

ASSESSMENT OF USER NEEDS OF PRIMARY BIODIVERSITY DATA: ANALYSIS, CONCERNS, AND CHALLENGES

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ANNEX: FREE-TEXT ANSWERS TO THE CNA-TG SURVEY

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SUMMARY

This is a comprehensive list of all answers collected from the CNA-TG survey which were allowed in free-text form, i.e. not pre-coded as multiple choice, tick-boxes or radio buttons. These have been arranged by question, then alphabetically. All six language-specific surveys have been merged together. The small number and letter code at the right of each answer corresponds to the respondent's automatic ID and language of the original survey.

NOTES

1. Answers in *italics* coming from the original Chinese, Spanish, French and Russian versions are translations into English by Burke Chih-Jen Ko (CN) and Arturo H. Ariño (ES, FR, RU).
2. Some discrete answers (i.e. "yes", "OK", tick, etc.) have been recoded into homogeneous bits.
3. Some typos or obvious mistakes have been summarily corrected for analysis and may not reflect the verbatim answer as recorded.
4. Some references have been reformatted for homogeneity.
5. As a rule, full literature references have not been translated from the ES, FR and RU versions except where noted (translated titles appearing in brackets by the original version).

QUESTIONS AND ANSWERS

02 - Describe your organisation (please tick one or several options): Other (please specify)

- Academic / Educational institution and Research Institution (789429095, EN)
- *Administration* (799881227, FR)
- *Administration* (800740194, FR)
- affiliated to an university but the described project is rather a private interest (804546883, EN)
- As a museum we are involved in research, education and a storage of curated collections (798217342, EN)
- as described in URL (802988610, EN)
- *Association according to the Private Rights, 1901 Law, in agreement by the French Ministry of Ecology (MEEDDAT)* (807586134, FR)
- *Botanical Garden* (808740058, ES)

- combination of res. inst., priv. co., ind. res. (811499161, EN)
- *Charity* (798229727, ES)
- *Environment Ministry* (805722057, FR)
- *Environmental consulting* (789549965, ES)
- GBIF participant node - Compiler and provider of access to primary biodiversity data from researchers and others (795908935, EN)
- Governemnt funded initiative but run by a private company (799738140, EN)
- Government (788900448, EN)
- Government - Environment and Natural Resources Ministry (804059449, EN)
- government agency (803653262, EN)
- Government Agency (803718291, EN)
- *Government organisation, Research, Education* (803021899, CN)
- *Government organism - national level* (797452933, CN)
- *Government organism - national level* (809786057, CN)
- *Government* (807594113, ES)
- *Government office* (805815942, FR)
- *Government organism for technological support and research on water issues* (794025942, ES)
- *Herbarium* (792042500, ES)
- Home (804217067, EN)
- *I'm doing free-lance research at Zihuatanejo* (789477115, ES)
- Independent Non-profit Professional Researcher (789395657, EN)
- International Association (801852267, EN)
- Municipal Institution (789779878, EN)
- municipal museum (788184331, EN)
- Museum (788123063, EN)
- Museum (788132571, EN)
- Museum (788714731, EN)
- *Museum* (796606100, ES)
- Museum (796675742, EN)
- Museum (804165147, EN)
- Museum (805754411, EN)
- Museum (academic, research, public etc) (797535243, EN)
- MycoKey (796787627, EN)
- Natural History Museum (789954185, EN)
- Natural History Museum (804719000, EN)
- *Navarra Government* (807866572, ES)
- NOTE: it appears that you cannot tick more than one option (788287211, EN)
- *Private University* (806709265, ES)
- Provincial Government (791340836, EN)
- *Publicly owned company* (796830098, ES)
- *Publicly owned company* (807458247, ES)
- *Publicly owned company, Canary Islands Government* (797505184, ES)
- *Publicly owned company, Navarra Government, developing the Biodiversity Database Facility* (807602390, ES)

- Publicly owned treatment facility for wastewater treatment (804362879, EN)
- Regional development and consulting (798198867, EN)
- *Research center* (797469049, ES)
- *Research center* (809152291, ES)
- *Research center* (809202854, ES)
- *Scientific research institution (impossible to tick several options)* (801621840, FR)
- State agency (801835961, EN)
- State Government (788351066, EN)
- State Government (797508056, EN)
- State government regulatory agency (788044732, EN)
- State/Regional/Provincial Government Agency (788533978, EN)
- The Dutch audio-visual archive (799296704, EN)
- *Tourist guide* (793854941, ES)
- *unemployed* (811539726, CN)
- University of Alaska Museum (788368913, EN)
- University of Manitoba (810746463, EN)
- we are also educational and a government agency (804726894, EN)
- *Why does it only allow for one answer here?* (800475236, CN)

03 - Main interest/business of your organisation (please tick one or several options): Other (please specify)

- *Advanced Research Center, IPN* (799429870, ES)
- *Agricultural and environmental education* (804192012, FR)
- Agriculture (788745446, EN)
- *Agriculture and Livestock* (810688992, ES)
- Agrotechnology, Horticulture (Floriculture) (809896381, EN)
- *All domains* (788247905, ES)
- *Application of environmental regulations* (800740194, FR)
- archiving and distribution (799296704, EN)
- *Herbarium* (798873040, FR)
- Biogeography (802988610, EN)
- Biogeography (804416321, EN)
- Bioinformatics (790300687, EN)
- *Bioinformatics, Genomics* (808806978, ES)
- *Biological invasions* (808371767, FR)
- *commonwealth education* (814166993, CN)
- *Conservation and Use of Biodiversity* (791010796, ES)
- *Conservation of flora and habitats, technical and scientific assistance to Government offices and services* (807586134, FR)
- Coordinate sound management of natural resources and the environment including all issues in biodiversity (805812632, EN)
- data and information management (789544287, EN)
- Data management and information production (805792124, EN)

- *Development Assistance* (809128154, ES)
- *Development Research* (804364635, FR)
- *Diffusion of knowledge of Botany of the French-speaking areas* (801050833, FR)
- Digitisation, biodiversity informatics (788714731, EN)
- *Earth Sciences, Natural Resources, Environment* (793172196, ES)
- Ecological monitoring and communication, citizen engagement in monitoring (788052928, EN)
- Ecology (789837375, EN)
- Ecology / Biogeography (796220458, EN)
- *Ecosystem Services Evaluation* (810126145, ES)
- Education (788118223, EN)
- education and research (788287211, EN)
- *Education and Research* (807653948, ES)
- *Education and Training* (788856304, ES)
- *Enterprise Social Responsibility* (793076383, ES)
- *Environmental and Natural Resource protection* (791081861, ES)
- *Environmental Impact associated to civil water works* (794025942, ES)
- environmental monitoring (789952438, EN)
- environmental policy and legislation (803653262, EN)
- *Evolution* (809899052, ES)
- *Experimental Science* (807148886, ES)
- Facilitate the exchange of invasive species data and information (789289044, EN)
- *Flora collection of Nuevo León and Coahuila* (792042500, ES)
- *Geological Science* (797394842, CN)
- government (790334068, EN)
- Herbarium/Natural History Museum Curation (805077604, EN)
- *Higher Education* (810102198, ES)
- *Historical Heritage Research and Conservation* (797414523, ES)
- international treaty to secure action to prevent the spread and introduction of pests of plants and plant products, and to promote appropriate measures for their control. (789960493, EN)
- Invasion Biology (788246267, EN)
- Invasive Species studies (788459249, EN)
- Marine biodiversity and macroecology (803995773, EN)
- *Marine Science* (805115270, ES)
- *Mosquito research and control, especially invasive species such as Aedes albopictus* (804145326, ES)
- multi-thematic environmental research (796160448, EN)
- MycoKey (796787627, EN)
- National Collections care and accessibility (797535243, EN)
- natural history collections (797909081, EN)
- Natural History Museum (808386557, EN)
- natural history museum with large collections (788950260, EN)
- natural history, local history and anthropology (788184331, EN)
- *none* (811539726, CN)

- Our program is mostly concerned with natural resources documentation and mgmt, but the larger department is also concerned with forestry and public use of natural resources (797508056, EN)
- *Outreach* (794551257, ES)
- Palaeontology (805297035, EN)
- phylogenetic/evolutionary research (788670827, EN)
- Planning a national digitising centre of the natural collections (798198867, EN)
- plant systematics (810746463, EN)
- *Projctcs' incidence on Natural Resources* (789549965, ES)
- Providing access for all to primary biodiversity data from researchers and others (795908935, EN)
- *Register for catalog build* (793071056, ES)
- Renewable Energy (804419219, EN)
- *Research, Protection and Conservation of paleontological, archaeological and historical heritage* (791092537, ES)
- *Scientific heritage management (Natural History collections)* (802155962, FR)
- Software development (797388642, EN)
- *Studies on scientific and technological policy, databasing, information services* (814930803, CN)
- *Sustainable design and construction* (796986487, ES)
- Systematics (788156164, EN)
- *Systematics* (788942982, ES)
- *Tasonomy and Systematics* (810014479, FR)
- taxonomic analysis and ecological community assesement in response to impacts (804362879, EN)
- Teaching (791208480, EN)
- The University of Manitoba is a research intensive and educational institution. (810715089, EN)
- *To promote enviromental care and sustainable development* (794211825, ES)
- water quality (804138441, EN)
- We also deal extensively with biodiversity (798217342, EN)
- *Web development* (807602390, ES)
- Weed seed (families) distribution in specific area (804548781, EN)

04 - List the ways in which you use Primary Biodiversity Data (please choose one or several options): Other (please specify)

- *All* (788247905, ES)
- All of the above - in principle it is possible to use OBIS data for any of the uses listed above (789544287, EN)
- *Animal live-in* (808963397, ES)
- as a collections tool for searching for species occurrences in multiple museums for potential loan. (788439959, EN)
- as a taxonomist I am always generating PBD (804726894, EN)
- At the global scale, relatively little Primary Biodiversity Data on invasive species is used/produced. Most of what is available is secondary, derived information. (789289044, EN)
- Biodiversity assessment and monitoring (788527372, EN)
- *Biological Resources Management and Planning* (797732559, ES)
- *Biology and ecology of invasive exotic species* (808371767, FR)
- Biosystematics (804115379, EN)

- *Database integration* (804072107, CN)
- Database management and analysis (805792124, EN)
- *Endogenous agricultural pests management* (790472947, ES)
- *entomological physiology* (811771117, CN)
- environmental policy planning (803653262, EN)
- *Ethnobotanical reevaluation of local common knowledge* (788686273, FR)
- Examining the completeness of taxonomic inventories (803995773, EN)
- *Exsitu conservation of germoplasm (seeds and spores)* (797469049, ES)
- *Flora Applications: Medicinal Plants and Soil Seed Bank research* (806553667, ES)
- Food Security (future availability of food), Sustainable utilization of genetic resources (790004352, EN)
- Here I am answering as being a researcher - in addition to being the DanBlf node manager I do private research on solitary bees. (795908935, EN)
- Identification of weeds, pathogens, races, crop varieties (797175250, EN)
- interpretation of palaeontological data for palaeoclimate research (797909081, EN)
- *long-term monitoring studies* (803296708, CN)
- *Mitigation measures monitoring* (794025942, ES)
- Pest Identification (788385798, EN)
- *Public exposure of ecological damage* (794211825, ES)
- Regulatory: Weed and Pest Control Acts (790122286, EN)
- species distribution (799331109, EN)
- *The Microorganisms Collection holds cultures for research and academic purposes on Biotechnology and Health* (799429870, ES)
- We collate and display biodiversity data (799738140, EN)

05 - Provide example documentation (reports/papers/presentations) where Primary Biodiversity Data has been used by you/your group? NOTE: Please provide literature references, URLs of web sites, news items. Please also email us a copy of the report/paper etc. at contentneeds@gbif.org

- "Cartography of species of special conservation concern in Catalonia: applications of habitat modelling" Contracted by the Catalan Autonomous Government (797480134, ES)
- "Important bird areas for sea birds in Spain (LIFE04NAT/ES/000049): Data base management and development of predictive distribution models based on species-environmental relationships" Contract by SEO-Birdlife (797480134, ES)
- (Author), L. S. 1996. Status of terrestrial insects, pages 735-741. In Sierra Nevada Ecosystem Project, Final Report to Congress, Status of the Sierra Nevada, Volume II, Assessments and Scientific Basis for Management Options. Wildland Resources Center Report 37. (807432048, EN)
- (Authors), 2009. *Mapa Acarológico de España. [Acarological map of Spain]. Autor coordinador. Elsevier 2009; ISBN: 978-84-691-73336.* (806753199, ES)
- (Authors), 2009. Mite species and allergen concentrations in Portugal – Preliminary results. Rev Port Imunoalergologia 2006; 14(3): 237-40. (806753199, ES)
- "Are species distribution models useful to produce national atlas maps at higher resolutions?". X Lusitanian-Spanish Congress of Herpetology. Coimbra (Portugal), October 2008. (797480134, ES)
- "Herpetofauna field notebook database for study and share phenological and corological data", 14th European Congress of Herpetology. Porto (Portugal), September 2007. (797480134, ES)
- "Potential effects of the invasive *Discoglossus pictus* on native species", IX Lusitanian-Spanish Congress of Herpetology. Donostia, October 2006. (797480134, ES)

- 1, 2, 3ième rapport national de mise en oeuvre de la CDB au Mali, voir secretariat@cbd.int (802818378, FR)
- 1st to 4th National Report to the CBD (803718291, EN)
- *A Ecological Investigation on Limnoperna fortunei at Shih-Men Reservoir.* (803222165, CN)
- *A Introduction to the Field Studies Council and Its Environmental Education.* (813358480, CN)
- *A review of the genus Botanophila Liroy (Diptera Anthomyiidae) from China* (804810268, CN)
- *A Taxonomic Revision of Neanotis(Rubiaceae) in Taiwan. (For querying species number as well as taxonomic status in the world.)* (813427630, CN)
- *A Taxonomic Study on Cotoneaster in Taiwan (used for querying species number in the world)* (813427630, CN)
- Estrada-Torres, D. Wrigley de Basanta, E. Conde & C. Lado (2009). Myxomycetes associated with xerophyllous scrubland of the Tehuacán-Cuicatlán Valley Biosphere Reserve, Mexico. *Fungal Diversity* 36:17-56. (807636396, ES)
- A.Akhtar and M.I.Zuberi 2008 Invasive Alien Species in Northern Bangladesh:Identification, Inventory and Impacts. Accepted *Academic Journals <<http://www.academicjournals.org/ajb>>* (804862322, EN)
- Acorn size redux. *Journ. Biogeography* 19: 573-579. (788118223, EN)
- *Acta Botanica Malacitana* (808452220, ES)
- *Acta Entomológica Chilena* (790470866, ES)
- ACUARAP (788855019, ES)
- Agrawal, A. A., and M. Fishbein. 2008. Phylogenetic escalation and decline of plant defense strategies. *Proceedings of the National Academy of Sciences, USA* 105:10057-10060 (789013767, EN)
- Agrawal, A. A., J.-P. Salminen, and M. Fishbein. 2009. Phylogenetic trends in phenolic metabolism of milkweeds (Asclepias): evidence for escalation. *Evolution* 63:663-673 (789013767, EN)
- Agrawal, A. A., M. Fishbein, R. Jetter, J.-P. Salminen, J. B. Goldstein, A. E. Freitag, and J. P. Sparks. 2009. Phylogenetic ecology of leaf surface traits in the milkweeds (Asclepias spp.): chemistry, ecophysiology, and insect behavior. *New Phytologist* (in press). (789013767, EN)
- Aguado, M.T. & San Martín, G. 2009. Phylogeny of Syllidae (Annelida, Phyllococida) based on morphological data. *Zoologica Scripta.* (810897244, ES)
- Águeda B, Agerer R, De Miguel AM, Parlade J. 2008. Quercirhiza quadratum + Quercus ilex L. subsp. ballota (Scop.) Desf. *Samp. Descr Ectomyc* 11/12 (806724397, ES)
- Águeda, B.; Parlade, J.; DE MIGUEL, A.M.; Martínez-Peña, F. Characterization and identification of field ectomycorrhizae of Boletus edulis and Cistus ladanifer *Mycologia* 89 (806724397, ES)
- *Aguilar-Aguilar, R. y G. Salgado-Maldonado. 2006. Diversidad de helmintos parásitos de peces dulceacuicolas en dos cuencas hidrológicas de México: los helmintos y la hipótesis del México betadiverso. [Diversity of parasitical helminths of freshwater fish in two Mexican watersheds: Helminths and the beta-diverse Mexico hypothesis]. Interciencia 31: 484-490.* (804705847, ES)
- Aguilar-Aguilar, R., G. Salgado-Maldonado, R. Contreras-Medina, and A. Martínez-Aquino. 2008. Richness and endemism of helminth parasites of freshwater fishes in Mexico. *Biological Journal of the Linnean Society* 94: 435-444. (804705847, ES)
- Aguilar-Aguilar, R., R. Contreras-Medina and G. Salgado-Maldonado. 2003. Parsimony analysis of endemism (PAE) of Mexican hydrological basins based on helminth parasites of freshwater fishes. *Journal of Biogeography* 30: 1861-1872. (804705847, ES)
- Aguilar-Rosas, L.E., R. Aguilar Rosas, L.E. Mateo Cid, A. C. Mendoza. 2002. Marine algae from the Gulf of Santa Clara, Sonora, México. *Marinas del Golfo de Santa Clara, Sonora, México. Otoño Invierno Hidrobiología* 477: 2311-238. (791200661, ES)
- Aguilar-Rosas, L.E., R. Aguilar-Rosas, A. C. Mendoza-González y L.E. Mateo-Cid. 2000. Marine Algae from Northeast Coast of Baja California, México. *Botánica Marina* 43:127-139. (791200661, ES)

- Aguilar-Rosas, L.E., R. Aguilar-Rosas, F.F. Pedroche, A.C. Mendoza-González, L.E. Mateo Cid. 2008. El género *Colpomenia* (Scytociphonaceae, Phaeophycota) en las costas Mexicanas. Pp. 1-27. In: A. Senties y K.M. Dreckmann (Eds.) Monografías Ficológicas Vol. 3. UAM Iztapalapa, Mexico y Universidad Autónoma de Baja California. (791200661, ES)
- Aguilar-Rosas, L.E., R. Aguilar-Rosas, H. Hawai, S. Uwai y E. Valenzuela-Espinoza. 2007. New record of *Sargassum flicinum* Harvey (Fucales, Phaeophyceae) in the Pacific coast of Mexico. *Algae* 22(1): 17-21. (791200661, ES)
- Aguilar-Rosas, R. y L.E. Aguilar-Rosas. 2003. El genero *Porphyra* (Bangiales, Rhodophyta) en la costa Pacifico de México. III. *Porphyra gardnerii* (G.M. Smith et Hollenberg) Hawkes. *Hidrobiológica* 13(4). (791200661, ES)
- Alford, M.H. 2001. The vascular flora of Amite County, Mississippi. *Sida* 19(3): 645-699. (788371183, EN)
- Alford, M.H. 2003. Claves para los generos de Flacourtiaceae de Peru y del Nuevo Mundo. *Arnaldoa* 10(2): 19-38. (788371183, EN)
- Alford, M.H. 2003. Noteworthy collections--Mississippi. *Castanea* 68(1): 93. (788371183, EN)
- Alford, M.H. 2006. A new species of *Hasseltia* from Costa Rica and Panama (Salicaceae). *Brittonia* 58(3): 277-284. (788371183, EN)
- Alford, M.H. 2006. A taxonomic revision of the Andean genus *Pineda* (Salicaceae). *Kew Bulletin* 61: 205-214. (788371183, EN)
- Alford, M.H. 2006. Gerrardinaceae: a new family of African flowering plants unresolved among Brassicales, Huerteales, Malvales, and Sapindales. *Taxon* 55(4): 959-964. (788371183, EN)
- Alford, M.H. 2006. Nomenclatural innovations in neotropical Salicaceae. *Novon* 16(3): 293-298. (788371183, EN)
- Alford, M.H. 2008. Revision of *Neosprucea* (Salicaceae). *Systematic Botany Monographs* 85: 1-62. (788371183, EN)
- Alford, M.H., C. Grandez, and R. Vasquez. 2005 ("2004"). Una nueva especie de *Neosprucea* (Salicaceae/Flacourtiaceae) de Peru y Colombia. *Arnaldoa* 11(2): 37-42. (788371183, EN)
- Algar, A. C., H. M. Kharouba, E. R. Young, and J. T. Kerr. 2009. Predicting the future of species diversity: macroecological theory, climate change, and direct tests of alternate forecasting methods. *Ecography*. (803743468, EN)
- Alucema V., A. P. A.; Díaz-Palma, P. A.; Hayashida, G. & Maidana, N. I. 2009. Development and standardization of a microalgae test for determining deaths by drowning. *Forensic Science International* 184: 37-41 (804325205, ES)
- Álvarez-Romero, J., R. A. Medellín, H. Gómez de Silva, A. Oliveras de Ita y O. Sánchez. 2008. Animales exóticos en México: una amenaza para la biodiversidad. CONABIO-UNAM-SEMARNAT, México, D.F. 502 + 16 pp. (789918245, EN)
- Allen G. Collins Zoologist, NMFS, NOAA National Systematics Lab * Phone: 202-633-0645 * Fax: 202-357-2986 * E-mail: collinsa@si.edu website * Mailing Address: Smithsonian Institution PO Box 37012, MRC 163 Washington, DC 20013-7012 * Courier Delivery Address: Smithsonian Institution National Museum of Natural History 10th and Constitution Ave, NW Washington, DC 20560-0163 bar Responsibilities: Invertebrate Zoologist with Curatorial Responsibilities for Medusozoa (Cnidaria) and Hexactinellida (Porifera) Education: University of California at Berkeley, Department of Integrative Biology, Major Professor: James W. Valentine, Degree and Date: PhD, 1999 Amherst College, Majors: Mathematics and Economics, Degree and Date: BA, 1987 Research Interests: My research focuses on the evolutionary history of relatively simple animals, cnidarians (jellyfishes, corals, etc.), placozoans (aka Trichoplax), and sponges. I generate and use evolutionary trees, known as phylogenetic hypotheses, to better understand how the amazing biodiversity of these groups -- in terms of morphology, life history, and genetics -- has come to be. Professional Activities: Editorial Board Member of Systematic Biology PI (with 8 others) on NSF Assembling the tree of life program - An integrative approach to investigating cnidarian phylogeny, 2005-2009 Recent Publications: Dohrmann, M., Collins, A.G. and Woerheide, G. 2009. New insights into the phylogeny of glass sponges (Porifera, Hexactinellida): Monophyly of Lyssacinosida and Euplectellinae, and the

- phylogenetic position of Euretidae, *Molecular phylogenetics and evolution*, 52:257-262 (804123890, EN)
- An Annotated List Of Deepwater Fishes From Off The New England Region, With New Area Records. 2003. Moore et al. *North Eastern Naturalist*. (791208480, EN)
 - An Ecological Analysis of Conservation Priorities in the Apache Highlands Ecoregion (788283142, ES)
 - an unrealistic request. Too many to list explicitly. (796392897, EN)
 - *Anaciaeschna isocoela* (Müller, 1767) en el ámbito iberobaleár (Odonata: Aeshnidae) *Boletín de la Sociedad Entomológica Aragonesa* 44: in press (796600979, ES)
 - *Análisis de Discrepancias de Anfíbios de la Sierra Madre Oriental [Analysis of amphibian discrepancies in the Sierra Madre Oriental]* (790646093, ES)
 - *Análisis ecológico de las prioridades de conservación en la eco-región del desierto sonorense [Ecological analysis of conservation priorities in the Sonoran desert eco-region]* (788283142, ES)
 - Angel R. Moreira González, Miguel Gómez-Batista, Ana M. Suárez Alfonso, Angel R. León Pérez, María E. Castellanos González (2003): Variación de la composición y abundancia de Macroalgas en la Bahía de Cienfuegos, Cuba. *Rev. Invest. Mar.* 24(2):83-94, 2003 (788253335, ES)
 - Angel R. Moreira, Maickel Armenteros, Miguel Gómez-Batista, Angel R. León, Rubén Cabrera, María E. Castellanos, Alain Muñoz, Ana M. Suárez (2006): Variation of macroalgae biomass in Cienfuegos bay, Cuba. *Rev. Invest. Mar.* 27(1):3-12, 2006. (788253335, ES)
 - *Annual black list of species* (802534229, ES)
 - *Annual list of endangered species* (802534229, ES)
 - *Annual reports on the seed collection by agreement with the Conselleria de Medi Ambient, Aigua, Urbanisme i Habitatge* (797469049, ES)
 - Anta, A., Soulier-Perkins A., Ouvrard D., Guilbert E. & Bourgoïn Th. 2009. Hemiptera databases in MNHN, Paris. E-biosphere 2009. Species 2000 & ITIS booth. London, UK, 1-5 June 2009. (800587696, FR)
 - APEC -ATCWG Workshop - Capacity Building for Developing and Implementation of Risk Management Systems on Genetic Resources (793276439, EN)
 - Aponte, G. A., N. I. Maidana & H. Lange-Bertalot. 2005. On the taxonomic identity of *Diadesmis confervaceoides* Lange-Bert. & U. Rumrich (Bacillariophyceae). *Cryptogamie, Algologie* 26(4): 337-342 (804325205, ES)
 - *Aquatic species correlation in the river Verder, Oaxaca, and environmental flow requirements* (794025942, ES)
 - *Aquatic studies* (791128694, ES)
 - Araguas, R.M.; Roldan, M.I.; García-Marín, J.L.; Pla, C. "Management of gene diversity in the endemic killifish *Aphanius iberus*: revising Operational Conservation Units.." *Ecology of Freshwater Fish* 16 (2007): 257-266. (810102198, ES)
 - Araújo, M.B., J.M. Lobo & J.C. Moreno (2007). The performance of Iberian protected areas to conserve terrestrial biodiversity. *Conserv. Biol.* 21(6): 1423-1432. (799744522, ES)
 - Arctic species of the subgenus *Symplecta sensu stricto* (Diptera: Limoniidae). J. Starý & F. Brodo, 2009. *Ent. Soc Canada*: 141:1-30 (788162326, EN)
 - Arellano, L., J. L. León-Cortés and G. Halfpeter. 2008. Response of dung beetle assemblages to landscape structure in remnant natural and modified habitats in southern Mexico. *Insect Conservation and Diversity*, 1: 253-262 (810201330, ES)
 - Arizaga J, Hernández M, Rivas J, Miranda R. 2009. Biometrics of Iberian Dippers *Cinclus cinclus*: an exploration to understand causes explaining differences among populations. *Ardea* 97(1): 23–30. (806550563, ES)
 - *Article in preparation on the effects of climate change on the endemic orchid *Laelia speciosa** (790384501, ES)
 - Article in press: Essl, F., et al. Distribution patterns, range size and niche breadth of Austrian endemic plants. *Biol. Conserv.* (2009), doi:10.1016/J.Biocon.2009.05.027 (809149879, EN)

- article.pubs.nrc-cnrc.gc.ca/RPAS/rpv?hm=Hlnit&calyLang=eng&journal=cjb&volume=84&afpf=b06-102.pdf (810746463, EN)
- Articles in journals such CAZA and International Zoo News (789102013, EN)
- Articles in websites such as NatureNorth and CAZA (Canadian Zoo and Aquarium Association). (789102013, EN)
- *Articles with publications of new species* (790031454, ES)
- As Borboletas de Portugal (807271476, ES)
- *as data source of supplement to herbarium data* (813424731, CN)
- Atkin, G. & Bilgin, C.C. (2009) Avian community patterns in the Lesser Caucasus Ecoregion (northeastern Turkey) (submitted) (807603503, EN)
- *Atlas de aves invernantes [Atlas of wintering birds]* (806487291, ES)
- *Atlas de las aves reproductoras de España [Atlas of reproductive birds of Spain]* (808452220, ES)
- *Atlas de los mamíferos terrestres de España [Atlas of terrestrial mammals in Spain]* (808452220, ES)
- *Atlas del Ministerio de Medioambiente, Mamíferos, Anfibios, Aves, Reptiles, Flora vascular, peces [Atlas by the Ministry of Environment: Mammals, Herps, Vascular plants, Fish]* (806487291, ES)
- Atlas of the vegetation of Madagascar = Atlas de la vegetation de Madagascar / [cartographer, Justin Moat ; editors, Justin Moat and Paul Smith ; authors, Susana Baena, Henk Beentje ... [et al.]]. Kew : Royal Botanic Gardens, Kew, 2007. (808459923, EN)
- *Atlas Y Libro Rojo De Los Anfibios Y Reptiles De España [Atlas and Red Book of Amphibia and Herps from Spain]* (808452220, ES)
- Attié M., Th. Bourgoïn, Veslot J. & Ad. Soulier-Perkins. 2008. Patterns of trophic relationships between planthoppers (Hemiptera: Fulgoromorpha) and their host plants on the Mascarene Islands. J. Nat. History,42(23): 1591-1638. (800587696, FR)
- Avila_Pires, T.C.S., M.S. Hoogmoed & L.J. Vitt, 2007. Herpetofauna da Amazonia. In: Herpetologia no Brasil II (804376501, EN)
- Avila-Pires, T.C.S., 2005. Reptiles. In: T. HOLLOWEL & R.P REYNOLDS: Checklist of the terrestrial vertebrates of the Guiana Shield. – Bulletin of the Biological Society of Washington 13:22-40. (804376501, EN)
- Avila-Pires, T.C.S. 1995. Lizards of Brazilian Amazonia (Reptilia: Squamata). Zoologische Mededelingen Leiden 299: 1-706 (804376501, EN)
- Azevedo, Celso O ; Vaz-De-Mello, F. Z. ; Tavares, M T ; Brescovit, A ; Marco Jr, P De ; Furieri, K. ; Brown Jr, K S ; Freitas, André V L . Os invertebrados terrestres ameaçados de extinção no estado do Espírito Santo. In: Passamani, M; Fraga, C.N.. (Org.). Livro Vermelho das Espécies Ameaçadas da Fauna e Flora do Estado do Espírito Santo. Vitória: Ipema, 2007, v. , p. 105-119. (788526261, ES)
- Azqueta, A., Goñi, H. & Ibáñez, R. 2003. Guía ilustrada de la Flora de Ilundain, Valle de Aranguren (Navarra). (807624753, ES)
- B. Lin, C. M. Monreal, J. T. Tambong, C. B. Miguez and L. Carrasco-Medina. Phylogenetic analysis of methanotrophic communities in cover soils of an abandoned landfill. Canadian Journal of Microbiology (submitted) (789174777, EN)
- Baba, K., E. Macpherson, G.C.B. Poore, S.T. Ahyong, A. Bermúdez, P. Cabezas, C.W. Lin, M. Nizinski, C. Rodrigues & K. Schnabel. 2008. Catalogue of squat lobsters of the world (Crustacea: Decapoda: Anomura – families Chirostylidae, Galatheididae and Kiwaidae). Zootaxa. 1905: 1-220. ISBN-987-1-86977-289-5 (papel) ISBN 978-1-86977-290-1 (en línea) (805186352, ES)
- Babaç, M.T., Bilgin, C.C. & Usta, E. (1996) TURKHERB: Central Databases of Turkish Herbaria. XIII. National Biology Congress, 17-20 September 1996, Istanbul. (807603503, EN)
- *bait species* (800614907, CN)

- Baltazar, J.M. , Trierveiler-Pereira, L., Loguercio-Leite, C.A checklist of xylophilous basidiomycetes (Basidiomycota) in mangroves. *Mycotaxon.* , v.107, p.221 - 224, 2009. (804198863, ES)
- Bañares, Á., G. Blanca, J. Güemes, J.C. Moreno & S. Ortiz, eds. (2003). Atlas y Libro Rojo de la Flora Vasculare Amenazada de España. 1.067 pp. Dirección General de Conservación de la Naturaleza, Madrid. (799744522, ES)
- Bañares, Á., G. Blanca, J. Güemes, J.C. Moreno & S. Ortiz, eds. (2007). Atlas y Libro Rojo de la Flora Vasculare Amenazada de España. Adenda 2006. 92 pp. Dirección General para la Biodiversidad, Madrid. (799744522, ES)
- Baquero, E., Moraza, M.L., Jordana, R. A new species of Polydiscia (Acari, Prostigmata, Tanaupodidae) with reference to its host: a new species of Deuterostminthurus (Collembola, Symphypleona, Bourletiellidae). *Zootaxa*, 188: 1-16. (806267880, ES)
- Baquero, E., Rubio M., Moura I.N.S., Pieniazek N., Jordana R. Myosporidium merluccius n.g., n.sp. Infecting Muscle of Commercial Hake (Merluccius sp.) from Fisheries near Namibia. *Journal of Eukariotic Microbiology*, 52(6): 476-483. (806267880, ES)
- Baquero, E., Schulz, J., Moravvej, A. and Jordana, R. On identity and geographical distribution of Entomobrya handschini (Stach, 1922) (Collembola, Entomobryidae). *Abhandlungen und Berichte des Naturkundemuseums Görlitz*, 79(2): 257-269. (806267880, ES)
- Baquero, E., Snider, R., Jordana, R. A revision of the spring-tail genus Vesicephalus Richards (Collembola, Symphypleona, Smithurinae). *Systematic Entomology*, 31: 633-647. (806267880, ES)
- Barbera C, Bordehore C, Borg JA, Glemarec M, Grall J, Hall-Spencer JM, Lanfranco E, Lastra M, Moore PG, Mora J, Pita ME, Ramos-Espla AA, Rizzo M, Sanchez-Mata A, Seva A, Schembri PJ, Valle C (2003) Conservation and management of northeast Atlantic and Mediterranean maerl beds. *Aquatic Conservation, Marine and Freshwater Ecosystems* 13, 65-76 (802675589, EN)
- Barbosa, S.E., C.J. Belisário, R.C.M. Souza, A.S. Paula, P.M. Linardi, A.J. Romanha & L. Diotaiuti. 2006. Biogeography of Brazilian populations of Panstrongylus megistus (Hemiptera, Reduviidae, Triatominae) based on molecular marker and paleo-vegetational data. *Acta Tropica*, 99: 144–154. (804217067, EN)
- Barriga J. C., Jiménez-Valverde A., Morano E., Moreno A. G. & Melic A. 2006. Arañas de la Provincia de Ciudad Real (Araneae) (Castilla la Mancha, España). *Revista Ibérica de Aracnología*, 13:125 – 142. (796603939, ES)
- Beck, J. & Kitching, I.J. 2007. Estimating regional species richness of tropical insects from museum data: a comparison of a geography-based and sample-based methods. *Journal of Applied Ecology* 44: 672-681. (796675742, EN)
- Beck, J. Kitching, I.J. & Haxaire, J. 2007. The latitudinal distribution of sphingid species richness in continental Southeast Asia: what causes the biodiversity 'hot spot' in northern Thailand? *The Raffles Bulletin of Zoology* 55: 179-185. (796675742, EN)
- Beck, J., Kitching, I.J. & Linsenmair, K.E. 2006. Extending the study of range-abundance relations to tropical insects: sphingid moths in Southeast-Asia. *Evolutionary Ecology Research* 8: 677-690. (796675742, EN)
- Beekeeping in Western Canada (791340836, EN)
- Beiggi, S. and Piercey-Normore, M. D. 2007. Evolution of ITS ribosomal RNA secondary structures in fungal and algal symbionts of selected species of Cladonia sect. Cladonia (Cladoniaceae, Ascomycotina). *Journal of Molecular Evolution* 64:528-542. (810715089, EN)
- Beltrami ME, Blanco S, Ciutti F, Cappelletti C, Monauni C, Pozzi S, Rimet F, Ector L. 2008. Distribution and ecology of Didymosphenia geminata (Lyngbye) M. Schmidt (Bacillariophyta) in Trentino watercourses (northern Italy). *Cryptogamie Algol.* 29: 141-160 (804267043, ES)
- Bell, G, Lechowicz, M.J., and Waterway, M.J. 2000. Environmental heterogeneity and species diversity of forest sedges. *Journal of Ecology* 88: 67-87. (810057771, EN)
- Benetti, A.S., Santos, D.C., Scelzo, M.A. & Negreiros-Fransozo, M.L. 2008. "Spermatozoal ultrastructure in three species of the genus Uca Leach, 1814 (Crustacea, Brachyura, Ocypodidae)": *Micron*, 39:337-343. The Netherlands. ISI IF= 1.651 (2009). ISSN: 0968-4328 (804372510, ES)

- Bentos-Pereira, A, 2006. Proscopia Brunner von Wattenwyl and the real status of Taxiarchus Brunner von Wattenwy 1890 (Orthoptera, Eumastacoidea, Proscopidae). *Journal of Orthoptera Research*. 15(1):79-90 (804268975, EN)
- Bentos-Pereira, A, 2007. Genitalia femenina de Orienscopia Bentos-Pereira 2000 (Orthoptera, Proscopiidae): Histología y descripción morfológica. *Revista de Entomología* No. 6 México. (804268975, EN)
- Bentos-Pereira, A. 2003. Tetanorhynchini, tr. nov. (Orthoptera, Caelifera, Proscopiidae. *Journal of Orthoptera Research* 12(2):159-171. (804268975, EN)
- Bentos-Pereira, A. 2006 The tribe Proscopini tr. nov.(Orthoptera, Eumastacoidea, Proscopiidae. *Journal of Orthoptera Research* 15(2): 143-148. (804268975, EN)
- Bentos-Pereira, A. 2006. Three new genera of Proscopiidae. (Proscopiinae, Proscopini). *Journal of Orthoptera Research* 15(2): 117-141. (804268975, EN)
- Bentos-Pereira, A. 2007 El género Cephalocoema Serville. (Orthoptera, Eumastacoidea, Proscopiidae, Tetanorhynchini). *Neotropical Entomology* 36(3):402-423. (804268975, EN)
- Bermúdez, A., G.R. Navas & N.H. Campos. 2008. Populationsstruktur und genetische Isolierung von drei Springkrebs-Arten. Der Einfluss der ozeanographischen Merkmale und der geographischen Disntanz zwischen den Populationen entlang der karibischen Küste von Kolumbien. VDM Verlag, Saarbrücken. ISBN-10: 3-639-00856-1, ISBN-13: 9783639008562. 116 p (805186352, ES)
- Bermúdez, A., N. Cruz, G. R. Navas & N. H. Campos. 2005. "Nuevos registros de cangrejos del género Palicus (Philippi, 1838) (Crustacea: Decapoda: Brachyura: Palicidae) para el mar Caribe colombiano" *Boletín de Investigaciones Marinas y Costeras*. ISSN 0122-9761. 34: 71-86. *Boletín Investigaciones Marinas y Costeras*. 34: 71-86. (805186352, ES)
- Bermúdez, A., N. H. Campos y G. R. Navas. 2002. "Capítulo crustáceos" pag.101-122. En N. Ardila, G. R. Navas, y J. Reyes (Eds.) *Libro rojo de los invertebrados marinos de Colombia, INVEMAR*. Ministerio del Medio Ambiente. La serie Libros Rojos de Especies Amenazadas de Colombia. Bogotá, Colombia (805186352, ES)
- *Biodiversity divulgative materials* (807602390, ES)
- *Biodiversity Investigation of Wild Animal Protection Area in Tainan*. (803222165, CN)
- biodiversity of terrestrial arthropods on northern Canada (Churchill and area) (in progress) (798601169, EN)
- biodiversity of urban pollinators in the cities of Guelph, Cambridge, Kitchener, Waterloo (in progress) (798601169, EN)
- Biological Diversity in Lesotho (803312430, EN)
- *Biological inventory of the Tahuamnu* (788855019, ES)
- *Bird Guides for West Africa* (801885680, FR)
- Bjorholm, S., Svenning, J.-C., Skov, F. & Balslev, H. 2008. To what extent does Tobler's 1st law of geography apply to macroecology? A case study using American palms (Arecaceae). *BMC Ecology* 8:11. (796220458, EN)
- Blanco S, Álvarez I, Cejudo C 2008. A test on different aspects of diatom processing techniques. *J. Appl. Phycol.* 20: 445-450 (804267043, ES)
- Blanco S, Bécares E, Cauchie HM, Hoffmann L, Ector L. 2007. Comparison of biotic indices for water quality diagnosis in the Duero Basin (Spain) *Arch. Hydrobiol. Suppl. Large Rivers* 17: 267-286 (804267043, ES)
- Blanco S, Ector L 2009. Distribution, ecology and nuisance effects of the freshwater invasive diatom *Didymosphenia geminata* (Lyngbye) M. Schmidt: a literature review. *Nova Hedw.* 88: 347-422 (804267043, ES)
- Blanco S, Ector L, Huck V, Monnier O, Cauchie HM, Hoffmann L, Bécares E 2008. Diatom assemblages and water quality assessment in the Duero Basin (NW Spain). *Belg. J. Bot.* 141: 39-50 (804267043, ES)

- Blanco S, Fernández-Aláez M, Bécares E. 2008. Efficiency of top-down control depends on nutrient concentration in a Mediterranean shallow lake: A mesocosm study. *Mar. Freshwat. Res.* 59: 922-930 (804267043, ES)
- Blanco S, Romo R 2006. Ictiofauna del Lago de la Albufera de Valencia: evolución histórica y situación actual. *Bol. R. Soc. Esp. Hist. Nat. Secc. Biol.* 101: 45-56 (804267043, ES)
- Blanco S, Romo S, Fernández-Aláez M, Bécares E 2007. Response of epiphytic algae to nutrient loading and fish density in a shallow lake: a mesocosm experiment. *Hydrobiologia* 600: 65-76 (804267043, ES)
- Bojórquez-Tapia, L. A.; I. Azuara; E. Ezcurra and O. Flores-Villela. 1995. Identifying Conservation Priorities in Mexico through Geographical Information Systems and Modeling. *Ecological Applications*. 5(1):215-231. (790526619, ES)
- Book on endemic animal, fungus and plant species in Austria: Rabitsch, W. & Essl, F. (2009): *Endemiten - Kostbarkeiten in Österreichs Pflanzen- und Tierwelt*. Naturwissenschaftlicher Verein für Kärnten und Umweltbundesamt GmbH, Klagenfurt und Wien, 924 pp. summary:http://www.umweltbundesamt.at/en/umweltschutz/naturschutz/natur_aktuell/aktuell_2009/endemicspecies/ (809149879, EN)
- Boquete M, Iraola V, Fernández-Caldas E, Arenas Villarroel L, Carballada FJ, González de la Cuesta C, López-Rico MR, Núñez Orjales R, Parra A, Soto-Mera MT, Varela S, Vidal C, 2006. House Dust Mite Species and Allergen Levels in Galicia, Spain: a Cross-Sectional, Multicenter, Comparative Study. *J Invest Allergol Clin Immunol* 2006; 16: 169-76. (806753199, ES)
- Borchsenius, F. & Skov, F. 1999. Conservation status of the palms of Ecuador. *Acta Botanica Venezuelana* 22: 221-236. (798262770, EN)
- Borchsenius, F., Borgtoft Pedersen, H., and Balslev, H. 1998. Manual to the palms of Ecuador. AAU Reports 37, Systematic Botany, University of Aarhus (217 pp.). (798262770, EN)
- Borchsenius, F., Moraes, M. 2006. Diversidad y usos de palmeras andinas (Arecaceae). In Moraes, M., Øllgaard, B., Kvist, L.P., Borchsenius, F., Balslev, H. (red.), *Botánica Económica de los Andes Centrales*:412-433. (798262770, EN)
- Botes, A., Krell, F.-T., Scholtz, C.H., Davis, A.L.V., Stals, R., Van Rensburg, B.J., Le Roux, P. & McGeoch, M.A. 2001. [CD-ROM] Key to the Dung Beetles in Tembe Elephant Park (Coleoptera: Scarabaeidae) of Sand Forest and Mixed Woodland. University of Pretoria, Pretoria, South Africa. (788745446, EN)
- Bown, P. R., Lees, J. A. & Young, J. R. 2004. Calcareous nannoplankton evolution and diversity through time. In: *Coccolithophores - From molecular processes to global impact* (edited by Thierstein, H. R. & Young, J. R.). Springer. (797909081, EN)
- Brassicaceae of Canada - http://www.cbif.gc.ca/spp_pages/brass/index_e.php (810014479, FR)
- Broerse, A. T. C., Tyrell, T., Young, J. R., Poulton, A. J., Merico, J. & Balch, W. M. 2003. The cause of bright waters in the Bering Sea in winter. *Continental Shelf Research* 23, 1579–1596. (797909081, EN)
- Brummitt N., Bachman S.P. and Moat J (2008) AS WE SEE IT: Applications of the IUCN Red List: towards a global barometer for plant diversity. *Endanger Species Research* Vol 6. 2008 127-135 (810034473, EN)
- Bruneau, A., M. Mercure, G. P. Lewis & P. S. Herendeen. 2008. Phylogenetic patterns and diversification in caesalpinoid legumes. *Botany* 86: 697-718. (801091995, FR)
- Bruneau, A., S. Joly, J. R. Starr et J.-N. Drouin. 2005. Molecular markers indicate that the narrow Québec endemics, *Rosa rousseauiorum* and *R. williamsii*, are synonymous with the widespread *R. blanda*. *Journal Canadien de Botanique* 83: 366-398. (801091995, FR)
- Burtsev I.A., 1967. *Вителлогенез в ооцитах гибрида белуги со стерлядью (Huso huso L. x Acipenser ruthenus L.). [Vitellogenesis in the oocytes of the hybrid of white sturgeon with the sterlet (Huso huso L. x Acipenser ruthenus L.).] Доклады АН СССР, т.172, № 2, стр.464-467.* (802155271, RU)
- Burtsev I.A., 1969. *Описание изобретения к авторскому свидетельству 244793 "Способ получения икры от самок рыб". [Description of invention to certificate of authorship 244793 "the method of obtaining the roe from the females of fishes".] ЦНИИПИ Комитета по делам изобр. и откp. при Сов.Мин.СССР.* (802155271, RU)

- Burtsev I.A., 1969. Получение потомства от межродового гибрида белуги со стерлядью. В кн. "Генетика, селекция и гибридизация рыб" [Obtaining offspring from the intergeneric hybrid of white sturgeon with the sterlet. In: "Genetics, selection and the hybridization of fishes"], "Наука", М., стр.232-242. (802155271, RU)
- Burtsev I.A., 1983. Гибридизация и селекция осетровых рыб при полноцикловом разведении и одомашнивании. В кн. "Биологические основы рыбоводства: проблемы генетики и селекции", [Hybridization and selection of sturgeon fishes during (...) breeding and domestication. In: "The biological bases of the fish-breeding: the problem of genetics and selection"], "Наука", Л-д, стр.102-112. (802155271, RU)
- Burtsev I.A., 1997a. Bester in aquaculture. In: Birstein V.J.et al. (eds.), "Sturgeon Stocks and Caviar Trade Worksp". IUCN, Gland, Switzeland and Cambridge, UK, pp.35-43. (802155271, RU)
- Burtsev I.A., A.I. Nikolayev, E. Krylov, O.P. Filippova, A.S. Safronov, 2002. Первые породы осетровых рыб, созданные на основе межродового гибрида белуги со стерлядью – бестера. В кн. Аквакультура начала XXI века: истоки, состояние, стратегия развития. [First species of sturgeon fish, created on the basis of the intergeneric hybrid of white sturgeon with the sterlet. In: Aquaculture at the beginning of the XXI century: sources, state, development strategy.] Изд. ВНИРО, М., стр. 146-150. (802155271, RU)
- Burtsev I.A., Gershanovich A.D., 1976. Об акклиматизации веслоноса в СССР. [On the acclimation of (...) in the USSR]. Рыбн. х-во, №10, стр.13-16. (802155271, RU)
- Burtsev I.A., Serebryakov E.V., 1980. Оценка производителей бестера (гибрида белуги со стерлядью) по цитологическим показателям и жизнеспособности потомства. В кн. "Кариологическая изменчивость, мутагенез и гиногенез у рыб. [Estimation of the production of (...) (hybrid of white sturgeon with the sterlet) according to the cytological indices and the viability of offspring. In: "Karyological changeability, mutagenesis and (...) in fishes.] Изд. Инст. цитол. АН СССР, Л-д, стр.60-69. (802155271, RU)
- Burtsev, I.A., 2008. Towards the definition of optimal size-weight standards of hatchery-reared sturgeon fry for restoration. In book: Biology, Conservation and Sustainable Development of Sturgeons. Series: Fish & Fisheries Series , Vol. 29. Carmona, R.; Domezain, A.; García-Gallego, M.; Hernando, J.A.; Rodríguez, F.; Ruiz-Rejón, M. (Eds.) , XVIII, p. ... (802155271, RU)
- Butterflies of Canada - http://www.cbif.gc.ca/spp_pages/butterflies/index_e.php (810014479, FR)
- Lado & A. Ronikier (2008). Nivicolous myxomycetes from the Pyrenees: notes on taxonomy and species diversity. Part 1. Physarales and Trichiales. Nova Hedwigia 87(3-4): 337-360. (807636396, ES)
- Lado & D. Wrigley de Basanta (2008). A Review of Neotropical Myxomycetes (1828-2008). Anales Jardín Botánico de Madrid 65(2): 211-254. (807636396, ES)
- Lado & F. Pando (1997). Flora Mycologica Iberica, vol. 2. Myxomycetes, I. Ceratiomyxales, Echinosteliales, Liceales, Trichiales. J. Cramer & CSIC. Stuttgart. (807636396, ES)
- C. Lado (2008). Eumycetozoa.com: nomenclatural Database of Eumycetozoa (Myxomycota) (Oct 2007 version). In Species 2000 & ITIS Catalogue of Life: 2008 Annual Checklist (Bisby FA, Roskov YR, Orrell TM, Nicolson D, Paglinawan LE, Bailly N, Kirk, PM, Bourgoin T van Hertum J, eds). CD-ROM; Species 2000: Reading, U.K. (807636396, ES)
- C. Lado, A. Estrada & S. L. Stephenson (2007). Myxomycetes collected in the first phase of a north-south transect of Chile. Fungal Diversity 25: 81-101. (807636396, ES)
- Cairns, Sara. 2009. 2008 Isotria medeoloides (small whorled pogonia) Recovery Activities in New Hampshire. Prepared by the NH Natural Heritage Bureau for the U.S. Fish & Wildlife Service, Hadley, MA. (801835961, EN)
- Calvo M, Templado J, Oliverio M., Machordom A (2009). Hidden Mediterranean biodiversity: molecular evidence for a cryptic species complex within the reef building vermetid gastropod Dendropoma petraeum (Mollusca: Caenogastropoda). Biological Journal Of The Linnean Society, vol. 96; p. 898-912, ISSN: 0024-4066 (804220564, EN)
- Calvo, L.; Cortey, M.; García-Marín, J.L.; García-Gil, L.J. "Polygenic analysis of ammonia oxidizing bacteria strains using 16S rDNA, amoA, and amoB genes." International Microbiology 8 (2005): 103-110. (810102198, ES)

- Campbell DC, Johnson PD, Williams JD, Rindsberg AK, Serb JM, Small KK, and Lydeard C. 2008. Identification of "extinct" freshwater mussel species using DNA barcoding. *Molecular Ecology Resources* 8(4):711-724. (788524634, EN)
- Campos, N. H., G. R. Navas, A. Bermúdez & N. Cruz. 2005. "Los crustáceos decápodos de la franja superior del talud continental (300-500 m) del mar Caribe colombiano". G. Andrade (ed.). Universidad Nacional de Colombia. Sede Bogotá. Instituto Nacional de Ciencias Naturales. Monografía II de la Fauna de Colombia. Bogotá. 272 pp. ISBN. 958-701-585-1 (805186352, ES)
- *Can be used for understanding the distribution and the habit while conducting taxonomic studies* (813414390, CN)
- Canada's National Reports to the Convention on Biological Diversity <http://www.cbd.int/countries/?country=ca> (4th national report should be posted within ~2 weeks) (804595709, EN)
- Carbonell, C. S., Rowell, H., Bentos-Pereira, A. & M. F. Porras. Checklist of Orthoptera (Caelifera) from Colombia. <http://www.mapress.com/zootaxa/list/2007/2007-9.html#Zootaxa1594>. (804268975, EN)
- Carnevali Fernández-Concha, G., J. L. Tapia-Muñoz, I. M. Ramírez Morillo, R. Duno de Stefano, S. Hernández-Aguilar, T. F. Daniel, F. Coe, J. J. Ortiz, N. Diego. L. Can Itzá, y F. May Pat. 2005. Notes on the flora of the Yucatan Peninsula III: New Records and Miscellaneous Notes for the Peninsular Flora II. *Harvard Pap. Botany* 9(2): 257–296. (790964201, ES)
- Carnevali Fernández-Concha, G., R. Duno de Stefano, J. L. Tapia, G. Romero & I. M. Ramírez Morillo. 2008. Notes on the flora of the Yucatan Peninsula X: restoration of *Casearia subsessiliflora* Lundell (Salicaceae), an endemic species of the Yucatan Peninsula. *Candollea* 63(1): 85-91. (790964201, ES)
- Carpenter, J. M. 2008. Review of the Hawaiian Vespidae (Hymenoptera). *Bishop Museum Occasional Papers* 99: 1-18. (788046697, EN)
- Carpenter, J. M. and B. R. Garcete-Barrett. 2005. Revision of the genus *Parazumia* de Saussure (Hymenoptera: Vespidae; Eumeninae). *Folia Entomologica Mexicana* 44 (Supplemento 1): 21-34. (788046697, EN)
- Carpenter, J. M. and L. S. Kimsey. 2009. The genus *Euparagia* Cresson (Hymenoptera: Vespidae; Euparagiinae). *American Museum Novitates* 3643: 1-11. (788046697, EN)
- Carpenter, J. M., B. R. Garcete-Barrett and M. G. Hermes. 2006. Catalog of the Neotropical Masarinae. *Revista Brasileira de Entomologia* 50 (3): 335-340 (788046697, EN)
- Carter, R., W.W. Baker, M.W. Morris. In review. Contributions to the flora of Georgia, U.S.A. *Vulpia*. (791122013, EN)
- Cartografía de Vegetación Potencial de Navarra: http://www.cfnavarra.es/agricultura/informacion_agraria/MapaCultivos/htm/proyecto.htm (809335155, ES)
- Cartwright, P., Evans, N.M., Dunn, C.W., Marques, A.C., Miglietta, M.P., Schuchert, P. and Collins, A.G. 2008. Phylogenetics of Hydroidolina (Hydrozoa: Cnidaria), *Journal of the Marine Biological Association of the United Kingdom*, 88:1663-1672 (804123890, EN)
- Carvalho P., Figueira R., Jones M.P. (2008). The lichens and lichenicolous fungi (Fungi) of the Madeira and Selvagens archipelagos. In: Borges P.A.V., Abreu C., Aguiar A.M.F., Carvalho P., Jardim R., Melo I., Oliveira P., Sérgio C., Serrano A.R.M. & Vieira P. (eds.). A list of the terrestrial fungi, flora and fauna of Madeira and Selvagens archipelagos. *Direcção Regional do Ambiente da Madeira and Universidade dos Açores, Funchal and Angra do Heroísmo*. pp. 95-122. (808236440, EN)
- Casale P, Freggi D, Gratton G, Argano R, Oliverio M. (2008). Mitochondrial DNA reveals regional and interregional importance of the central Mediterranean African shelf for loggerhead sea turtles (*Caretta caretta*). *SCIENTIA MARINA*, vol. 72; p. 541-548, ISSN: 0214-8358 (804220564, EN)
- Casanova, J.C., Feliu, C. & Torres, J. *Rivista di Parasitologia* (1996): 13 (3): 439-449. (809915108, ES)
- Case studies on the effect of climate change on the flora of Mexico (790716449, ES)

- Cassie, D. and Piercey-Normore, M. D. 2008. Dispersal in a sterile lichen-forming fungus, *Thamnolia subuliformis* (Ascomycotina, Icmadophilaceae). *Botany (formerly Canadian Journal of Botany)* 86:751-762. (810715089, EN)
- Cassie, D. M., Piercey-Normore, M. D. and Belland, R. J. 2008. Population structure of *Dicranum elongatum* Schleich. ex Schwaegr. in northeastern regions of Wapusk National Park, Manitoba, Canada. *The Bryologist*. 111(2):302-309. (810715089, EN)
- Castillo-Campos, G., Dávila-Aranda, P. y Zavala-Hurtado, J.L. 2007. La selva baja caducifolia en una corriente de lava volcánica en el centro de Veracruz: lista florística. *Boletín de la Sociedad Botánica de México* 80: 77-104. (790473914, ES)
- Castillo-Campos, G., G. Halffter & C. Moreno. 2008. Primary and secondary vegetation patches as contributors to floristic diversity in a tropical deciduous forest landscape. *Biodiversity Conservation*. 17:1701-1714 (810201330, ES)
- Catalogue of lichens, lichenicolous fungi and their allies in Murmansk Region, Russia (2008) (804932564, EN)
- Catalogue of Life Annual Checklist - http://www.catalogueoflife.org/info_how_to_cite.php (810014479, FR)
- Catalogue of the Dermaptera of Spain (806684923, ES)
- *Catalogues* (790031454, ES)
- Ceacero, F., García-Muñoz, E., Pedrajas, L., Hidalgo, A. & Guerrero, F.(2007). Actualización Herpetológica de la provincia de Jaén. *Munibe* 20: 130-139. (808463584, ES)
- CITES checklists <http://www.kew.org/science/directory/projects/CITESChecklists.html> (808459923, EN)
- CITES Review of Significant Trade (804382493, EN)
- Cole, H., Newmaster, S.G., Pitt, D., Long-term outcome of precommercial thinning in northwestern New Brunswick: Part II: Recovery of Floristic diversity, iForest – Biogeosciences and Forestry doi:10.3832/ifer0470-0010145. 2008 (804609055, EN)
- Coleman, C.O., (2007). Acanthonotozomellidae, Amathillopsidae, Dikwidae, Epimeriidae, Iphimediidae Ochlesidae and Vicmusiidae. Census of Antarctic Marine Life. Synopsis of the Amphipoda of the Southern Ocean, ed. C. De Broyer. Vol. 2. Bruxelles: Institut Royal des Sciences Naturelles de Belgique. 134 pp. (789957944, EN)
- Coleman, C.O.; J.D. Lowry, (2006): Australian Iphimediidae (Crustacea: Amphipoda). *Org. Divers. Evol.* 6, *Electr. Suppl.* 9: p. 1 – 44. (789957944, EN)
- Coleman, C.O.; J.K. Lowry, (2006): Revision of the Ochlesidae sensu stricto, including five new Australian species (Crustacea: Amphipoda). *Organism, Diversity & Evolution, Electr. Suppl.* 4: p. 1 - 57. (789957944, EN)
- Collectiona curation (797535243, EN)
- Collins, A.G., Bentlage, B., Lindner, A., Lindsay, D., Haddock, S.H.D., Jarms, G., Norenburg, J.L., Jankowski, T. and Cartwright, P. 2008. Phylogenetics of Trachylina (Cnidaria: Hydrozoa) with new insights on the evolution of some problematical taxa, *Journal of the Marine Biological Association of the United Kingdom*, 88:1673-1685 (804123890, EN)
- Collins, A.G., Bentlage, B., Matsumoto, G.I., Haddock, H.D., Osborn, K. and Schierwater, B. 2006. Solution to the phylogenetic enigma of Tetraplatia, a worm-shaped cnidarian, *Biology Letters*, 2:120-124 (804123890, EN)
- Collins, A.G., Schuchert, P., Marques, A.C., Jankowski, T., Medina, M. and Schierwater, B. 2006. Medusozoan Phylogeny and Character Evolution Clarified by New Large and Small Subunit rDNA Data and an Assessment of the Utility of Phylogenetic Mixture Models, *Systematic Biology*, 55(1):97-115 (804123890, EN)
- Compilador CONABIO. AUTORES: J. Alarcón, S. Blanco, J. Colín, C. Cantú, G. Ceballos, A. Challenger, E. Enkerlin, R. Esquivel, F. Figueroa, O. Flores-Villela, P. Illioldi-Rangel, M. Kolb, P. Koleff, M. Linaje, A. Lira-Noriega, P. Maeda, I. J. March, E. Martínez-Meyer, E. Moreno, N. Moreno, M. Munguía, M. Murguía, A. Navarro, D. Ocaña, L. Ochoa-Ochoa, V. Sánchez-Cordero, J. Soberón, M. Tambitti, J. F. Torres, T. Urquiza, L. B. Vázquez, R. Ulloa, y N. Urbina-

- Cardona. 2007. Análisis de vacíos y omisiones en conservación de la biodiversidad terrestre de México: espacios y especies. CONABIO, México:127 pp (790526619, ES)
- *CONABIO page* (793243372, ES)
 - *Confirming scientific names* (813424731, CN)
 - Consaul, L. L., Gillespie, L. J., and Waterway, M. J. 2008. A new species of Alkali grass (Puccinellia, Poaceae) from the western North American Arctic. *Novon* 18(1): 16-20. (810057771, EN)
 - Consaul, L. L., Gillespie, L. J., and Waterway, M. J. 2008. Systematics of three North American polyploid arctic alkali grasses (Puccinellia, Poaceae): morphology, ploidy, and AFLP markers. *Botany* 86(8): 916-937. (810057771, EN)
 - Consaul, L. L., Gillespie, L. J., and Waterway, M. J. 2008. Systematics of North American arctic diploid Puccinellia (Poaceae): Morphology, DNA content, and AFLP markers. *Systematic Botany* 33: 251-261. (810057771, EN)
 - *Conservation Biology Course. I use GBIF page as a source of information.* (791468724, ES)
 - constitution de FSD : bordereaux descriptifs des sites Natura 2000 (800740194, FR)
 - Corronca, J. A (2005). Re-description of the lycosiformis species group of Anyphops Benoit and description of two new species (Araneae, Selenopidae). *Journal of Natural History, UK*, 39(17):1381-1394. ISSN 0022-2933 (805947884, ES)
 - Corronca, J. A. 2005. Four new species of Selenops (Araneae, Selenopidae) and comments of the distribution of Afrotropical species. *Zootaxa, New Zealand*, 39(17):1381-1393. ISSN 1175-5326 (805947884, ES)
 - Cortey, M.; Pla, C.; García-Marín, J.L. "Historical Biogeography of Mediterranean trout." *Molecular Phylogenetics and Evolution* 33 (2004): 831-844. (810102198, ES)
 - Coscaron, M. C., M. C. Melo, J. A. Coddington, J. Corronca. 2009. Estimating biodiversity: a case study on true bugs in argentinian wetlands. *Biodivers. Conservsv.* (published online 29 April 2009). (805947884, ES)
 - Coscarón, M. del C.; M. B. Cava & J. A. Corronca 2008. Redescription of *Isocondylus Amyot & Serville 1843* (Hemiptera: Heteroptera: Reduviidae: Harpactorinae). *Zootaxa* 1846: 55-58. (805947884, ES)
 - Cózar, P.; Somerville, I. D.; Rodríguez, S. & Medina-Varea, P.: (2007)New genera of late Viséan metaspondil dasycladales from the Fuenteovejuna section (Mississippian of the Guadiato Valley, southwestern Spain).*Neues Jahrbuch für Geologie und Paläontologie*, 246: 97-109. (807604953, ES)
 - Crall, A. W., L. Meyerson, T. J. Stohlgren, C. S. Jarnevich, G. Newman, and J. J. Graham. 2006. Show Me the Numbers: What Data Currently Exist for Non-Native Species in the U.S. *Frontiers in Ecology and the Environment*. 4(8):414-418. (788192263, EN)
 - *Creating the Biodiversity Data Infrastructure of Navarra (IDBD)*
<http://www.biodiversidad.navarra.es/> (807602390, ES)
 - Crop Protection 2009 Alberta (791340836, EN)
 - Cytogenetic analysis of the Tamaraw (*Bubalus mindorensis*): A comparison of R-banded karyotype and chromosomal distribution of centromeric satellite DNAs, telomeric sequence, and 18S-28S rRNA genes with domestic water buffaloes. *J Hered* 9: 117-121 (2000). (798974674, EN)
 - Cytogenetic studies of Hynobiidae (Urodela) XIV. Analysis of the chromosome of a Chinese salamander, *Batrachuperus pinchonii* (David). *Cell Mol Life Sci* 54: 152-157 (1998). (798974674, EN)
 - Cytogenetic studies of Hynobiidae (Urodela) XIX. Morphological variation of sex chromosomes pairing behavior of lampbrush chromosomes in *Hynobius quepaertensis* (Mori) from Cheju Island, South Korea. *Chromosome Res* 13: 157-167 (2005). (798974674, EN)
 - Cytogenetic studies of Hynobiidae (Urodela) XVI. Comparative C-banded karyotype analysis of *Pseudohynobius flavomaculatus* (Fei et Ye), *Ranodon shihi* (Liu) and *Batrachuperus pinchonii* (David). *Chromosome Res* 8: 265-272 (2000). (798974674, EN)

- Cytogenetic studies of Hynobiidae (Urodela) XVIII. A ZZ/ZW sex-determining mechanism in a hynobiid salamander species, *Hynobius tokyoensis* Tago. *Cytogenet Genome Res* 99: 194-199 (2002). (798974674, EN)
- Chang, C.-H., Rougerie, R. and Chen, J.-H. (2009) 'Identifying earthworms through DNA barcodes: Pitfalls and promise', *Pedobiologia* 52: 171-80. (797563184, FR)
- *Characteristics of the Trash Fish Generated by Bottom Trawling in Surrounding Waters of Guei-Shan Island, Northeastern Taiwan* (800595120, CN)
- Chaudhary LB, Anand KK, Srivastava R - Taxonomic study of endemic species of *Astragalus* L. (Fabaceae) of India. *Taiwania*, 2007, 52(3) : 216-37. (809896381, EN)
- Chaudhary LB, Srivastava SK - Taxonomic and distributional notes on some *Astragalus* L. (Fabaceae) in India. *Taiwania*, 2007, 52(1) : 25-48. (809896381, EN)
- Cheek, M., Pollard, B.J., Achoundong, G., Onana, J.M., Gosline, G., Moat, J. & Harvey, Y. (2006). Conservation of the Plant Diversity of Western Cameroon: A Darwin Initiative Project. In Ghazanfar, S.A. & Beentje, H.J. (eds) *Taxonomy and ecology of African plants, their conservation and sustainable use. Proceedings of the 17th AETFAT Congress, Addis Ababa, Ethiopia.* Royal Botanic Gardens, Kew. 779-791 (810034473, EN)
- *Chloris truncata* in *Folia Bot. Extremadurensis* 2:59-62 (2008) (797396385, ES)
- D. Draper, A Rosselló-Graell, C. Garcia, C. Tauleigne Gomes & C. Sérgio. (2003) Application of GIS in plant conservation programs in Portugal. *Biological Conservation* 113(3):337-349 (810758307, ES)
- D. J. Du Puy and J. Moat 2003. Using Geological Substrate to Identify and Map Primary Vegetation Types in Madagascar and the Implications for Planning Biodiversity Conservation. In: Goodman, S. M. & Benstead, J. P. (eds): *The Natural History of Madagascar*: 51 - 67. University of Chicago Press (810034473, EN)
- Wrigley de Basanta, C. Lado & A. Estrada-Torres (2008). Morphology and life cycle of a new species of *Didymium* (Myxomycetes) from arid areas of Mexico. *Mycologia* 100(6): 921-929. (807636396, ES)
- Daly, M., Brugler, M.R., Cartwright, P., Collins, A.G., Dawson, M.N., Fautin, D.G., France, S.C., McFadden, C.S., Opresko, D.M., Rodriguez, E., Roman, S.L. and Stake, J.L. 2007. The phylum Cnidaria: A review of phylogenetic patterns and diversity 300 years after Linnaeus, *Zootaxa*, 1668:127-182 (804123890, EN)
- Dankittipakul, P. & J. A. Corronca, in press. Siamspinops, a new selenopid spider genus from Southeast Asia (Arachnida, Araneae)". *Organisms diversity and evolution*. Volume 9, Issue 1:69.e1-69 (805947884, ES)
- *Data model projects for management plans for National Parks* (804961333, ES)
- Data on Coleoptera for personal interest (789102013, EN)
- Data process in progress (797535243, EN)
- Data shared with researchers investigating correlations between particular plants/communities and particular insects that are disease vectors (797508056, EN)
- Data used in conservation planning; Including use for Forest Management Planning and USDA Natural Resources Conservation Service Farm Bill projects; <http://www.maine.gov/doc/nrimc/mnap/focusarea/index.htm>; <http://www.beginningwithhabitat.org/> (797508056, EN)
- Data used in environmental review of development and other projects to minimize impacts to features when these projects are projected to impact them. (797508056, EN)
- Data used to describe natural community composition across state landscape; <http://www.maine.gov/doc/nrimc/mnap/features/community.htm> (797508056, EN)
- Data used to describe state's biodiversity; <http://www.maine.gov/doc/nrimc/mnap/publications/index.htm> (797508056, EN)
- Data used to determine species rarity and state status; <http://www.maine.gov/doc/nrimc/mnap/features/plantlist.htm> (797508056, EN)

- Data used/collected to determine ecology and genetics of federally listed plants *Isotria medeoloides* (small whorled pogonia) and *Pedicularis furbishiae* (Furbish's lousewort); <http://www.maine.gov/doc/nrimc/mnap/publications/index.htm> (797508056, EN)
- Davies A, Roberts JM, Hall-Spencer JM (2007) Preserving deep-sea natural heritage: emerging issues in offshore conservation and management. *Biological Conservation* 138, 299-312. (802675589, EN)
- Davies et al Deep-sea Research vol 1 2008 (802640902, EN)
- Dávila, P., Arizmendi, M. C., Valiente-Banuet, A. Casas, A., Villaseñor, J.L. y R. Lira. 2002. Biological diversity in the Tehuacan-Cuicatlan Valley, Mexico. *Biodiversity and Conservation* 11(3): 421-442. (790473914, ES)
- Dávila, P., Mejía Saulés, M.T., Gómez-Sánchez, M., Valdés-Reyna, J., Ortiz. J.J., Morin, C., Castrejón, J. y A. Ocampo. 2006. Catálogo de gramíneas de México. UNAM-CONABIO, México D.F. 674 pp. (790473914, ES)
- de la Torre, L., Balslev, H. and Borchsenius, F. 2009. Contrasting palm species and use diversity in the Yucatan Peninsula and the Ecuadorian Amazon. *Biodiversity and Conservation* (online first). doi:10.1007/s10531-009-9610-x. (798262770, EN)
- De Miguel, A.M.; Pasabán, P.M.; Calonge, F.D. Contribution to the knowledge of the hypogeous fungi of Navarre and surrounding provinces (Northern Spain). *Bulletin de la Fédération des associations mycologiques méditerranéennes* (806724397, ES)
- de Moor F.C. 2007 Dec. Regional biogeographical differences in Trichoptera diversity in South Africa : Observed patterns and processes. Pp. 211-218. In: Bueno-Soria, J., Barba-Alvares, R. and Armitage B. (eds). *Proceedings of the 12th International Symposium on Trichoptera*. (2006 Mexico City). The Caddis Press. 378pp. (798217342, EN)
- de Moor F.C. 2007 Nov. The Albany Museum National Collection of Freshwater Invertebrates. Powerpoint presentation detailing information on the collection and its current database. Delivered at SANBI, Kirstenbosch, Cape Town 15 November 2007 (798217342, EN)
- de Moor F.C. and Baninzi M. 2007 Jul. Report for CES on data on freshwater invertebrates, extracted from databases and catalogues in the Albany Museum on collections made in rivers flowing through the Eastern half of the Eastern Cape including the former Transkei. Albany Museum Contract Report 24 pp. 5 Tables, 3 Excel Spreadsheets (798217342, EN)
- de Moor F.C. and Barber-James H.M. 2007 Mar. A survey of the aquatic macroinvertebrates of selected tributary rivers of the Olifants and Doring Rivers in the Cedarberg, western Cape to help assess conservation planning of the biodiversity of these rivers. 17pp. In: WRC Synthesis report, WRC Project K8/592. (798217342, EN)
- de Moor F.C. and Ivanov V.D. 2008 Jan. Global diversity of caddisflies (Trichoptera: Insecta) in freshwater. *Hydrobiologia* 595: 393-407. (798217342, EN)
- de Moor, I.J., Day, J.H. and de Moor F.C. (eds). 2003 Sep. [2004 Apr.] Guides to the Freshwater Invertebrates of southern Africa. Volume 8: Insecta II: Hemiptera, Megaloptera, Neuroptera, Trichoptera & Lepidoptera. x + 209pp. Water Research Commission ISBN 1-77005-055-8. (798217342, EN)
- Decaëns, T., Rougerie, R., Bonilla, D. and Ramirez, L. D. (2007) 'Contribution to the knowledge of the Saturniidae fauna of Muzo (Boyaca, Colombia), with the redescription of *Copaxa apolinairei* Lemaire, 1978 (Lepidoptera, Saturniidae)', *Nachrichten des Entomologischen Vereins Apollo* 28(1/2): 69-75. (797563184, FR)
- Deep South e-Flora participant (regional digitization project headed by Austin Mast, Florida State University) (790300687, EN)
- *Descriptive works of the physical environment* (807602390, ES)
- Díaz Asencio L., Armenteros M., Díaz Asencio M., Fernández R., Gómez-Batista M. Spatial and temporal variations of meiofaunal communities in Cienfuegos Bay, Cuba. *Revista de Biología Marina y Oceanografía* 44(1): 13-22, 2009 (788253335, ES)
- Dickens C., Graham M., de Winnaar G., Hodgson K., Tiba F., Sekwele R., Sikhakhane S., de Moor F., Barber-James H.M. and van Niekerk K. 2008 Mar [2008May]. The impacts of high winter flow releases from and impoundment on in-stream ecological processes. *Water Research*

- Commission Report 1307/1/08, Water Research Commission, Pretoria, South Africa. xxxii + 155 pp. (798217342, EN)
- Dikow, T. & Londt, J.G.H. 2000. A review of *Lamyra* Loew (Diptera: Asilidae: Laphriinae). *African Entomology* 8(2): 189–200. (788093150, EN)
 - Dikow, T. & Londt, J.G.H. 2000. A review of the genera *Anasilomus* Londt, 1983, *Oratostylum* Ricardo, 1925, and *Remotomyia* Londt, 1983, with description of a new genus and two new species (Diptera: Asilidae: Stenopogoninae). *Annals of the Natal Museum* 41: 107–121. (788093150, EN)
 - Dikow, T. & Mathis, W.N. 2002. A revision and phylogenetic study of *Actoceter* Becker (Diptera: Ephydriidae). *Proceedings of the Entomological Society of Washington* 104(2): 249–290. (788093150, EN)
 - Dikow, T. 2003. Revision of the genus *Euscelidia* Westwood, 1850 (Diptera: Asilidae: Leptogastrinae). *African Invertebrates* 44(2): 1–131. (788093150, EN)
 - Dikow, T. 2007. Taxonomic Revision of the Genus *Lasiocnemus* (Loew, 1851) (Diptera: Asilidae: Leptogastrinae). *African Entomology* 15(1): 57–74. (788093150, EN)
 - *Dioscorea howardiana*, a new species in *Dioscorea* section *Trigonobasis* (Dioscoreaceae) (790716449, ES)
 - *Directory of Protected Areas* (802534229, ES)
 - discovered the Coral Triangle (802988610, EN)
 - Disease of Field Crops in Canada (791340836, EN)
 - *Distribution and predictive modelling of species.* (813424731, CN)
 - *distribution of rare and endangered species* (813424731, CN)
 - *Distribution of species of interest: Range maps for lists and red books* (796830098, ES)
 - Distribution of the Iberian *Calopteryx* (Insecta: Odonata) and its relation with bioclimatic belts: evolutive and conservation implications. *Journal of Insect Science*: in press (796600979, ES)
 - Diversification in the Stipeae and Triticeae (paper to be written this summer - presented last summer) (788092186, EN)
 - Diversitas website (807356212, EN)
 - Diversity and Abundance of fishes and Habitats in the Rio Tahuamanu and Manuripi Basins. In: A Biological Assesement of the Upper Rio Orthon Basin, Pando Bolivia (Chernoff, B & P. Willink eds.) Conservation International. 62-71 (+ Appendix), 1999. (A. Machado-Allison, J. Sarmiento, P. Willink, N. Menezes, H. Ortega y S. Barrera). (804691270, ES)
 - *Doctoral work on the historical distribution in the Santiago river* (794025942, ES)
 - Doering, M. and Piercey-Normore, M. D. 2009. Genetically divergent algae shape an epiphytic lichen community on Jack Pine in Manitoba. *Lichenologist* 41:1-12. (810715089, EN)
 - Dohrmann, M., Janussen, D., Reitner, J., Collins, A.G. and Wörheide, G. 2008. Phylogeny and Evolution of Glass Sponges (Porifera, Hexactinellida), *Systematic Biology*, 57(3):388-405 (804123890, EN)
 - Domingo Gómez Orea "Evaluación de Impacto Ambiental" (807592721, ES)
 - Domínguez Lozano, F., J.C. Moreno Saiz & H. Sainz Ollero (2003) Rarity and threat relationships in the conservation planning of Iberian flora. *Biodiv. & Conserv.* 12: 1861–1882. (799744522, ES)
 - Domínguez Lozano, F., J.C. Moreno Saiz, H. Sainz Ollero & M.W. SWARTZ (2007). Effects of dynamic taxonomy on rare species and conservation listing: insights from the Iberian vascular flora. *Biodiv. & Conserv.* 16: 4039-4050. (799744522, ES)
 - Drafting of the National Reports on the Status of Biological Diversity in Zambia (804059449, EN)
 - Draper, D., Iriondo, J.M. (2005) Impact assessment of exotic species on threatened flora in Minorca (Balearic Islands, Spain). Lisboa, 30 Mai – 2 June 2005. *GIS Planet 2005* (810758307, ES)
 - Drechsler-Santos, E., Groposo, C., Loguercio-Leite, C. Additions to the knowledge of lignocellulolytic Basidiomycetes (Fungi) in forests from Santa Catarina State, Brazil. *Mycotaxon.*, v.103, p.197 - 200, 2008. (804198863, ES)

- Duarte M.C., Correia E. & Figueira R. (2008). Modelos de distribuição potencial de espécies lenhosas em Santiago (Cabo Verde). III Congresso da Ordem dos Biólogos subordinado ao tema Bioeconomia, 25 a 27 de Fevereiro, Reitoria da Universidade de Lisboa. (808236440, EN)
- Duno de Stefano, R., G. Carnevali Fernández-Concha, J. L. Tapia-Muñoz, I. M. Ramírez Morillo y S. Hernández-Aguilar. 2005. Notes on the flora of the Yucatan Peninsula IV: Marsilea vestita Hook. et Grev. var. vestita (Marsileaceae), a new record and some comments about the genus in the region. Bol. Soc. Bot. Méx. 76: 37-41. (790964201, ES)
- Duno de Stefano, R., P. Fantz, G. Carnevali F.C. & L. L. Can Itza. 2008. Centrosema and Clitoria (Leguminosae: Papilionidae: Phaseoleae: Clitoriinae) in the Mexican Yucatán Peninsula, including three lectotypifications. Vulpia 7:1-15. (790964201, ES)
- Dvořák, L. and J. M. Carpenter. 2008. The first record of the paper wasp Polistes smithii neavei von Schulthess, 1921, from the Middle East (Hymenoptera: Vespidae: Polistinae), with notes on the social wasp fauna of Yemen. Zoology in the Middle East 44: 119-120. (788046697, EN)
- Beltrán-Tejera, J. L. Rodríguez-Armas, A. Bañares & C. Lado (2008). Hongos. In E. Beltrán-Tejera (Ed.) Hongos, líquenes y briófitos del Parque Nacional de Garajonay (La Gomera, Islas Canarias). O. A. Parques Nacionales, Serie Técnica. Ministerio de Medio Ambiente. Madrid, pp. 41-389. (807636396, ES)
- e.g. Mora et al. (2008). The completeness of taxonomic inventories for describing the global diversity and distribution of marine fishes. Proceedings of the Royal Society B, 2008: 275, 149-155. (803995773, EN)
- Eberwein & Litscher (2007): Solanum carolinense L. (Solanaceae), ein gefährlicher Neubürger in Österreich. - In: Leitner, F. W., Hrsg. Rudolfinum: Jahrbuch des Landesmuseums für Kärnten. - Klagenfurt: Landesmuseum Kärnten pp. 325-330. (804165147, EN)
- Ebrahimi, E. and J. M. Carpenter. 2008. Catalog of the vespidae wasps of Iran (Hymenoptera, Vespidae). Zootaxa 1785: 1-42. (788046697, EN)
- Ecological zonification of National Parks (804961333, ES)
- Ecoregion Based Conservation in the Chihuahuan Desert (788283142, ES)
- *Ecoregional evaluation of the Mesoamerican Reef: Marine Conservation Plan* (788283142, ES)
- Ediciones Programa Cost 341. Fauna y tráfico (807592721, ES)
- *Edition of the book "Cañón del Sumidero, El lugar de los desfiladeros" (coordinated with Textus editorial). It is a chronicle about this notable site, from which very little has been published. It contains 63 pictures illustrating aspects of this natural wonder of Mexico.* (793087734, ES)
- Educational outreach regarding invasive plants in Maine brought to various venues such as garden shows and agricultural fairs. (797508056, EN)
- *Effects of climate change on the distribution of diversity in the state of Hidalgo, Mexico. Financing source: Fondos Mixtos del Consejo Nacional de Ciencia y Tecnología (FOMIX-CONACyT clave 98122) \$1,160,000.00* (791468724, ES)
- EIA reports- not online (794212955, EN)
- Ekrem, T. & E. Stur (2009). A review of the genus Zavrelia (Diptera: Chironomidae). European Journal of Entomology 106: 119-144 (803046147, EN)
- Ekrem, T. (2007). A taxonomic revision of the genus Stempellinella (Diptera: Chironomidae). - Journal of Natural History 41: 1367-1465 (803046147, EN)
- Ekrem, T., E. Willassen & E. Stur (2007). A comprehensive DNA library is essential for identification with DNA barcodes. - Molecular Phylogenetics and Evolution 43(2): 530-542 (803046147, EN)
- Elsevier (807356212, EN)
- Engstrom, M.D., and B.K. Lim, and F.A. Reid. 1999. Common mammals of Iwokrama. Iwokrama International Centre for Rain Forest Conservation and Development, Georgetown, Guyana. <http://www.iwokrama.org/mammals/index.html>. (804330245, EN)
- *Environmental data of species habitat* (813424731, CN)
- *Environmental Framework Law* (801885680, FR)

- *Environmental Impact and Effects Evaluation* (807602390, ES)
- *Environmental Impact Assessment for utilities* (791128694, ES)
- *Environmental Impact Assessment of the Jiliapan Project* (794025942, ES)
- *Environmental Impact Assessment of the Presa Extóraz* (794025942, ES)
- *Environmental Impact Assessment of the Rain Collector System of Manzanillo* (794025942, ES)
- *Environmental Impact Assessment of the Water Treatment Plant of Texcoco* (794025942, ES)
- *Environmental Impact Assessment preparation* (800740194, FR)
- Environmental Impact Assessment Reports (788674644, EN)
- *Environmental Law* (802534229, ES)
- Environmental regional profile (800740194, FR)
- Escalante, T., J. Llorente, D. Espinosa y J. Soberón. 2000. Bases de datos y sistemas de información: aplicaciones en biogeografía. *Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales* 24(92): 325-341. (793316601, ES)
- Escalante, T., V. Sánchez-Cordero, J. J. Morrone y M. Linaje. 2007. Areas of endemism of Mexican terrestrial mammals: A case study using species' ecological niche modeling, Parsimony Analysis of Endemicity and Goloboff fit. *Interciencia* 32(3): 151-159. (793316601, ES)
- Escalante, T., V. Sánchez-Cordero, J. J. Morrone y M. Linaje. 2007. Deforestation affects biogeographical regionalization: A case study contrasting potential and extant distributions of Mexican terrestrial mammals. *Journal of Natural History* 41(13-16): 965-984. (793316601, ES)
- Escobar, F., G. Halffter, A. Solís, V. Halffter and D. Navarrete. 2008. Temporal shifts in dung beetle community structure within a protected area of tropical wet forest: a 35-year study and its implications for long-term conservation. *Journal of Applied Ecology*, 45: 1584-1592 (810201330, ES)
- Escobar, F., Gonzalo Halffter and L. Arellano. 2007. From forest to pasture: an Evaluation of the influence of environment and biogeography on the structure of dung beetle (Scarabaeinae) assemblages along three altitudinal gradients in the Neotropical region. *Ecography* 30:193-208. (810201330, ES)
- Espadaler, X. & D. Cuesta. 2006. *Teleutomymex schneideri* Kutter, 1950 en España (Hymenoptera, Formicidae). *Graellsia* 62: 261-262. (804145490, ES)
- Espadaler, X. 2007. The ants of El Hierro (Canary Islands). En: *Advances in ant systematics (Hymenoptera: Formicidae): homage to E. O. Wilson - 50 years of contributions*. *Memoirs American Entomological Institute* 80: 113-127. (804145490, ES)
- Espadaler, X. 2008. *Myrmica vandeli* Bondroit 1920 an ant species new to Sweden (Hymenoptera, Formicidae). *Entomologisk Tidskrift* 129: 40-42. (804145490, ES)
- Espadaler, X., Reyes, J.L. 2008. Dos nuevas localidades para una (¿rara?) hormiga endémica ibérica, *Temnothorax blascoi* (Espadaler, 1997) (Hymenoptera, Formicidae). *Boletín de la Sociedad entomológica aragonesa* 42: 449-450. (804145490, ES)
- Estado de conservación y recatalogación UICN de *Carex diandra* Schrank en España. VIII Coloquio Internacional de Botánica Pirenaico Cantabrica (804929467, ES)
- Estimating the growth rate of *Gammarus pulex* (L.) from the River Yesilirmak (Turkey) *Archiv für Hydrobiologie*. 161 (4), 553 – 559. (2004) (804138441, EN)
- etc. (809182613, ES)
- Etxeberria, M. & Ibáñez, R. 2005. Colonización espontánea de taludes de desmonte sobre margas en Navarra: establecimiento y fuente de diásporas. *Publ. Bio. Univ. Navarra, Ser. Bot.* 16:53-70. (807624753, ES)
- *Exposure of an ecocide: felling 7 Ha of Mangrove in the Carpintero Lagoon, Tampico* (794211825, ES)
- Ezcurra, E.; A. Valiente-Banuet; O. Flores-Villela, and E. Vázquez-Domínguez. 2001. Vulnerability to global environmental change in natural ecosystems and rural areas: A question of latitude?. pp.217-246. In J. X. Kasperson and R. E. Kasperson (eds.) *Global environmental risk*. United Nations University Press and EARTHSCAN, Tokio, Japan:574 pp (790526619, ES)

- *factors influencing the distribution and abundance of endangered species (i.e. Ursus thibetanus formosanus)* (815903681, CN)
- Faden, R.B. and M.H. Alford 2001. A new species of Commelina (Commelinaceae) from Tanzania. *Novon* 11: 16-21. (788371183, EN)
- FAH Sperling, S Graham, R Mulligan, C La Farge and J Andrews. "Unlocking the legacy of Alberta's natural science collections." In Proceedings of the Third Conference of the International Committee for University Museums and Collections, 85-94. Norman, OK. 2004. <http://publicus.culture.hu-berlin.de/umac/2003/sperling.html> (790612784, EN)
- *Federico Roman Biological Inventory* (788855019, ES)
- Feest (2006) *Restoration Ecology* (804127770, EN)
- Feest, van Swaay and van Hinsberg (2008) report to European Environment Agency on relationship between butterflies and nitrogen deposition (804127770, EN)
- Feliu, C, Mas-Coma, S & Murai, E. *Acta Zoologica Fennica* (1985), 170: 211-212. (809915108, ES)
- Feliu, C., Torres, J., Miquel, J. & Casanova, J.C. *Research and Reviews in Parasitology* (1994): 54 (2): 125-127. (809915108, ES)
- Ferguson, D. M., S.M. Gunn-Zumo, and L.E. Urbatsch. 2007. Vascular Plant Inventory of Gulf Islands National Park, Florida and Mississippi. Draft final report submitted to the U.S. National Park Service, Department of the Interior, 183 pp. (790300687, EN)
- Ferguson, D. M., S.M. Gunn-Zumo, and L.E. Urbatsch. 2009. Vascular Plant Inventory of Jean Lafitte National Historical Park and Preserve, Louisiana. Final report submitted to the U.S. National Park Service, Department of the Interior, 109 pp. (790300687, EN)
- Ferguson, D.M. ©2008. Interactive key to the genus *Cyperus* (flatsedges; Cyperaceae) of the fifty United States and Canada, including 124 taxa and 58 features. <http://www.herbarium.lsu.edu/keys>. (790300687, EN)
- Ferguson, D.M. ©2008. Interactive key to the genus *Kyllinga* (*Cyperus* subg. *Kyllinga*; Cyperaceae) of the continental United States, including six taxa. <http://www.herbarium.lsu.edu/keys>. (790300687, EN)
- Ferguson, D.M. and M. Giddens. *Featured Herbaria: LSU and LSUM. The Vasculum* 4(1): 3-8. and the review follows (attaching PDF) (790300687, EN)
- Fernández-González, F., J. Loidi & J.C. Moreno Saiz (2005). Capítulo 5. Impactos sobre la biodiversidad vegetal. En J.M. Moreno Rodríguez (coord.): *Evaluación preliminar de los impactos en España por efecto del cambio climático: 183-247*. Ministerio de Medio Ambiente, Madrid. (799744522, ES)
- Ferreira, P.S.F., E.M. Pires, A.S. Paula & L.A. Coelho. 2006. Geographic distribution of Miridae in Minas Gerais State, Brazil (Hemiptera: Heteroptera). *Zootaxa* (804217067, EN)
- *Field guide for the Taipei Botanical Garden – Mothes* (813358480, CN)
- Fierro, M., G. R. Navas, A. Bermúdez & N. H. Campos. 2008. Lista de chequeo de las familias Galatheidae y Chirostylidae (Crustacea: Decapoda: Anomura) del neotrópico. *Biota Colombiana* 9 (1) 1-20. (805186352, ES)
- FIGIS / FAO (804364635, FR)
- Figueira R. & Duarte M.C. (2008). A importância da informação disponibilizada pelo GBIF na avaliação dos recursos vegetais. *Investigação e Desenvolvimento na CPLP*. 30 Novembro, Centro de Conferências Joaquim Chissano, Maputo, Moçambique. (808236440, EN)
- Figueira, R., Sérgio, C., Menezes, R., Sousa A. J., Draper, D. & Silva A. (2005) Predicting Bryophytes distribution for conservation purposes: Use of Ecological Niche Factor Analysis, Kriging with External Drift and GIS for Habitat characterization. *Lisboa, 30 Mai – 2 June 2005. GIS Planet 2005* (810758307, ES)
- figure in submitted paper dealing with the distribution of plant family Chloranthaceae mapped on Google Earth map (804101235, EN)
- Final Technical Reports from completed researches e.g. visit <http://www.wiomsa.org/?id=718> (788674644, EN)

- Finkel, Z. V., Sebbo, J., Feist-Burkhardt, S., Irwin, A. J., Katz, M. E., Schofield, O. & Young, J. R. 2007. A universal driver of macroevolutionary change in the size of marine phytoplankton over the Cenozoic Proceedings of the National Academy of Science of the United States of America 104(51), 20416-20420. (797909081, EN)
- FISHBASE (804364635, FR)
- Fishbein, M. 2008. A new, diminutive, Mexican milkweed (*Asclepias*, Apocynaceae sensu lato). *Novon* 18:43-47 (789013767, EN)
- Fishbein, M. and V. W. Steinmann. 2008. Rediscovery of *Mirabilis hintoniorum* (Nyctaginaceae), a striking four-o'clock endemic to the Sierra de Coalcomán, Michoacán, México. *Journal of the Botanical Research Institute of Texas* 2:547-550 (789013767, EN)
- Fishbein, M., D. Chuba, C. Ellison, R. Mason-Gamer, and S. P. Lynch. Phylogenetic relationships of *Asclepias* (Apocynaceae) estimated from non-coding cpDNA sequences. *Systematic Botany* (accepted). (789013767, EN)
- Fishbein, M., S. R. Kephart, M. Wilder, K. M. Halpin, and S. L. Datwyler. 2009. Phylogeny of *Camassia* (Agavaceae) inferred from plastid rpl16 intron and trnD-trnY-trnE-trnT intergenic spacer DNA sequences: implications for species delimitation. *Systematic Botany* (accepted). (789013767, EN)
- Fishbein, M., V. Juárez-Jaimes, and L. O. Alvarado-Cárdenas. 2008. Resurrection of *Asclepias schaffneri* (Apocynaceae, Asclepiadoideae), a rare, Mexican milkweed. *Madroño* 55:69-75 (789013767, EN)
- Flinn, K., Lechowicz, M. J., and Waterway, M. J. 2008. Plant species diversity and composition of wetlands within an upland forest. *American Journal of Botany* 95(10): 1216-1224. (810057771, EN)
- Fløjgaard, C., Normand, S., Skov, F. & Svenning, J.-C. In press. Ice age distributions of European mammals: insights from species distribution modelling. *Journal of Biogeography*. (796220458, EN)
- Flora Iberica (808452220, ES)
- Flora Liquenológica Ibérica vol. 1 (2009, in press) (804932564, EN)
- Flora Neotropica Monograph vol. 78 (2000) (804932564, EN)
- Flora of East Tropical Africa <http://www.kewbooks.com/asps/Search.asp?types=yes&type=Flora+of+Tropical+East+Africa> (808459923, EN)
- Flora of North America, volumes 24 and 25 (they are books - I shall not be mailing them; contents are at the web address given as example 1) (788092186, EN)
- Florens, F. B. V. & Baider, C. 2007. Relocation of *Omphalotropis plicosa* (Pfeiffer, 1852), a Mauritius endemic landsnail believed extinct. *Journal of Molluscan Studies* 73(2) : 205-206 (789977268, EN)
- Florens, F. B. V.; Baider, C. 2006. Relocation of 'extinct' *Ficus densifolia* Miq. (Moraceae) in Mauritius. *Phelsuma* 14: 101-103. (789977268, EN)
- Florens, F. B. V.; Baider, C.; Bosser J. 2008. On the Mauritian origin of the hitherto believed extinct *Badula ovalifolia* (Myrsinaceae), with complementary description. *Kew Bulletin* 63 (3): 481-483. (789977268, EN)
- Flores Villela, O. 1996. Biogeografía centros de datos y conservación de la biodiversidad. In: O. Rivero Serrano y G. Ponciano Rodríguez (eds.) 1996. La situación ambiental en México, PUMA, UNAM. México pp: 247-257. (790526619, ES)
- Flores-Villela, O. y A. G. Navarro S. 1993. Un análisis de los vertebrados terrestres endémicos de Mesoamérica en México. *Revista de la Sociedad Mexicana de Historia Natural, Volúmen Especial, (XLIV):387-395.* (790526619, ES)
- Flores-Villela, O. y P. Gerez. 1994. Biodiversidad y Conservación en México: Vertebrados, Vegetación y Uso del Suelo. CONABIO/UNAM. México:439 pp. (790526619, ES)
- Flores-Villela, O.; A. Handal Silva y L. Ochoa Ochoa (Eds.). 2003. Diagnóstico de la diversidad biológica de El Salvador. REDMESO y SRE, México:171 pp. (790526619, ES)

- Fochetti R, Sezzi E, Tierno De Figueroa J.M, Modica M.V, Oliverio M. (2009). Molecular systematics and biogeography of the western Mediterranean stonefly genus *Tyrrhenoleuctra* (Plecoptera, Insecta). *Journal Of Zoological Systematics And Evolutionary Research*, ISSN: 0947-5745, doi: 10.1111/j.1439-0469.2008.00508.x (804220564, EN)
- Foliar morphological variation in the white oak *Quercus rugosa* Ne'e (Fagaceae) along a latitudinal gradient in Mexico: Potential implications for management and conservation (790716449, ES)
- *Follow-up of endangered species in the Canary Islands* (797505184, ES)
- *Food norms* (808438479, ES)
- For a list of my publications and a species catalogue of the bee genus *Colletes* please visit my website: www.nhm.ac.uk/research-curation/staff-directory/entomology/m-kuhlmann/index.html (796643378, EN)
- Forest communities of Montgomery and Stewart Counties, northwestern Middle Tennessee. *Jour. Tenn. Acad. Sci.* 70: 82-91. (788118223, EN)
- *Forest Management Manual* (802534229, ES)
- *Forestry Code* (801885680, FR)
- Foronda, P., Casanova, J.C., Valladares, B. & Feliu, C. *Parasitology Research* (2004): 93: 279-282. (809915108, ES)
- Freire-Fierro, A. 2000. Grossulariaceae. Page 214 In: Valencia, R., N. Pitman, S. León-Yáñez & P. M. Jørgensen (eds.) *Libro rojo de las plantas endémicas del Ecuador 2000*. Herbario QCA, Pontificia Universidad Católica del Ecuador, Quito. (788843549, EN)
- Freire-Fierro, A. 2002. Proposal to conserve *Ribes leptostachyum* Benth. against *Ribes leptostachyum* Decne. *Taxon* 51(1): 195. (788843549, EN)
- Freire-Fierro, A. 2004. *Botánica Sistemática Ecuatoriana*. Missouri Botanical Garden, FUNDACYT, QCNE, RLB and FUNBOTANICA. Murray Print, St. Louis. 209 pp. (788843549, EN)
- Freire-Fierro, A. 2008. Crassulaceae. En: Zuloaga, F., O. Morrone, y M. J. Belgrano (eds.). *Catálogo de las Plantas Vasculares del Cono Sur*. *Monographs of Systematic Botany* 107. Missouri Botanical Garden. St. Louis, USA. (788843549, EN)
- Freire-Fierro, A., D. Fernández y C. Quintana. 2002. Usos de Melastomataceae en el Ecuador. *Sida* 20(1) 233—260. (788843549, EN)
- Freire-Fierro, A., P. Naranjo, et al. 1995. 270 Plantas medicinales Iberoamericanas, In Gupta, M. (ed.). *Convenio Andrés Bello*, Bogotá. (788843549, EN)
- Fryxell, P.A. *Talipariti* (Malvaceae), a segregate from *Hibiscus*. *Contr. Univ. Michigan Herb.* 23: 225-270. 2001. (804457042, EN)
- Fukami, H., Chen, C.A., Budd, A.F., Collins, A.G., Wallace, C., Chuang, Y., Chen, C., Dai, C., Iwao, K., Sheppard, C. and Knowlton, N. 2008. Mitochondrial and Nuclear Genes Suggest that Stony Corals Are Monophyletic but Most Families of Stony Corals Are Not (Order Scleractinia, Class Anthozoa, Phylum Cnidaria), *PLoS ONE*, 3(9):e3222 (804123890, EN)
- *Fungus study* (806794474, ES)
- *Galápagos Study, Parc Natural del Túrria FASE 1-2008* (808611345, ES)
- *Galápagos Study, Parc Natural del Túrria FASE 2-2009* (808611345, ES)
- García Amorena et al 2006-Stomatal responses in deciduous oaks from southern Europe to the anthropogenic atmospheric CO2 increase refining the.pdf (796599999, ES)
- García Barros, E., P. Gurrea, M.J. Lucíañez, J.M. Cano, M.L. Munguira, J.C. Moreno, H. Sainz, M.J. Sanz & J.C. Simón (2002). Parsimony analysis of endemism and its application to animal and plant geographic distributions in the Ibero-Balearic region (western Mediterranean). *J. Biogeography* 29: 109-124. (799744522, ES)
- García, A., H. Solano-Rodríguez and O. Flores-Villela. 2007. Patterns of alpha, beta and gamma diversity of the herpetofauna in Mexico's Pacific lowlands and adjacent interior valleys. *Animal Biodiversity and Conservation* 30.2:169-177. (790526619, ES)

- García, F., Arnal, J.M., Espadaler, X. 2008. Primeros registros de *Myrmica bibikoffi* Kutter, 1963 (Hymenoptera: Formicidae) en la Península Ibérica. *Heteropterus* 8: 211-215. (804145490, ES)
- García-Bellido, D.C. & Rodríguez, S (2005) Palaeobiogeographical relationships of poriferan and coral assemblages during the late Carboniferous and the closure of the western Palaeotethys Sea-Panthalassan Ocean connection. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 219 : 321-331 (807604953, ES)
- García-Marín, J.L. and Pla C "Origins and relationships of native populations of *Salmo trutta* (brown trout) in Spain." *Heredity* 77 (1996): 313-323. (810102198, ES)
- García-Trejo, E. A. y A. G. Navarro. 2004. Patrones biogeográficos de la riqueza de especies y el endemismo de la avifauna en el oeste de México. *Acta Zoológica Mexicana* (n. s.) 20(2):167-185. (804239602, ES)
- Gardner, T. A., Ribeiro-Júnior, M. A., Barlow, J., Ávila-Pires, T. C. S., Hoogmoed, M. S. and Peres, C. A., 2007. The value of primary, secondary, and plantation forest for a neotropical herpetofauna. *Conservation Biology* 21 (3): 775-787. (804376501, EN)
- Gayana de Zoología (790470866, ES)
- gen bank (800584469, ES)
- General Status of Species in Canada <http://www.wildspecies.ca/home.cfm?lang=e> (804595709, EN)
- *Genetic resources* (802534229, ES)
- Geographic spatial autocorrelation in *Quercus ellipsoidalis*. *Bull. Torrey. Bot. Club* 113: 431-439. (788118223, EN)
- Geometridae Ibericae (807271476, ES)
- Ghazanfar S.A., Beentje H.J. & Moat J. (2006). Flora of tropical East Africa: quantitative analysis of the flora and its conservation. In: S.A.Ghazanfar & H.J. Beentje (eds), *Taxonomy and ecology of African plants, their conservation and sustainable use*: 591-607. Royal Botanic Gardens, Kew. (810034473, EN)
- Gobbi M. & Fontaneto D., 2008 – Biodiversity of ground beetles (Coleoptera: Carabidae) in different habitats of the Italian Po lowland. *Agriculture, Ecosystems & Environment* 127: 273-276. (804139234, EN)
- Gómez-Batista M., Metian M., Teyssié J.L., Alonso-Hernández C. & M. Warnau (2007). Bioaccumulation of dissolved arsenic in the oyster *Crassostrea virginica*: a radiotracer study. *Environmental Bioindicators* 2(4): 237-244 (788253335, ES)
- González Armada, B.; Cavero, R.Y.; De Miguel, A.M. Diversidad florística en zonas truferas de Navarra (806724397, ES)
- Government Policy Papers for countries in the region e.g. visit: <http://www.environment.go.ke/> (788674644, EN)
- Goyder, D. & Liede-Schumann, S. 2008. Notes on *Cynanchum* and *Pentarrhinum* (Apocynaceae: Asclepiadoideae) in tropical Africa. *Kew Bull.* 63: 463-466. (789950710, EN)
- Graham J, Newman G, Jarnevich CS, Shory R, Stohlgren TJ. 2007. A Global Organism Detection and Monitoring System for Non-Native Species. *Ecological Informatics* 2: 177-183 (788192263, EN)
- Graham J, Simpson A, Crall A, Jarnevich C, Newman G, Stohlgren TJ. 2008. Vision of a cyberinfrastructure for nonnative, invasive species management. *Bioscience* 58: 263-268 (788192263, EN)
- Grall J & Hall-Spencer JM (2003) Problems facing maerl conservation in Brittany. *Aquatic Conservation, Marine and Freshwater Ecosystems* 13, 55-64 (802675589, EN)
- Gregson J., de Kok R., Moat J. & Bachman S. (2007). Application of GIS to conservation assessments at the Royal Botanic Gardens, Kew. In Chua L.S.L., Kiton L.G. & Saw L.G. (eds) *Status of Biological Diversity in Malaysia & Threat Assessment of Plant Species in Malaysia*. Proceedings of the Seminar and Workshop 28-30 June 2005 Malaysia. 245-256. (810034473, EN)
- GROSSI, Everardo José ; VAZ-De-Mello, F. Z. ; Bello, Ayr de Moura ; GROSSI, Paschoal Coelho . *Agacephala margaridae*. In: Angelo Barbosa Monteiro Machado, Angelo Barbosa Monteiro Machado; Gláucia Moreira Drummond; Adriano Pereira Paglia. (Org.). *Livro Vermelho*

- da Fauna Brasileira Ameaçada de Extinção. 1 ed. Belo Horizonte, Brasília: MMA, Fundação Biodiversitas, 2008, v. I, p. 360-361. (788526261, ES)
- Grossi, Paschoal Coelho ; Vaz-De-Mello, F. Z. . A new species of *Metadorcinus* Kriesche from Brazil with notes on the genus (Coleoptera: Scarabaeoidea: Lucanidae). *Zootaxa* (Auckland), v. 1478, p. 49-59, 2007. (788526261, ES)
 - Guðríoður Gyða Eyjólfsdóttir. 2009. Investigation of the funga of Surtsey 2008. *Surtsey Research* 12: 105-111. www.surtsey.is (799368736, EN)
 - Guía del Palmar, Hidalgo. CAMBIOS: Cooperativa por un Ambiente Biodiverso y Sustentable. Primera edición, mayo de 2003. (793087734, ES)
 - Gutiérrez-Salcedo J. M., M. I. Aguilar, A. Bermúdez, N. H. Campos & G. R. Navas. 2007. Estructura de la macrofauna de invertebrados presente en los nidos del pez *Malacanthus plumieri* (Bloch, 1786) (Perciformes: Malacanthidae) en la bahía de Nenguange, Parque Nacional Natural Tayrona, mar Caribe colombiano. *Caldasia* 29(2):309-328. (805186352, ES)
 - Guzmán, U., Arías, S. y P. Davila. 2003. Catálogo de cactáceas mexicanas. UNAM-CONABIO. 315 pp. (790473914, ES)
 - *Habitat Administration and Management by Considering Changes of Butterfly Fauna - A Example of Taipei Botanical Garden.* (813358480, CN)
 - *Habitat cards of the 92/43/CEE Directive* (796830098, ES)
 - Halffter, G. y V. Halffter. 2008. Nuevos datos sobre *Canthon* (Coleoptera: Scarabaeinae) de Chiapas, México. *Acta Zoológica Mexicana*, 25(2): (En Prensa) (810201330, ES)
 - Halffter, Gonzalo, E. Pineda, L. Arellano y F. Escobar. 2007. Instability of Copronecrophagous Beetle Assemblages (Coleoptera: Scarabaeinae) in a Mountainous Tropical Landscape of Mexico. *Environ. Entomol.* 36(6): 1397-1407 (810201330, ES)
 - Halse, S.A., Lyons, M.N. and Pinder, A.M. (2004). Biodiversity patterns and their conservation in wetlands of the Western Australian Wheatbelt. *Records of the Western Australian Museum, Supplement 67: 337-364.* (805778517, EN)
 - Hall-Spencer JM & Bamber R (2007) Effects of salmon farming on benthic Crustacea. *Ciencias Marinas* 33, 353-366. (802675589, EN)
 - Hall-Spencer JM, Allain V, Fossa JH (2002) Trawling damage to Northeast Atlantic ancient coral reefs. *Proceedings of the Royal Society London, B.* 269, 507-511 (802675589, EN)
 - Hall-Spencer JM, Pike J, Munn CM (2007) Diseases affect cold-water corals too: *Eunicella verrucosa* (Cnidaria, Gorgonaea) necrosis in SW England. *Diseases of Aquatic Organisms* 76, 87-97 (802675589, EN)
 - Hall-Spencer JM, Rodolfo-Metalpa R, Martin S, Ransome E, Fine M, Turner SM, Rowley SJ, Tedesco D, Buia M-C (2008) Volcanic carbon dioxide vents reveal ecosystem effects of ocean acidification. *Nature* 454, 96-99. (802675589, EN)
 - Hall-Spencer JM, Rogers A, Davies J Foggo A (2007) Historical deep-sea coral distribution on seamount, oceanic island and continental shelf-slope habitats in the NE Atlantic. In: R. Y. George and S. D. Cairns, eds. *Conservation and adaptive management of seamount and deep-sea coral ecosystems.* Rosenstiel School of Marine and Atmospheric Science, University of Miami. Miami. 324 p. (802675589, EN)
 - Hamel-Leigue, A.C. ; Mann, D. ; Vaz-De-Mello, F. Z. ; Herzog, S.K. . Hacia un inventario de los escarabajos peloteros (Coleoptera: Scarabaeinae) de Bolivia: Primera compilación de los géneros y especies registrados para el país. *Revista Boliviana de Ecología y Conservación Ambiental*, v. 20, p. 1-18, 2006. (788526261, ES)
 - Harmon, P.J. et al. 2006. Checklist and Atlas of the Vascular Flora of West Virginia. WVDNR, Elkins. 381 pp. (810255392, EN)
 - Hartl, kniely, Leute, Niklfeld & Perko (1992): *Verbreitungsatlas der Farn- und Blütenpflanzen Kärntens.* - Klagenfurt; Naturwissenschaftlicher Verein für Kärnten (804165147, EN)
 - Hartman, R. L., R. K. Rabeler, and F. H. Utech. 2005. 15. *Eremogone*. In: *Flora of North America* Editorial Committee, eds. *Flora of North America North of Mexico* 5: 56-70. (789623369, EN)

- Hassan, N. S., Hartmann, H. E. K. & Liede-Schumann, S. 2005: Conspectus of Aizoaceae, Gisekiaceae and Molluginaceae of Egypt and the Sudan. Feddes Rep. 116: 1-42. (789950710, EN)
- Hawkins, B.A. et al. (2007). A global evaluation of metabolic theory as an explanation for terrestrial species richness gradients. Ecology 88(8): 1877-1888. (799744522, ES)
- Hawkins, B.A., Albuquerque, F.S., Araújo, M.B., Beck, J., Bini, L.M., Cabrero-Sañudo, F.J., Castro-Parga, I., Diniz-Filho, J.A.F., Ferrer-Castán, D., Field, R., Gómez, J.F., Hortal, J., Kerr, J.T., Kitching, I.J., León-Cortés, J.L., Lobo, J.M., Montoya, D., Moreno, J.C., Olalla-Tárraga, M.Á., Pausas, J.G., Qian, H., Rahbek, C., Rodríguez, M.Á., Sanders, N.J., Albuquerque F.S. & Williams, P. 2007. A global evaluation of metabolic theory as an explanation for terrestrial species richness gradients. Ecology 88: 1877-1888. (796675742, EN)
- Haxaire, J., Rougerie, R. and Estradel, Y. (2004) 'Contribution à la connaissance des Sphingidae du Gabon (Lepidoptera)', Lambillionea 104(1): 92-4. (797563184, FR)
- Henderson, A., Borchsenius, F. and Balslev, H. 2008. New species of Geonoma (Palmae) from Ecuador. Brittonia 60: 190-201. (798262770, EN)
- Hendrickson, O. Invasive Alien Species in Canadian Forests pp. 59-72, in Claudi, R. et al (eds.) 2002, Alien Invaders in Canada's Waters, Wetlands and Forests. Natural Resources Canada, Ottawa (804595709, EN)
- *Herbaria databases* (790031454, ES)
- Herraiz, J.A., Espadaler, X. 2007. Laboulbenia formicarum (Asvcomycota: Laboulbeniales) reaches the Mediterranean. Sociobiology 50: 449-455 (804145490, ES)
- Herrero N, Sánchez S, Zabalgoceazcoa I. 2009. Mycoviruses are common among different species of fungal endophytes of grasses. Archives of Virology 154:327-330. (807630696, ES)
- *Historical collections of dry forest in MEDEL herbarium. Communication to the International Conference on Dry Forests* (788497924, ES)
- Hoogmoed, M. S. and Avila-Pires, T. C. S., 1991. Annotated checklist of the herpetofauna of Petit Saut, Sinnamary River, French Guiana. Zoologische Mededelingen Leiden 65: 53-88. (804376501, EN)
- Hoogmoed, M. S., 1993. The herpetofauna of floating meadows. Pp. 199-213 in "Freshwater Ecosystems of Suriname" ed by P.E. Ouboter. Kluwer, Netherlands. (804376501, EN)
- Hoogmoed, M.S., & T. Mott, 2003. On the identity of Amphisbaena hugoi Vanzolini, 1990 (Reptilia: Squamata: Amphisbaenidae). – Zoologische Mededelingen Leiden 77(28): 455-457. (804376501, EN)
- Hoogmoed, M.S., & T.C.S. Avila-Pires, 1991. A new species of small Amphisbaena (Reptilia: Amphisbaenia: Amphisbaenidae) from western Amazonian Brazil. – Boletim do Museu Paraense Emilio Goeldi, série Zoologia 7(1): 77-94. (804376501, EN)
- Hoogmoed, M.S., 1973. Notes on the herpetofauna of Surinam IV. The lizards and amphisbaenians of Surinam. – Biogeographica IV: i-v, 1-419. (804376501, EN)
- Hoogmoed, M.S., 1979. The herpetofauna of the Guianan region. In: W.E. DUELLMAN: The South American herpetofauna: its origin, evolution, and dispersal. – Monograph of the Museum of Natural History The University of Kansas 7: 241-279. (804376501, EN)
- Hossain MY, Leunda PM, Ohtomi J, Ahmed ZF, Oscoz J & Miranda R, 2008. Biological aspects of the Ganges River Sprat Corica soborna (Clupeidae) in the Mathabhanga River (SW Bangladesh). Cybium 32(3), 241-246. (806550563, ES)
- Hsieh, I.T., S. Scik, and H.K. Mok*. 2009. Sipunculans associated with the seagrass Thalassia hemprichii from Taiwan and two adjacent islands. Cah. Biol. Mar. 50:xx-xx. (In press). (800589859, CN)
- <http://140.128.27.30/nancy/> (805683507, CN)
- <http://amphibiaweb.org/> (791614428, EN)
- <http://anic.ento.csiro.au/ants> (788027187, EN)
- <http://anic.ento.csiro.au/database> (788027187, EN)
- <http://axiompanbiog.com/Elaphe.aspx> (796324699, EN)
- <http://axiompanbiog.com/idplane.aspx> (796324699, EN)

- <http://axiompanbiog.com/Lampropletis.aspx> (796324699, EN)
- <http://axiompanbiog.com/panbioglnks.aspx> (796324699, EN)
- <http://axiompanbiog.com/spantree.aspx> (796324699, EN)
- <http://axiompanbiog.com/vtime.aspx> (796324699, EN)
- <http://beta.edit-extra.nu/> (799296704, EN)
- <http://botany.si.edu/Antilles/PRFlora/index.html> (804309518, EN)
- <http://botany.si.edu/antilles/WestIndies/index.htm> (804309518, EN)
- <http://botany.si.edu/bdg/index.html> (804309518, EN)
- <http://botany.si.edu/staff/showFullList.cfm?thisAuthor=Strong, M> (804309518, EN)
- <http://botany.si.edu/staff/staffPage.cfm?ThisName=44&homepage=no> (804309518, EN)
- <http://btv.eelis.ee> (805792124, EN)
- <http://bugs.clemson.edu/faculty/morsepubs.htm> (804821214, EN)
- <http://cladonia.nacse.org/platlas/jclass/OPAJava20.htm> (788878548, EN)
- <http://coralpedia.bio.warwick.ac.uk/> (804182347, EN)
- <http://data.gbif.org/datasets/resource/93> (799292774, EN)
- <http://diptera.myspecies.info/> (796655048, EN)
- <http://econgis.forest.gov.tw/index1.htm> (803251701, CN)
- <http://ecoportal.net> (797462382, ES)
- <http://ecosig.ivic.ve/> (790316793, EN)
- <http://e-info.org.tw/node/32515> (803230075, CN)
- <http://emuse.nmns.edu.tw/Default.aspx?tabid=265&Domin=z&Field=i0&ContentType=Knowledge&ObjectId=&FieldName=> (810625245, CN)
- <http://eurisco.ecpgr.org/> (790004352, EN)
- <http://flore.cbnm.org/index.php?fold=atlas&page=atlas> (807586134, FR)
- <http://flore.cbnm.org/index.php?page=recherche&PHPSESSID=49a65273b2f73fc8a40264264b512bc2> (807586134, FR)
- <http://futuros21.com> (797462382, ES)
- <http://herbario.uson.mx/HUSON03.htm> (791301728, ES)
- <http://herbario.uson.mx/HUSON04.htm> (791301728, ES)
- <http://herbario.uson.mx/HUSON05.htm> (791301728, ES)
- <http://herbario.uson.mx/HUSON09.htm> (791301728, ES)
- <http://herbarium.usu.edu/webmanual/default.htm> (788092186, EN)
- <http://hm.tesri.gov.tw/modules/mydownloads/singlefile.php?cid=4&lid=8> (804917555, CN)
- <http://hm.tesri.gov.tw/modules/mydownloads/singlefile.php?cid=9&lid=18> (804917555, CN)
- <http://iberia.ennor.org> (797564964, ES)
- <http://idena.navarra.es> (807592721, ES)
- <http://interreg-bionatura.com/canarias.php> (797505184, ES)
- <http://islandbiodiversity.com/expedition.htm> (804966964, EN)
- <http://jakob.fahr.googlepages.com/conferencecontributions> (804168602, EN)
- <http://jakob.fahr.googlepages.com/publications> (804168602, EN)
- <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=5587288&fulltextType=RA&fileId=S000748530800624X> (804726894, EN)
- <http://loodusvaatlused.eelis.ee> (805792124, EN)
- <http://milichiidae.info/en/content/milichiella-online-revision, paper submitted> (796655048, EN)

- <http://mvz.berkeley.edu/Grinnell/index.html> (791614428, EN)
- [http://mypests.com/resources/presentations/IPM-WG IPM and the Case of What DunIt_files/frame.htm](http://mypests.com/resources/presentations/IPM-WG_IPM_and_the_Case_of_What_DunIt_files/frame.htm) (788184331, EN)
- [http://mypests.com/resources/presentations/RMM IPM Inside and Out.ppt_files/frame.htm](http://mypests.com/resources/presentations/RMM_IPM_Inside_and_Out.ppt_files/frame.htm) (788184331, EN)
- [http://mypests.com/resources/presentations/RMM New Tools to Manage Pests in a Museum_files/frame.htm](http://mypests.com/resources/presentations/RMM_New_Tools_to_Manage_Pests_in_a_Museum_files/frame.htm) (788184331, EN)
- <http://neurotteri.casaccia.enea.it/articoli.htm> (805339208, EN)
- <http://opinionsur.rg> (797462382, ES)
- <http://oregonstate.edu/ornhic/publications.html> (793207067, EN)
- <http://plants.usda.gov/java/nameSearch> (788878548, EN)
- <http://pol.tnl.org.tw/home/tw/> (805683507, CN)
- <http://register.keskkonnainfo.ee/envreg/main> (805792124, EN)
- <http://rjb.revistas.csic.es/index.php/rjb/article/view/173/0> (788497924, ES)
- <http://rsps.royalsocietypublishing.org/content/276/1657/639.full.pdf+html?sid=d942f7cb-3973-4a58-b49a-8a073f260067> (804726894, EN)
- <http://sappiens.com> (797462382, ES)
- <http://sci.odu.edu/gmsa/> (807649898, EN)
- <http://shell.sinica.edu.tw> (800577582, CN)
- <http://tenn.bio.utk.edu> (791230462, EN)
- <http://tpittaway.tripod.com/china/china.htm> (796675742, EN)
- <http://vefsja.ni.is/website/plontuvefsja/> (799876886, EN)
- <http://veterinaria.org> (797462382, ES)
- <http://www.academia.nl> (799296704, EN)
- http://www.africamuseum.be/research/zoology/vertebrates/SABIN-CABIN/research/zoology/vertebrates/SABIN-CABIN/GBIFLinks_Country (799292774, EN)
- <http://www.africanbats.org/ACR.htm> (804911831, EN)
- <http://www.amjbot.org/cgi/content/abstract/94/1/29> (804192012, FR)
- <http://www.amjbot.org/cgi/reprint/86/4/563> (810746463, EN)
- <http://www.animalbase.org> (789429095, EN)
- <http://www.antdiversityindia.com> (804150587, EN)
- <http://www.anthos.es> (806564706, ES)
- <http://www.anthos.es> (797416860, ES)
- <http://www.apnsac.org/?p=76> (791301728, ES)
- <http://www.archive.org> (790470866, ES)
- <http://www.bib.ub.edu/cedocbiv/> (809180532, ES)
- http://www.big.org/Boletin_BIGA/Boletin_BIGA4/Camano_Contributions_Diptera_I_BolBIGA_4_2008_p91-94.pdf (796640001, ES)
- http://www.big.org/Boletin_BIGA/Boletin_BIGA4/Pino_Asientos_LOU_2006_BolBIGA_4_2008_p23-36.pdf (796640001, ES)
- http://www.big.org/Plantae/Publicaciones/Aportaciones_a_la_flora_de_Galicia_VII.pdf (796640001, ES)
- <http://www.biodiversidad.navarra.es> (807601453, ES)
- <http://www.biodiversidadvirtual.com> (807400210, ES)
- <http://www.biodiversidadvirtual.com> (809190344, ES)
- <http://www.biodiversidadnavarra.es> (807592721, ES)

- <http://www.biodiversityhotspots.org/Pages/default.aspx> (806647162, FR)
- http://www.biodiversityhotspots.org/xp/Hotspots/west_africa/Pages/default.aspx (804168602, EN)
- http://www.biodiversityscience.org/priority_outcomes/west_africa/ (804168602, EN)
- http://www.biology.ualberta.ca/bsc/news23_2/birdmites.htm (788287211, EN)
- <http://www.blwg.nl/mosatlas> (804100411, EN)
- <http://www.Botanicus.org> (804483380, EN)
- <http://www.botany.si.edu/types/> (804483380, EN)
- <http://www.botany.ubc.ca/herbarium/algae/index.html> (810238490, EN)
- <http://www.cate-sphingidae.org/Index.do> (796675742, EN)
- <http://www.cbm.slu.se/eng/perseng/mattias.php> (804180841, EN)
- <http://www.cbnbp.fr> (799345875, FR)
- <http://www.cbnm.org> (807586134, FR)
- <http://www.citsci.org> (788192263, EN)
- <http://www.cmima.csic.es/ictimed/index2.html> (808821546, ES)
- <http://www.csic.icm.es/rec/gim/medits.html> (804928277, ES)
- http://www.chemnet.com.tw/information/news_detail.asp?sno=27882&ntable=table4 (803230075, CN)
- <http://www.ebd.csic.es> (809190344, ES)
- <http://www.ecosistemas.ru> (809190344, ES)
- <http://www.eeob.iastate.edu/research/iowagrasses/> (805077604, EN)
- <http://www.eflora.bc.ca/> (810238490, EN)
- <http://www.ennor.org/catalogue.php> (797564964, ES)
- <http://www.ensconet.eu> (797469049, ES)
- <http://www.env.gov.bc.ca/cdc/> (810238490, EN)
- <http://www.environment.gov.au/biodiversity/threatened/publications/recovery/lord-howe/pubs/lord-howe-biodiversity.pdf> (804726894, EN)
- <http://www.eol.org/> (804182347, EN)
- <http://www.eumycetozoa.com> (807636396, ES)
- <http://www.fao.org/forestry/24107/en/> (788878548, EN)
- <http://www.fao.org/forestry/reforgen/index.jsp> (788878548, EN)
- <http://www.fundacionmigres.org> (809190344, ES)
- <http://www.genmedoc.org> (797469049, ES)
- <http://www.gfbs-home.de/> (804182347, EN)
- <http://www.herbarium.iastate.edu/fungi/> (805077604, EN)
- <http://www.herbarium.iastate.edu/herbarium/Herbariumsearch.html> (805077604, EN)
- <http://ideal.es/waste> (797462382, ES)
- <http://www.ieo.es> (804928277, ES)
- <http://www.indexfungorum.org> (800584469, ES)
- <http://www.informaworld.com/index/741558795.pdf> (804192012, FR)
- <http://www.ingentaconnect.com/content/iapt/tax/2008/00000057/00000001/art00006> (788714731, EN)
- <http://www.iobis.org/publications/> (789544287, EN)
- <http://www.ipe.csic/floaragon> (807592721, ES)
- <http://www.ipni.org> (808459923, EN)

- <http://www.iucn.org/resources/publications/?2920/The-status-and-distribution-of-freshwater-biodiversity-in-southern-Africa> (793676937, EN)
- <http://www.iucnredlist.org> - I am the redlist focal point for tortoises & freshwater turtles (804382493, EN)
- <http://www.iucnredlist.org/search/link/4a06ffec-15624a4e> (804168602, EN)
- <http://www.jangala-magazine.com> (808463584, ES)
- <http://www.jbimperu.org> (789488116, ES)
- http://www.johanneslundberg.se/publications/abstracts/yaounde_2007_postern.html (788714731, EN)
- <http://www.jstor.org/stable/info/3093852> (810746463, EN)
- <http://www.juntadeandalucia.es> (809190344, ES)
- <http://www.keskkonnainfo.ee/index.php?lan=EE&sid=65&tid=67&act=pub&actargs=31> (805792124, EN)
- <http://www.kew.org/gis/projects/cats/index.html> (810034473, EN)
- <http://www.kew.org/gis/projects/srli/> (810034473, EN)
- <http://www.keytonature.eu> (797388642, EN)
- <http://www.lacistemataceae.org> (789395657, EN)
- <http://www.latimes.com/news/printedition/opinion/la-oe-kimsey4jul04,1,5369741.story> (807432048, EN)
- <http://www.libertytimes.com.tw/2007/new/sep/19/today-life12.htm> (803230075, CN)
- <http://www.mapress.com/zootaxa/2006f/zt01292p040.pdf> (804726894, EN)
- <http://www.marinespecies.org/porifera/> (804182347, EN)
- <http://www.micodata.es> (800584469, ES)
- <http://www.mma.es> (807592721, ES)
- http://www.mnhn.fr/museum/foffice/science/science/ColEtBd/bdScientifiques/sommaireArticle/fiche.xsp?ARTICLE_ARTICLE_ID=14163&idx=8&nav=liste (799348997, FR)
- http://www.mnhn.fr/museum/foffice/science/science/DocScientifique/publications/presentation/listeParution/ficheParution/ficheContenu.xsp?CONTENU_ID=703&PARUTION_ID=3&PUBLICATI ON_ID=5&idx=1&nav=listeParution (804192012, FR)
- http://www.mnhn.fr/museum/front/medias/publication/8189_a06n1a5.pdf (804192012, FR)
- <http://www.naturalproduct.us/content/npc-2-12-2007.pdf> (804546883, EN)
- <http://www.navarra.es/appsext/Lics/> (807601453, ES)
- http://www.navarra.es/home_es/Gobierno+de+Navarra/Organigrama/Los+departamentos/Desarrollo+Rural+y+Medio+Ambiente/Organigrama/Estructura+Organica/Medio+Ambiente/Acciones/Conservaci%c3%b3n+de+la+biodiversidad/Estrategia+Navarra+de+Conservacion+de+la+Biodiversidad.htm (807601453, ES)
- http://www.navarra.es/home_es/Gobierno+de+Navarra/Organigrama/Los+departamentos/Desarrollo+Rural+y+Medio+Ambiente/Organigrama/Estructura+Organica/Medio+Ambiente/Acciones/Conservaci%c3%b3n+de+la+biodiversidad/LICs.htm (807601453, ES)
- http://www.navarra.es/home_es/Gobierno+de+Navarra/Organigrama/Los+departamentos/Desarrollo+Rural+y+Medio+Ambiente/Organigrama/Estructura+organica/Medio+Ambiente/Acciones/Informacion+ambiental/Elementos/Diversidad+biologica/ (807601453, ES)
- http://www.nhdf.org/library/pdf/Bogs_I.pdf (801835961, EN)
- <http://www.nhdf.org/library/pdf/PawtuckawayFinalReport-onlineversion.pdf> (801835961, EN)
- http://www.nhdf.org/library/pdf/pisgah_report_final.pdf (801835961, EN)
- <http://www.nhm.ac.uk/research-curation/research/projects/bombus/> (796658636, EN)
- http://www.nhm.ac.uk/research-curation/research/projects/bombus/Williams&al07_climate.pdf (796658636, EN)

- http://www.nhm.ac.uk/research-curation/research/projects/bombus/Williams&al09_metaanalysis.pdf (796658636, EN)
- http://www.nhm.ac.uk/research-curation/research/projects/bombus/Williams&al09_Sichuan.pdf (796658636, EN)
- http://www.nhm.ac.uk/research-curation/research/projects/bombus/Williams07_colour.pdf (796658636, EN)
- http://www.nhm.ac.uk/research-curation/research/projects/bombus/Williams08_Psithyrus.pdf (796658636, EN)
- http://www.nhm.ac.uk/research-curation/research/projects/bombus/Williams98_historynames.pdf (796658636, EN)
- <http://www.niiss.org> (788192263, EN)
- <http://www.nordgen.org/ecpgr/> (790004352, EN)
- <http://www.nordgen.org/index.php/skand/Folder2/Innehaall/Husdyrdatabasen> (790004352, EN)
- <http://www.nordgen.org/sesto/?scp=ngb&thm=sesto> (790004352, EN)
- <http://www.nordgen.org/sgsv/> (790004352, EN)
- <http://www.nparks.gov.sg/nbc> (803718291, EN)
- <http://www.nrm.se/krypto-s> (788714731, EN)
- <http://www.nybg.org> (789488116, ES)
- <http://www.nyu.edu/projects/fitch/Rhabditina/> (804353663, EN)
- <http://www.oceanografossinfronteras.org> (797462382, ES)
- <http://www.plantbiology.siu.edu/Faculty/nickrent/NickrentPDFs/Malecot&Nickrent2008.pdf> (804192012, FR)
- <http://www.plantbiology.siu.edu/Faculty/nickrent/NickrentPDFs/Rogers2008AMB.pdf> (804192012, FR)
- <http://www.plantmasc.org/> (807586134, FR)
- <http://www.plosone.org> (809190344, ES)
- <http://www.pmcg.cg.yu/NM5/KaramanNM5.htm> (807306375, EN)
- <http://www.pmcg.cg.yu/NM7/KARAMAN NM7-1.pdf> (807306375, EN)
- http://www.pnwfungi.org/pdf_files/manuscripts_volume_3/naf20087/naf200875.pdf (804546883, EN)
- http://www.qp.alberta.ca/574.cfm?page=2001_171.cfm&leg_type=Regs&isbncIn=077974649X (790122286, EN)
- http://www.qp.alberta.ca/574.cfm?page=2001_184.cfm&leg_type=Regs&isbncIn=9780779731350 (790122286, EN)
- <http://www.reunion.ecologie.gouv.fr/> (805722057, FR)
- <http://www.reviberoammicol.com/2006-23/160170.pdf> (804546883, EN)
- <http://www.riversideca.gov/museum/exhibit-11.asp> (788184331, EN)
- <http://www.riversideca.gov/museum/na-plantcom.asp> (788184331, EN)
- <http://www.sabif.ac.za> (800601126, EN)
- <http://www.semclimed.org> (797469049, ES)
- http://www.senckenberg.de/root/index.php?page_id=28 (804182347, EN)
- <http://www.sphin-sea.unibas.ch/> (796675742, EN)
- <http://www.teleblik.nl> (799296704, EN)
- <http://www.tropicallichens.net> (804100411, EN)
- <http://www.tropicos.org> (789488116, ES)
- <http://www.tropicos.org> (804483380, EN)
- <http://www.tropicos.org> (813303044, CN)
- <http://www.tropicos.org/> (804479061, EN)

- <http://www.uaf.edu/museum/collections/ento/collection-history/publications/> (788368913, EN)
- <http://www.unav.es/botanica> (807592721, ES)
- http://www.ville-ge.ch/mhng/dpt_ento_collab.php (802155962, FR)
- <http://www.ville-ge.ch/musinfo/bd/cjb/hedwig/?lang=EN> (804479061, EN)
- <http://www.vk.ru> - Каталог и поисковая система по культурам микроорганизмов коллекции [Catalog and search system of the collections of microorganism cultures] (801430278, RU)
- <http://www.xtimeline.com/timeline/Southern-California-A-Cloud-of-Butterflies-a-Kaleidoscope-of-Lepidopterists> (788184331, EN)
- <http://www.zeroextinction.org/> (804168602, EN)
- [http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/agdex11519](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/agdex11519) (790122286, EN)
- Huber, J.T., Baquero, E. Review of Eustochus, a rarely collected genus of Mymaridae (Hymenoptera) Journal of the Entomological Society of Ontario, 138: 3-31. (806267880, ES)
- Hugo Fernando López-Arévalo, Sonia Gallina-Tessaro, Rosario Landgrave, & E. Martinez-Meyer. 2008. Combinación de modelos de distribución de especies y el conocimiento local, como herramientas para la conservación de mamíferos medianos. El VII Congreso Internacional sobre Manejo de Fauna Silvestre en la Amazonía y América Latina, 1 -5 de septiembre de 2008. (794786851, ES)
- Hugot, J.P. & Feliu, C. Systematic Parasitology (1990): 17: 219-230. (809915108, ES)
- Huirong Li, Yong Yu, Wei Luo, Yinxin Zeng, Bo Chen (2009) Bacterial diversity in surface sediments from the Pacific Arctic Ocean. Extremophiles, 13(2):233-246 (789837375, EN)
- *Hummingbird studies* (806794474, ES)
- Husband, R.W., Camerik, A.M. & Stals, R. 2006. Two new species of Regenpolipus and distribution of Eutarsopolipus lukoschusi and Regenpolipus species (Acari: Podapolipidae), ectoparasites of Thermophilum decemguttatum and Anthia species (Coleoptera: Carabidae) in South Africa, Botswana and Namibia. International Journal of Acarology 32(4): 361–370. (788745446, EN)
- *I am currently preparing the description of a new scorpion species from the State of Guerrero, also without funding. This year I intended to participate in the CONOCAYT call but I could not apply because my school is not registered in the CONACUT data bank.* (789477115, ES)
- Ibáñez, R., Verhagen, R. & van Diggelen, R. 2007. In: Verhagen, R. (ed.) Changing Land Use. Restoration perspectives of low production communities on agricultural fields after top soil removal. pp. 69-85. (807624753, ES)
- *Identification of distribution and prediction of spreading of invasive species* (813424731, CN)
- *Identification of potential for Environmental Services in Ejido El Balcón, State of Guerrero.* (797732559, ES)
- Idesia (790470866, ES)
- *Impact evaluation* (807866572, ES)
- *In 2003 I participated in the National Conference on Entomology, presenting a new species of scorpion from the State of Guerrero (Diplocentrus majahuensis). I didn't use the CONABIO information because it did not exist for this group.* (789477115, ES)
- *In 2006-2007 I did a project preparing 50 posters, without any funding, entitled CONOCIENDO EL ENTORNO, with flora from Zihuatanejo. This material was handed to the Dirección de Investigación of the Universidad Autónoma de Guerrero, but it was not printed.* (789477115, ES)
- In reports on the Icelandic funga where details on specimens can be seen on www.gbif.org only FA-numbers of the AMNH herbarium is needed in the text. (799368736, EN)
- information charts, flyers, posters, interactive maps (788674644, EN)
- Inland fishes of Massachusetts. KE Hartel, DB Halliwell, AE Launer - 2002 - Massachusetts Audubon Society (791208480, EN)
- *Insects of the Lien-hua Chi Experimental Forest (1) - Butterflies* (813358480, CN)

- *Integration of ecological, geographical and environmental information* (790588481, ES)
- Internal report 2006, 2009 (804548781, EN)
- Internal reports for NOAA 2005-2007 on invasive species patterns (marine and freshwater species distributions) (788459249, EN)
- *Introduction to the Stichophthalma in Taiwan* (813358480, CN)
- *Inventory of Orchids in the Unión Zapoteca-Chinanteca, Sierra Norte de Oaxaca* (797732559, ES)
- *Inventory of useful fungi in the Unión Zapoteca-Chinanteca, Sierra Norte de Oaxaca* (797732559, ES)
- Iñaki Aizpuru y otros. "Guía de los Árboles y arbustos de Euskal Herria" (807592721, ES)
- IPNI (789488116, ES)
- Iraola VM, Biurrun R, Moraza ML, Esparza MJ, 1994. Depredadores de la familia Phytoseiidae sobre ácaro rojo Panonychus ulmi (Koch) en frutales de Navarra". Boletín de Sanidad Vegetal-Plagas 1994; 20 (3): 687-694. (806753199, ES)
- Iraola VM, Biurrun R, Moraza ML, Ferragut F, 1997. Fitoseidos (Acari: Phytoseiidae) en maíz y en vegetación de ribazo en Navarra, densidades y composición de especies. Boletín de Sanidad Vegetal Plagas 1997; 23: 209-220. (806753199, ES)
- Iraola VM, Moraza ML, 1998. "Primera cita de Amblyseius agrestis (Karg, 1960) (Acari: Phytoseiidae) en la Península Ibérica. Boletín de la Asociación Española de Entomología 1998; 23: 42-3. (806753199, ES)
- Iraola VM, Moraza ML, Biurrun R, 1999. Ácaros tetraníquidos (Acari: Tetranychidae) y fitoseidos (Acari: Phytoseiidae) en hojas y cobertura vegetal de perales de Navarra. Boletín de Sanidad Vegetal. Plagas 1999; 25. (806753199, ES)
- ispecies (789736772, EN)
- *Use of taxonomical references* (800740194, FR)
- *I've written more than 150 articles and books on taxonomy and biodiversity* (809504663, ES)
- Iwarsson, M. & Harvey, Y. B. 2003: Monograph of the genus Leonotis (Pers) R. Br. (Lamiaceae). Kew Bulletin 58:597-645. (804180841, EN)
- Jäger, P. & Rheims, C.A. (2008): On the genera Origes SIMON 1897, Prusias O.P.-CAMBRIDGE 1892, Tibellomma SIMON 1903 and Paenula SIMON 1897 from South and Central America (Araneae: Sparassidae). — Senckenbergiana biologica 88 (1): 29–39. (789954185, EN)
- Jäger, P. (2006): Martensopoda n. gen. from South India, the first genus of huntsman spiders with a cymbial spur (Araneae: Sparassidae: Heteropodinae). — In: Jäger, P., Päckert, M. & Schwendinger, P. (Eds): Ornithology, Arachnology and Asian mountain ranges — A tribute to the work of Prof. Dr Jochen Martens. Zootaxa 1325: 335–345. (789954185, EN)
- Jäger, P. (2008): Barylestis Simon 1910 — first record in Asia with comments on its zoogeography (Araneae: Sparassidae: Heteropodinae). — Arthropoda Selecta (Special Volume M.I. Saaristo): 105–110. (789954185, EN)
- Jäger, P. (2008): Revision of the huntsman spider genus Heteropoda Latreille 1804: species with exceptional male palpal conformations (Araneae: Sparassidae: Heteropodinae). — Senckenbergiana biologica 88 (2): 239–310. (789954185, EN)
- Jäger, P. (2008): Sparassidae from China 5. Pseudopoda songi sp. nov. from Yunnan Province (Arachnida, Araneae, Sparassidae, Heteropodinae). — Senckenbergiana biologica 88 (1): 45–48. (789954185, EN)
- Janko, K., Lecointre, G., DeVries, A., Couloux, A., Cruaud, C., & Marshall, C. (2007). Did glacial advances during the Pleistocene influence differently the demographic histories of benthic and pelagic Antarctic shelf fishes? BMC Evolutionary Biology, 7, 220-236. (789392808, EN)
- Jankowski, T., Collins, A.G. and Campbell, R. 2008. Global diversity of inland water cnidarians, Hydrobiologia, 595:35-40 (804123890, EN)
- Jarnevich, C.S., J.J. Graham, G.J. Newman, M.A. Crall, and T.J. Stohlgren. 2006. Balancing data sharing requirements for analyses with data sensitivity. Biological Invasions. In press (788192263, EN)

- Javier Loidi, Juan carlos Bascones. "Memoria del maao de series de vegetación de Navarra" (807592721, ES)
- Javier Peralta de Andrés "Identificaciónd e los Hábitats de interés y prioritarios de Navarra" (807592721, ES)
- Jdeidi, T., Bilgin, C.C. & Kence, M. (2001) New localities extend the range of *Rana bedriagae caralitana* Arıkan, 1988 (Anura: Ranidae) further west and suggest specific status. Turkish J. Zool. 25: 153-158. (807603503, EN)
- Jena SN, Kumar S, Nair KN - Molecular phylogeny in Indian Citrus L. (Rutaceae) inferred through PCR-RFLP and trnL-trnF sequence data of chloroplast DNA. Scientia Hort., 2009, 119(4): 403-16 (809896381, EN)
- Jiménez-Valverde. A., J.C. Barriga Bernal & A. G. Moreno. 2006. A new *Parachtes Alicata*, 1964 species from the Iberian Peninsula (Araneae, Dysderidae). Bulletin of the British Arachnological Society, 13 (7): 273-274. (796603939, ES)
- Jiménez-Valverde. A., J.C. Barriga Bernal & E. Morano. 2004. Datos interesantes sobre la distribución de *Araniella opisthographa* (Kulczynski, 1905) y *A. inconspicua* (Simon, 1874) (Araneae: Araneidae) en la Península Ibérica. Revista Ibérica de Aracnología, 9: 269 – 270. (796603939, ES)
- Joly, S. & A. Bruneau. 2007. Delimiting species boundaries in *Rosa* sect. *Cinnamomeae* (Rosaceae) in Eastern North America. Systematic Botany 32: 819-836. (801091995, FR)
- Joly, S., J. R. Starr, W. H. Lewis et A. Bruneau. 2006. Polyploid and hybrid evolution in roses east of the Rocky Mountains. American Journal of Botany 93: 412-425. (801091995, FR)
- Jordana, R., Baquero, E. A disjunct distribution for a new species of *Orchesellides* (Collembola, Entomobryidae, Orchesellinae). Entomological News, 117(1): 83-90. (806267880, ES)
- Jornada "El herbario y su utilización" (797014335, ES)
- just google my name and get this from the website once I update it (810548447, EN)
- JWPCP Biennial Receiving Water Monitoring Report 2006-2007; County Sanitation Districts of Los Angles County 1955 Workman Mill Road Whittier CA 90607 (804362879, EN)
- *Kandelia obovata* (*Rhizophora*), a new mangrove species from Eastern Asia. (Taxon 52) (813416996, CN)
- Karyotypic evolution and organization of the highly repetitive DNA sequences in the Japanese shrew-moles, *Dymecodon pilirostris* and *Urotrichus talpoides*. Cytogenet Genome Res 111: 152-158 (2005). (798974674, EN)
- Kasperek, M., Bilgin, C.C. & Akin, A. (1989) The Purple Gallinule (*Porphyrio porphyrio*) in the Eastern Mediterranean. Zoology in the Middle East, 3: 19-30 (807603503, EN)
- Kence, A. & Bilgin, C.C. (1998) Turkish Fauna Database. Final report for TUBITAK, Ankara, Turkey. (807603503, EN)
- Kerr, J. T. 2001. Butterfly species richness patterns in Canada: energy, heterogeneity, and the potential consequences of climate change. Conservation Ecology 5: 10. URL: <http://www.consecol.org/vol5/iss1/art10>. (803743468, EN)
- Kerr, J. T., H. Kharouba, and D. J. Currie. 2007. The macroecological contribution to global change solutions. Science 316: 1581-1584. (803743468, EN)
- Kerr, J. T., T. R. E. Southwood, and J. Cihlar. 2001. Remotely sensed habitat diversity predicts butterfly species richness and community similarity in Canada. Proceedings of the National Academy of Sciences 98: 11365-11370. (803743468, EN)
- Khan, S.A. Razafimandimbison, S. G., Bremer, B. & Liede-Schumann, S. 2008. Phylogeny and biogeography of the African genus *Virectaria* Bremek. (Sabiceae s.l., Ixoroideae, Rubiaceae). Pl. Syst. Evol. DOI 10.1007/s00606-008-0053-8 (789950710, EN)
- Kharouba, H. M, A. C. Algar, and J. T. Kerr. 2009. Historically calibrated predictions of butterfly species' range shift using global change as a pseudo-experiment. Ecology. (803743468, EN)
- Kimsey, L. S. 2009. Report on the insect diversity of the Algodones Dunes. U. S. Bureau of Land Management Cooperative Agreement for the Californian Cooperative Ecosystems Unit Assistance Agreement AA033001/BAA06044. 33 pp. (807432048, EN)

- Komar, O., B. J. O'Shea, A. T. Peterson & A. G. Navarro. 2005. Latitudinal sexual segregation among Nearctic Neotropical Migratory birds in Mexico. *Auk* 122:938-948. (804239602, ES)
- Kononenko V. S., H. L. Han 2007. Atlas genitalia of Noctuidae in Korea - . Seoul. (807543428, RU)
- Kononenko, V. S. 2005. An annotated Checklist of the Noctuidae (Insecta, Lepidoptera) of the Asian part of Russia and the Ural. *Noctuidae Sibiricae*. Vol. 1. - Vol. 1. . Soro. (807543428, RU)
- Kononenko, V. S., S. B. Ahn, L. Ronkay 1998. Illustrated catalog of Noctuidae in Korea (Lepidoptera). - (807543428, RU)
- Kotelko, R., Doering, M. and Piercey-Normore, M. D. 2008. Species diversity and genetic variation of terrestrial lichens and bryophytes in a boreal jack pine forest of central Canada. *The Bryologist*. In Press. 111(4) (810715089, EN)
- Kronauer, D. J. C., Schöning, C., Vilhelmsen, L. & Boomsma, J. J. 2007. A molecular phylogeny of *Dorylus* army ants provides evidence for multiple evolutionary transitions in foraging niche. *BMC Evolutionary Biology* 7: 56. (796017111, EN)
- la edición del libro: "Iztaccíhuatl, bosques húmedos en las barrancas" (en coordinación con la compañía Textus). Se trata de un trabajo de tesis efectuado por el autor entre 1997 y 2004 en la parte baja del volcán Iztaccíhuatl. Contiene información relacionada con la investigación y 67 fotografías que ilustran diferentes aspectos de la misma enfocados a los impactos humanos y sobre la vegetación. (793087734, ES)
- Lafontaine, J. D., K. Mikkola, Kononenko, V. S. 1998. Subgenus *Pachnobia* Guenée. // *Moths of America North of Mexico. Noctuoidea: Noctuidae (Part), Noctuinae, part..* - . Vol. 27. N 3. P. 139-165. (807543428, RU)
- Lafosse-Marin S, Iraola V, Merle S, Fernández-Caldas E, 2006. Étude de la faune acarologique des matelas de l'île de la Martinique. *Rev Française Allergol Immunol Clin*. 2006 Mar; 46(2): 62-7 (806753199, ES)
- Lamare, M. D., Barker, M. F., Lesser, M. P., & Marshall, C. (2006). DNA photorepair in echinoid embryos: effects of temperature on repair rate in Antarctic and non-Antarctic species. *J Exp Biol* S, 209, 5017-5028. (789392808, EN)
- Landry B. & L. Roque-Albelo. The Glaphyriinae (Lepidoptera: Pyralidae) of the Galapagos Islands, Ecuador, with keys to the Neotropical species of *Hellula* Guenée. *Tijdschrift voor Entomologie* 151: 193–203. (802155962, FR)
- Las Diatoméas Bentónicas De Las Lagunas Del Parque Nacional De Sierra Nevada. Estudio Comparado Con Las Colecciones Del Herbario De La Universidad De Granada (GDA) (2003). Tesis Doctoral. (796647418, ES)
- Lattig, P., San Martín, G. & Martín, D., 2007d. Taxonomic and morphometric analyses of the *Haplosyllis spongicola* complex (Polychaeta: (810897244, ES)
- Lee, C. Z., Liou, G. Y. and Yuan, G. F.. 2006. Comparison of the *afIR* gene sequences of strains in *Aspergillus* section *Flavi*. *Microbiology*. 2006. 152:161-170 (800536896, CN)
- Lee, P.-F. 2004. *The Application of Remote-Sensing and GIS on Ecological Studies. Symposium of Wild Animal Techniques and Research, Taipei.* (798178007, CN)
- Lee, P.F., C. Y. Ko, and R. S. Lin. 2007. Identifying biodiversity hotspots by prediction models: a case study using the endemic bird species in Taiwan. *Symposium and Analytic Workshop on Quantitative Ecology, Academia Sinica, Taipei. (Abstract)* (798178007, CN)
- Lee, P.-F., H.-J. Shiu, J.-E. Sheu. 2003. Distribution of breeding bird diversity on elevational gradients in Taiwan. *Proceedings of the Symposium of the 5th Cross-Strait Avian Research, National Museum of Natural Science, Taichung.* (798178007, CN)
- Lee, P.-F., R.-S. Lin, M.-L. Bai, 2006. *Habitat Preference and Distribution Prediction of Vulnerable Fairy Pitta (Pitta nympha) in Taiwan by Remote Sensing and GIS. 2005 Conference on Remote-Sensing and Application Projects of Council of Agriculture(Forestry Bureau), Taipei.* (798178007, CN)
- Lee, P.-F., Y.-H. Pen, K.-Y. Lue, W.-H. Chou, C.-R. Chang, 2000. *The Distribution Pattern and Biodiversity of Taiwan Amphibians. National Museum of Natural Sciences, Taichung.* (798178007, CN)

- *Legusia falcata* in *Folia Bot. Extremadurensis* 2: 63-64 (2008) (797396385, ES)
- León-Cortés, J.L., Kitching, I.J. & Molina-Martínez, A. 2006. Distribution patterns of Sphingidae in Mexico. Pp. 629-647, in: Llorente-Bousquets, J. & Morrone, J.J. (eds), *Componentes bióticos principales de la entomofauna mexicana*, volume 2. Facultad de Ciencias, Universidad Nacional Autónoma de México, México, D.F. ix + 1025 pp, 2 vols. (796675742, EN)
- *Lepidoptera monography* (806487291, ES)
- Les données informatisées sur la flore africaine et malgache à l'Herbier de Paris par M. Pignal, J.-N. Labat, H. Falaise, C. Cusset, F. Rakotondrainibe et O. Poncy (Systematics and Geography of Plants 71 Plant systematics and phytogeography for the understanding of African biodiversity : Proceedings of the XVIth AETFAT Congress, held in 2000 at the National Botanic Garden of Belgium edit. and introd. by Elmar Robbrecht, Jérôme Degreef and Ib Friis NBGB , 2002 71,2(2002): 345-356 : tab., fig., drawings, fotogr.) (799348997, FR)
- Leu, M.- Y., 2005. *Larval fish assemblages in the coastal waters around Dongsha Atoll (Pratas Island), South China Sea. Platax, Monograph 1: 25-32.* (800431260, CN)
- Leu, M.- Y., C- H. Liou and L.- S. Fang, 2005. *Embryonic and larval development of the malabar grouper, Epinephelus malabaricus (Pisces: Serranida). J. Mar. Biol. Ass. U.K., 85(5): 1249-1254.* (800431260, CN)
- Leu, M.- Y., Liou, C- H., Wang, W.- H., Yang , S.- D. and Meng, P.- J., 2009. *Natural spawning, early development, and first feeding of the semicircle angelfish [Pomacanthus semicirculatus (Cuvier, 1831)] in captivity. Aquacult. Res., (in press)* (800431260, CN)
- Leu, M.-Y., Fang, L- S. and Mok, H.- K., 2008. *First record of Schindleria pietschmanni (Schindler, 1931) (Actinopterygii: Schindleriidae) from Taiwan. Platax 5:15-21.* (800431260, CN)
- Leu, M.-Y., Y. Ju, C.- N. Lin and L.-S. Fang. 2006. *First offshore record of Nessorhamphus ingolfianus (Schmidt, 1912)(Derichthyidae) leptocephalus larva in the Taiwan Shallow Bank. Platax, 3:25-30* (800431260, CN)
- Leunda PM, Miranda R & Oscoz J 2007. Occurrence and conservation of the threatened endemic fish *Cobitis calderoni* in the Erro River (Ebro Basin, Spain). *Cybiurn* 31: 13-18. (806550563, ES)
- Leunda PM, Oscoz J, Elvira B, Agorreta A, Perea S, Miranda R, 2008. Feeding habits of the exotic black bullhead in the Iberian Peninsula: first evidence of direct predation on native fish species. *Journal of Fish Biology* 73, 96-114. (806550563, ES)
- Leunda PM, Oscoz J, Miranda R, Ariño AH. 2009. Longitudinal and seasonal variation of the benthic macroinvertebrate community and biotic indices in an undisturbed Pyrenean river. *Ecological Indicators* 9, 52-63. (806550563, ES)
- Levkov Z, Blanco S, Krstic S, Nakov T, Ector L 2007 Ecology of benthic diatoms from Lake Prespa (Macedonia). *Arch. Hydrobiol. Suppl. Algol. Stud.* 124: 71-83 (804267043, ES)
- Li Huirong, Yu Yong, Chen Bo, Zeng Yinxin, Ren Daming (2005) Molecular genetic diversity of bacteria in the bottom section of arctic sea ice from the Canada Basin. *Acta Oceanologica Sinica*, 24(6): 153-161 (789837375, EN)
- Libro de la Biodiversidad (802534229, ES)
- Libro Estudio de caso Aguascalientes (793243372, ES)
- Libro Estudio de caso Morelos (793243372, ES)
- Libro la Biodiversida del Eje Neovolcánico (793243372, ES)
- Libro la biodiversidad de México (793243372, ES)
- Libro Rosso (Red Book) degli Insetti della Toscana - Sforzi & Bartolozzi, 2001 (805754411, EN)
- Libro studio de caso Michoacan (793243372, ES)
- Liede, S. & Meve, U. 2004a: Revision of *Metastelma* (Apocynaceae – Asclepiadoideae) southwestern North and Central America. *Ann. Missouri Bot. Gard.* 91(1): 31-86. (789950710, EN)
- Liede-Schumann, S. & Breckle, S.-W. 2008. General Introduction to the Provisional checklists of flora and fauna of the San Francisco Valley and its surroundings (Reserva San Francisco / Prov. Zamora -Chinchipe, southern Ecuador). Pp. 5-15 in: Liede-Schumann, S. & Breckle, S.-W.

- (eds.) Provisional checklists of Flora and Fauna of the San Francisco Valley and its Surroundings. *Ecotropical Monographs* 4. Society for Tropical Ecology. (789950710, EN)
- Liede-Schumann, S. & Meve, U. 2008. Nomenclatural novelties and one new species in *Orthosia* (Apocynaceae, Asclepiadoideae). *Novon* 18: 202-210. (789950710, EN)
 - Liede-Schumann, S. 2006. *Blyttia*, *Calciphila*, *Cynanchum*, *Goydera*, *Pentarrhinum*, *Pleurostelma*, *Schizostephanus*. In: THULIN, M. (ed.) *Flora of Somalia*, fam. 115, Apocynaceae. (789950710, EN)
 - Lilloana (790470866, ES)
 - Lim, B.K. 2008. Historical biogeography of New World emballonurid bats (Tribe Diclidurini): taxon pulse diversification. *Journal of Biogeography*, 35:1385-1401. (804330245, EN)
 - Lim, B.K. and M.D. Engstrom. 2003. Mammals. Pp. 14-15, in *Conservation priorities for the Guayana Shield: 2002 consensus* (Huber, O., and M. N. Foster, eds.). Conservation International, Washington, DC. (804330245, EN)
 - Lim, B.K. and M.D. Engstrom. 2005. Mammals of Iwokrama Forest. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 154:71-108. (804330245, EN)
 - Lim, B.K. Environmental assessment at the Bakhuis bauxite concession: small-sized mammal diversity and abundance in the lowland humid forests of Suriname. *The Open Biology Journal*. (804330245, EN)
 - Lim, B.K., and M.D. Engstrom. 2001. Bat community structure at Iwokrama Forest, Guyana. *Journal of Tropical Ecology*, 17: 647-665. (804330245, EN)
 - Lim, B.K., M.D. Engstrom, J.W. Bickham, and J.C. Patton. 2008. Molecular phylogeny of New World emballonurid bats (Tribe Diclidurini) based on loci from the four genetic transmission systems in mammals. *Biological Journal of the Linnean Society*, 93:189-209. (804330245, EN)
 - Lira-Noriega, A., J. Soberón, A. G. Navarro, Y. Nakazawa & A.T. Peterson. 2007 Scale-dependency of diversity components estimated from primary biodiversity data and distribution maps. *Diversity and Distributions* 13: 185-195. (804239602, ES)
 - Lisbet Díaz Asencio, Miguel Gómez-Batista, Raúl Fernández Garcés (2005): *Moluscos del litoral de la Bahía de Cienfuegos, Cuba*. *Cocuyo* 15, 27-31, 2005 (ISSN 1607-2863) (788253335, ES)
 - *List of plants of the Sierra de Santa Rosa, Guanajuato, México* (790716449, ES)
 - *List of species of Doñana* (810126145, ES)
 - Liu, J., Li. S. & Jäger, P. (2008): The true female of *Heteropoda squamacea* Wang, 1990 (Araneae: Sparassidae). — *Zootaxa* 1909: 65–68. (789954185, EN)
 - Loguercio-Leite, C., Campos-Santana, M., Gerlach, A., Gutjahr, M., Baltazar, J.M., Trierveiler-Pereira, L., Drechsler Santos, E. Los basidiomicetes xilofilos y las formaciones forestales en Santa Catarina, Brasil In: VI Congreso Latinoamericano de Micología, 2008, Mar del Plata. VI CLAM Congreso Latinoamericano de Micología. Mar del Plata, Argentina: alm-ic- ALM, 2008. v.01. p.167 - 167 (804198863, ES)
 - Loguercio-Leite, C., Michels, J., Baltazar, J.M. Austro-American lignolitic polypores (Agaricomycetes) – new records for Southern Brazil. *Mycotaxon.*, v.104, p.205 - 213, 2008. (804198863, ES)
 - López-Pérez J. J., 2007. Corología de las especies de *Blaps* Fabricius, 1775 (Coleoptera, Tenebrionidae, Tenebrioninae) en la provincia de Huelva. *SAE* 15: 79-86 (807122567, ES)
 - López-Pérez J. J., 2007. Nuevos registros de Histeridae Gyllenhal, 1808 (Coleoptera) para la provincia de Huelva (Andalucía occidental). *SAE* 15: 7-19 (807122567, ES)
 - Lopez-Perez, J. J. 2007. Nuevos e interesantes registros de Lagriinae (Coleoptera: Tenebrionidae) para la provincia de Huelva, Andalucía, Sur-Oeste de España. *Boln. Asoc. esp. Ent.*, 31 (3-4): 283-287. (807122567, ES)
 - López-Pérez, J. J. y García Casas, J., 2007. Una nueva especie para Europa continental y la Península Ibérica: *Calomera lunulata* (Fabricius, 1781) de la Isla de Saltés, Huelva, Andalucía (Coleoptera: Cicindelidae). *Boln. Asoc. esp. Ent.*, 31 (1-2): 127-134. (807122567, ES)

- Lopez-Perez, J. J., 2005b. Nueva especie de Histeridae Saprinus (Saprinus) chalcites (Illiger, 1807), (Coleoptera: Histeridae) para Andalucía (Sur-oeste Español). Bol. SAE, 13: 75-76. (807122567, ES)
- Lopez-Perez, J. J., 2006. Nuevos registros de Cléridos (Coleoptera Cleridae) para la provincia de Huelva (Andalucía occidental). Boln. Asoc. esp. Ent. 30 (1-2): 211-214. (807122567, ES)
- López-Pérez, J. J., 2007a. Estudio de los cicindélidos de la Isla de Saltés, Parque Natural Marismas del Odiel, Huelva (Andalucía), Suroeste Ibérico (Coleoptera: Cicindelidae). SEA 41: 465-467. (807122567, ES)
- López-Pérez, J. J., 2007b. Corología de los Phoracanthini (Coleoptera: Cerambycidae) en la provincia de Huelva (Andalucía, suroeste de España). SEA 41: 441-443. (807122567, ES)
- Lopez-Perez, J. J., 2008. Nuevos registros de Cleroidea (Coleoptera) para la provincia de Huelva (Andalucía, España). Boln. Asoc. esp. Ent., 32 (1-2): 187-192 (807122567, ES)
- Lopez-Perez, J. J., 2009. Catálogo corológico de los cerambícidos (Coleoptera, Cerambycidae) de la provincia de Huelva (S. O. de Andalucía). Albolafia 2: 1-27. (807122567, ES)
- Los Peces Caribes de Venezuela. Universidad Central de Venezuela, CDCH, 1996.149 pp. (A. Machado-Allison y W. Fink). (804691270, ES)
- Louzada, Júlio Neil Cassa ; Lopes, F. S. ; Vaz-De-Mello, F. Z. . Structure and composition of a dung beetle community (Coleoptera, Scarabaeidae) in South-Pantanal, Mato Grosso do Sul, Brazil. Revista Brasileira de Zoociências, v. 9, p. 199-203, 2007. (788526261, ES)
- Luís L., Sim-Sim M., Figueira R. & Bergamini A. (2008). Additive partitioning and biodiversity patterns on Madeira Island: the case of bryophyte communities from streams. EURECO-GFOE, Leipzig (Germany), 15 - 19 September. (808236440, EN)
- Lutz, V. ..., M.A.Scelzo y 2003. Perspectives of marine biodiversity studies in Argentina. Gayana 67(2):371-382. Concepción. Chile. (804372510, ES)
- Lloris, D. 1986. Ictiofauna demersal y aspectos biogeográficos de la costa sudoccidental de África. (S.W.A./Namibia). Monogr. Zool. Mar. vol. I: 9-432 pp., I-CCI tab., (Libro: ISBN 84-00-06188-8). (808821546, ES)
- Lloris, D., J. Matallanas, P. Oliver. 2005. Hakes of the world (Family Merlucciidae). An annotated and illustrated catalogue of hake species known to date. FAO Catalogue for Fishery Purposes. Nº 4. Rome, FAO: 57p. XII colour plates. (Libro: ISBN 92-5-104984-X) (808821546, ES)
- Lloris, D., J. Rucabado, H. Figueroa. 1991. Biogeography of the Macaronesian Ichthyofauna (The Azores, Madeira, the Canary islands, Cape Verde and the African Enclave). Bol. Mus. Mun. Funchal., 43(234): 191-241. (808821546, ES)
- Lloris, D., J. Rucabado. 1979. Especies ictiológicas de las expediciones pesqueras realizadas en la plataforma del NW de África (1971 - 1975). Res. Exp. Cient. Cornide, (8): 3-151. (808821546, ES)
- Lloris, D., J. Rucabado. 1987. Iluocoetes facali sp. n. (Osteichthyes, Zoarcidae), una nueva especie para la ictiofauna Argentina. Thalassas. 5 (1): 53-56. (808821546, ES)
- Lloris, D., J. Rucabado. 1991. Ictiofauna del Canal Beagle (Tierra del Fuego). Aspectos ecológicos y Análisis biogeográfico. Publ. Espec. I.E.O. nº 8: 182 pp. (LIBRO: ISBN 84-7479-896-5). (808821546, ES)
- Lloris, D., J. Rucabado. 1998. Guide FAO d'identification des espèces pour les besoins de la peche. Guide d'Identification des Ressources Marines Vivantes du Maroc. Rome, FAO, 1998: 263 p., 28 planches en couleur. (LIBRO: ISBN 92-5-204162-1) (808821546, ES)
- Lloris, D., L. Gil De Sola, J. Rucabado. 2000. Ichthyofauna caught during the MEDITS-ES cruises (1994 to 1997) in the Iberian Western Mediterranean. Actes de Colloques d'Ifremer. 26: 100-107. (808821546, ES)
- Lloris, D., L. Gil De Sola. (en prensa). Ictiogeografía Mediterránea. In: L. Gil de Sola, E. Ferrandis, D. Lloris (Edit.). Atlas de las especies demersales de interés comercial del Mediterráneo español. Campañas MEDITS-ES (1994 - 2003). Informes y Estudios COPEMED nº 12. FAO, Roma. (Libro colectivo) (808821546, ES)
- M. Karaman, 2004: Checklist of known species of ants (Hymenoptera, Formicidae) in the fauna of Montenegro. - Natura Montenegrina, Podgorica, 3, 2004, 83-92. (807306375, EN)

- M. Romeralo & C. Lado (2008). The biodiversity of Dictyostelids in a Spanish Biosphere Reserve. *Nova Hedwigia* 87(1-2): 247-259. (807636396, ES)
- M.I.Zuberi and A. Akter 2007. An account of alien invasive species (AIS) of flowering plants in Bangladesh. *Plant Environment Development*, 1, 67-74 (804862322, EN)
- M.I.Zuberi and F.Ferdous. 2007. Status of sexual reproduction in *Oxalis corniculata* in Bangladesh. *Plant Environ Dev.* 1. 99-108. (804862322, EN)
- Machado-Allison, A. 2005. Los Peces de los llanos de Venezuela. Un ensayo sobre su historia natural. Univ. Central-CDCH. ISBN 980002235X (804691270, ES)
- Maidana, N. I. & Seeligmann, C. 2006. Diatomeas (Bacillariophyceae) de ambientes acuáticos de altura de la Provincia de Catamarca, Argentina II. *Bol. Soc. Argent. Bot.* 41 (1-2): 1 - 13. (804325205, ES)
- Maidana, N. I., I. Izaguirre, A. Vinocur, G. Mataloni & H. Pizarro. 2005. Diatomeas en una transecta patagónico-antártica. *Ecología Austral* 1: 159-176 (804325205, ES)
- Maidana, N. I.; V. Diáz Villanueva & K. Krammer. 2002. Taxonomy and valve structure of *Cymbella neuquina* Frenguelli (Bacillariophyceae). *Nova Hedwigia* 74 (3-4): 339-348. (804325205, ES)
- *Mammal guides for West Africa* (801885680, FR)
- *Mammal Study, Parc Natural del Túrria FASE 1-2009* (808611345, ES)
- *Management of Endangered Flora:*
http://www3.unileon.es/dp/dbv/CBPC2007/Poster/Poster_Lorda_etal_Navarra.pdf (809335155, ES)
- Mantelatto, F., R.Biagi, A.L.Meireles & M.A.Scelzo. 2007. Shell preference of the hermit crab *Pagurus exilis* (Anomura, Paguridae) from Brazil and Argentina: a comparative study. *Tropical Biol.Rev.(Int.J.Trop.Biol.)* 55:153-162. Costa Rica.(2006). ISI IF=0.322. ISSN 0034-7744. (804372510, ES)
- *Manuripi Biological Inventory* (788855019, ES)
- many other examples (793276439, EN)
- Mapping of biological processes at the Victoria Falls in Zambia (804059449, EN)
- *Maps of Priority Terrestrial regions* (793172196, ES)
- maps, graphs and tables (788674644, EN)
- Martínez , S., Rojas A., Ubilla M., Verde M., Perea D. & Piñeiro G. 2006. Molluscan assemblages from the marine Holocene of Uruguay: composition, geochronology and paleoenvironmental signals. *Ameghiniana*, 43 (2): 385-398. (804220218, EN)
- Martínez, S. 2008. Shallow water Asteroidea and Ophiuroidea of Uruguay: composition and biogeography. *Revista de Biología Tropical/International Journal of Tropical Biology*, 56 (suppl.3): 205-214. (804220218, EN)
- Martínez, S. & C.J. del Río. 2002. Late Miocene Molluscs From the Southwestern Atlantic Ocean (Argentina and Uruguay): A Palaeobiogeographic Analysis. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 188 (3-4): 167-187. (804220218, EN)
- Martínez-Ortí, Gómez-Moliner & Prieto. 2007. El género *Pyramidula* Fitzinger, 1833 (Gastropoda, Pulmonata) en la Península Ibérica. *Iberus*, 25 (1): 77-87. (807617434, ES)
- Mas-Coma, S. & Feliu, C., *Revista Ibérica de Parasitología* (1977), 37 (3-4): 301-317. (809915108, ES)
- Maseru City Environment Outlook Report 2005 (803312430, EN)
- Mata Zayas, Ena E. and Miguel Franco. The distribution of phylogenetic diversity of Mexican mammals. Biodiversity in an Ecosystem Context Conference. European Ecological Federation and Ecological Society of Germany, Austria and Switzerland. Leipzig, Germany. 2008 (809098595, ES)
- Mata Zayas, Ena E. y Miguel Franco. Diversidad filogenética y conservación de los mamíferos de México. XI Congreso Nacional de la Asociación Mexicana de Mastozoología. A.C. 2008 (809098595, ES)

- Mata Zayas, Ena E. y Miguel Franco. The distribution of phylogenetic diversity of mammals in Mexico and its implications for conservation. 21st Annual Meeting of the Society for Conservation Biology. Port Elizabeth, Sudáfrica. Julio, 2007. (809098595, ES)
- Mateo Cid, L.E., A.C. Mendoza González, R. Aguilar-Rosas y L.E. Aguilar-Rosas. 2006. Algas marinas bentónicas de Puerto Peñasco, Sonora, México. *Hidrobiológica* 16(3) 45:65. (791200661, ES)
- Mating call of *Rana saharica* in Libya (804780925, EN)
- Melic, A. & J. Barriga 2006. Arañas nuevas o interesantes de la fauna ibérica (Araneae: Gnaphosidae y Corinnidae). *Revista Ibérica de Aracnología*, 13: 195 - 197 (796603939, ES)
- Melic, A., Baquero, E., Jordana, R. Sobre la aparente extinción 'atlántica' de la araña viuda negra y primer registro de la especie para Navarra y La Rioja (Araneae: Theridiidae: Latrodectus). *Boletín Sociedad Entomológica Aragonesa*, 39: 402-403. (806267880, ES)
- Mémento du Forestier (801885680, FR)
- Méndez, I., Lira, R., Godínez-Álvarez, H., Dávila, P. y E. Ortiz. 2006. Proposal for the establishment of the core zones in the Biosphere Reserve of Tehuacán-Cuicatlán, Mexico. *Biodiversity and Conservation* 15: 1627-1659. (790473914, ES)
- Mercedes Cano Mallo, Olga Valdés Iglesias, Jhoana Díaz Larrea, Maria Elena Miravet, Thierry Chopin, Miguel Gómez-Batista. Ecología y aprovechamiento potencial de *Ulva fascista* Delile. 5th Congress on Marine Sciences, Marcuba 2000, 4-8 December 2000, La Habana (Cuba) (788253335, ES)
- Mercure, M. & A. Bruneau. 2008. Hybridization between the escaped *Rosa rugosa* (Rosaceae) and the native *R. blanda* in eastern North America. *American Journal of Botany* 95: 597-607. (801091995, FR)
- Meve, U. & Liede, S. 2002. Floristic exchange between mainland Africa and Madagascar: A case study of Apocynaceae - Asclepiadoideae. *J. Biogeogr.* 29: 865-873. (789950710, EN)
- *Mice study (micophagy)* (806794474, ES)
- Millenium Seed Bank <http://www.kew.org/msbp/index.htm> (808459923, EN)
- *Ming-Chih Chiu, Mei-Hwa Kuo*, Yuan Hsun Sun, Shiao Yu Hong, and Hih-Chuan Kuo. 2008. Effects of flooding on avian top-predators and their invertebrate prey in a monsoonal Taiwan stream. Freshwater Biol. 53: 1335-1344..* (800458689, CN)
- Miñarro, M., Espadaler, X., Melero, V.X., V. Suárez-Álvarez, V. 2009. Organic vs. conventional management in an apple orchard: effects of fertilization and tree-row management on ground-dwelling predaceous arthropods. *Agric. Forest. Entomol.* 11: 133-142. (804145490, ES)
- Miquel, J. Torres, J., Casanova, J.C. & Feliu, C. *Helminthologia* (1996): 33 (1): 43-50. (809915108, ES)
- Miranda R, Copp GH, Williams J, Beyer K, Gozlan RE, 2008. Do Eurasian otters *Lutra lutra* (L.) in the Somerset Levels prey preferentially on non-native fish species? *Fundamental and Applied Limnology, Archiv für Hydrobiologie* 172, 339-347. (806550563, ES)
- Miranda R, Galicia D, Pulido-Flores G, Monks S, 2008. First record of *Girardinichthys viviparus*, Chapultepec splitfin, in Lake Tecocomulco. *Journal of Fish Biology* 73, 317-322. (806550563, ES)
- Miranda R, Garcia-Fresca C, Barrachina P, 2006. Summer prey size selection by European otter *Lutra lutra* in Mediterranean habitats. *Mammalia* 70: 315-318. (806550563, ES)
- Misidentifications in *Symplecta* s.str. (Diptera: Limoniidae). A cautionary tale. J. Starý & F. Brodo, 2009. Poster. (788162326, EN)
- Modelado bioclimático como herramienta para el manejo forestal: estudio de caso en cuatro especies de *Pinus* (790716449, ES)
- Modelos predictivos de distribución de especies en diferentes escenarios climáticos: <http://www.fao.org/agris/search/display.do?f=../2002/v2810/ES2002002188.xml;ES2002002188> (809335155, ES)
- Mok, H.K., H.Y. Yu, J.P. Ueng, and R.C. Wei. 2009. Characterization of Sounds of the Blackspotted Croaker *Protonibea diacanthus* (Sciaenidae) and Localization of Its Spawning Sites in the Estuarine Coastal Waters of Taiwan. *Zool. Studies*, 48(3): 325-333. (800589859, CN)

- Molecular cytogenetic analysis of the highly repetitive DNA in the genome of *Apodemus argenteus*, with comments on the phylogenetic relationships in the genus *Apodemus*. *Cytogenet Cell Genet* 92: 254-263 (2001). (798974674, EN)
- Molecular cytogenetic characterization and chromosomal distribution of the satellite DNA in the genome of *Oxya hyla intricata* (Orthoptera: Catantopidae). *Cytogenet Genome Res* 112: 160-165 (2006). (798974674, EN)
- Monclús, C.; Larrayad, R.; Villalta, M.; Blasco, J.M.; Cortey, M.; García-Marín, J.L. "Caracterización genética de las poblaciones de trucha común autóctona (*Salmo trutta*) presentes en Aragón." ITEA: información técnica económica agraria. *Producción animal*, ISSN 1130-6009 22 (2001): 139-141. (810102198, ES)
- Mondal.A, G.P.Ghosh and M.I.Zuberi 2006. Phylogenetic Relationship of different kakrol collections of *Bnagladfesh* Pakistan *J. Biol.Sci.* 9(8), 1516-1524 (804862322, EN)
- Mondal.A, G.P.Ghosh and M.I.Zuberi 2007. Genetic relationship between wild and cultivated kakrol (*Momordica dioica* Roxb) Cucurbitaceae. *Plant Environ Dev* 1(1) : 13-19 (804862322, EN)
- Monitoring International Wildlife Trade with Coded Species Data - <http://dx.doi.org/10.1111/j.1523-1739.2007.00857.x> (810014479, FR)
- *Monitoring Reproductive Status in Captive Formosan Black Bears (Ursus thibetanus formosanus) Using Fecal Steroid Hormones* (803303936, CN)
- Monitoring water quality using benthic macroinvertebrates and physicochemical parameters of the Behzat Stream (Tokat, N TURKEY).” *Polish Journal of Environmental Studies* 15 (5), 709-717 (2006). (804138441, EN)
- Montoliu, I. & Feliu, C. *Circular Farmacèutica* (1986), 44 (290): 11-16. (809915108, ES)
- Moraza ML, Iraola V, Alemany C, 2009. A new species of *Ljunghia* Oudemans, 1932 (Arachnida, Acari, Laelapidae) from a mygalomorph spider. *Zoosystema* 2009; 31(1): 117-26. (806753199, ES)
- Moré, M., Kitching, I.J. & Cocucci, A. 2005. Sphingidae: Esfíngidos de Argentina. *Hawkmoths of Argentina*. L.O.L.A. (Literature of Latin America), Buenos Aires, Argentina. xvi + 166pp. (796675742, EN)
- Moreno Saiz, J.C. & J.M. Lobo (2008). Iberian pteridophyte regions and their explanatory variables. *Plant Ecol.* 198:149–167. (799744522, ES)
- Moretto, H. & M.A. Scelzo. 2004. Gusanos Nemertinos. Capítulo 12 del libro “La vida Entre Mareas: vegetales y animales de las costas de Mar del Plata, Argentina”, pgs. 107-111. E.E.Boschi y M.B.Cousseau (Eds), *Publicaciones Especiales del INIDEP*, Mar del Plata, Argentina (ISBN 987-20245-6-1). (804372510, ES)
- Morón, M.A. (Editor). 2003. Atlas de los escarabajos de México. Coleoptera Lamellicornia. Vol. 2 Familias Scarabaeidae, Trogidae, Passalidae, Lucanidae. Arganiaa Editio, Barcelona. 227 pp. (790472947, ES)
- Morón, M.A. 2006. Revisión de las especies de *Phyllophaga* (*Phytalus*) grupos obsoleta y pallida (Coleoptera: Melolonthidae: Melolonthinae). *Folia Entomologica Mexicana* 45 (suplemento 1): 1-104 (790472947, ES)
- Morón, M.A. B.C. Ratcliffe, y C. Deloya. 1997. Atlas de los escarabajos de Mexico. Coleoptera: Lamellicornia, Vol. 1 familia Melolonthidae. CONABIO y SME, México.280 pp. (790472947, ES)
- morphmetric analysis of water frog (804780925, EN)
- Morrone J. J. y T. Escalante. 2002. Parsimony Analysis of Endemicity (PAE) of Mexican terrestrial mammals at different area units: when size matters. *Journal of Biogeography* 29(8): 1095-1104. (793316601, ES)
- Mota, J.F. et al. 2007. Contribución al conocimiento de la pteridoflora de Andalucía: sobre el género *Ophioglossum* en Almería. *Acta Botanica Malacitana* 32:245-251 (809182613, ES)
- MOU (Memorandum of Understanding) with the National Park Service Gulf Coast Network (GULN) to hold and curate all GULN plant and fungal specimens at LSU on “permanent indefinite loan” (790300687, EN)

- Murray-Smith, C., Brummitt*, N.A., Oliveira-Filho, A.T., Bachman, S., Moat*, J., Lughadha*, E.M.N. & Lucas*, E.J. (2009). Plant diversity hotspots in the Atlantic coastal forests of Brazil. *Conservation Biology* 23: 151-163. (808459923, EN)
- Murray-Smith, C., Lucas, E.J., Brummitt, N.A., Oliveira-Filho, A.T., Bachman, S. Nic Lughadha, E.M., Moat, J. 2009. Plant diversity hotspots in the Atlantic coastal forests of Brazil. *Conservation Biology*. Volume 23(1), 151 – 163. (810034473, EN)
- Musselman, L.J, R. D. Bray & W. C Taylor. The genus *Isoetes* (Lycophyta) in the southeastern US. *SE Biology*, Vol 54, #3, 2007 (791160134, EN)
- my dissertation -- Trilliaceae systematics (Delostylis group) (804273853, EN)
- Myers AA & Hall-Spencer JM (2004) A new species of amphipod crustacean, *Pleusymtes comitari* sp. nov., associated with *Acanthogorgia* sp. gorgonians on deep-water coral reefs off Ireland. *Journal of the Marine Biological Association of the UK*. 84, 1029-1032 (802675589, EN)
- Nakazawa, Y., A. T. Peterson, E. Martínez-Meyer & A. G. Navarro. 2004. Seasonal Niches of Nearctic Neotropical Migratory Birds: Implications for the Evolution of Migration. *Auk* 121(2):610-618. (804239602, ES)
- Nassar, J. M., J. P. Rodríguez, A. Sánchez-Azofeifa, T. Garvin and M. Quesada (eds.) (2008) *Manual of Methods: Human, Ecological and Biophysical Dimensions of Tropical Dry Forests*. Ediciones IVIC, Instituto Venezolano de Investigaciones Científicas (IVIC), Caracas, Venezuela. 135 pp. (790316793, EN)
- national biodiversity strategy (803653262, EN)
- *National Strategy of Biodiversity* (802534229, ES)
- Nativi, S., P. Mazzetti, H. Saarenmaa, J. T. Kerr, and E. O Tuama. 2009. Biodiversity and climate change use scenarios framework for the GEOSS interoperability pilot process. *Ecological Informatics* 4:23-33. (803743468, EN)
- Nativi, S., P. Mazzetti, H. Saarenmaa, J. T. Kerr, H. Kharouba, E. O Tuama, & S.J.S. Khalsa. 2007. Predicting the impact of climate change on biodiversity - a GEOSS scenario. *The Full Picture*. Published by Tudor Rose Press for Group on Earth Observations. (803743468, EN)
- *Natural environments management* (807602390, ES)
- Navarrete H., D. y Gonzalo Halffter. 2008. Nuevos registros de escarabajos copro-necrófagos (Coleoptera: Scarabaeidae: Scarabaeinae) para México y Chiapas. *Acta Zoológica Mexicana* (n.s.) 24(1): 247-250 (810201330, ES)
- Navarrete, G. and G. Halffter. 2008. Dung beetle (Coleoptera: Scarabaeidae: Scarabaeinae) diversity in continuous forest, forest fragments and cattle pastures in a landscape of Chiapas, Mexico: the effects of anthropogenic changes. *Biodivers Conserv*, 17: 2869-2898 (810201330, ES)
- Navarro, A.G., A. T. Peterson y A. Gordillo-Martínez. 2003. Museums working together: the atlas of the birds of Mexico. Pp. 207-225 In: Collar, N., C. Fisher, and C. Feare (Eds.) *Why museums matter: avian archives in an age of extinction*. *Bulletin British Ornithologists' Club Supplement* 123A. (804239602, ES)
- Navas G. R., A. Bermúdez, N. Cruz & N. H. Campos. 2003. Galatéideos (Decapoda, Anomura, Galatheidae) del Caribe colombiano, incluyendo doce primeros registros. *Boletín de Investigaciones Marinas y Costeras*. ISSN 0122-9761. Santa Marta. 32: 183-218 (805186352, ES)
- Navas, G.R., A. Bermúdez, N.H. Campos & M. Fierro Rengifo. 2007. Los Galatheidae y Chirostylidae. Pp. 228-232. En: *Invemar 2007. Informe del Estado de los Ambientes Marinos y Costeros en Colombia: Año 2006*. Serie de Publicaciones Periódicas No. 8. Santa Marta, 378 Pág. ISSN: 1692-5025 (805186352, ES)
- Nel J.L., Smith-Adao L., Roux D.J., Adams J., Cambray J.A., de Moor F.C., Kleynhans C.J., Kotze I., Maree G., Moolman J., Schonegevel L.Y., Smith R.J. and Thirion C. 2006 Nov. [2007 Feb] *Conservation Planning for River and Estuarine Biodiversity in the Fish-to-Tsitsikamma Water Management Area*. Water Research Commission Report TT 280/06, Water Research Commission, Pretoria, South Africa. iv + 106 pp. (798217342, EN)
- Nemkov, P.G., and W.J. Pulawski. 2009. A cladistic analysis of Gorytina (Hymenoptera: Crabronidae: Bembicini), with a reclassification of the subtribe. *Zootaxa* 2009:1-17. (805197173, EN)

- Neotropical Herbarium Specimens (789488116, ES)
- New Records Of Shrimps (Decapoda: Caridea And Dendrobranchiata) In Deep Waters Off Chile. Gayana (Concepc.)2005, vol. 69, no. 2, pp. 285-290. (79096987, ES)
- New Species of Eustomias (Teleostei: Stomiidae) from the Western North Atlantic, with a Review of the Subgenus Neostomias. Tracey T. Sutton and Karsten E. Hartel. 2004 American Society of Ichthyologists and Herpetologists. (791208480, EN)
- Newmaster, S.G and S. Ragupathy. Testing Plant Barcoding in a Sister Species Complex of Pantropical Acacias (Mimosoideae, Fabaceae) Molecular Ecological Resources 9 (Suppl. 1),164–171 (doi: 10.1111/j.1755-0998.2009.02641.x). 2009. (804609055, EN)
- Newmaster, S.G, B. Velusamy, M. Murugesan and S. Ragupathy. Tripogon cope, a new species of Tripogon (Poaceae: Chloridoideae) in India with a Morphometric analysis and synopsis of Tripogon in India. Systematic Botany 33(4): pp. 695–701. 2008. (804609055, EN)
- Newmaster, S.G, Fazekas, A. Steeves, R. and Janovec, J. Testing Candidate Plant Barcode Regions in the Myristicaceae. Molecular Ecology Notes 8: 480–490. 2008. (804609055, EN)
- Newmaster, S.G, Ragupathy, S., Exploring Ethnobiological Classifications for Novel Alternative Medicine: A case study of *Cardiospermum halicacabum* L. (Modakathon, Balloon Vine) as traditional herb for treating arthritis, Ethnobotany 19: 1-20, 2007 (804609055, EN)
- Newmaster, S.G. and S. Ragupathy. A Botanical Renaissance: State-of-the-art DNA Barcoding Facilitates an Automated Identification Technology (AIT) System for Plants. International Journal of Computer Applications in Technology 35(1):50-60. 2009 (804609055, EN)
- Newmaster, S.G. and S. Ragupathy. Flora Ontario Integrated Botanical Information System (FOIBIS). OAC Herbarium, Biodiversity Institute of Ontario, Guelph, ON. [http://www.uoguelph.ca/foibis]. 2006. (804609055, EN)
- Nguyen, L. P. T., F. Saito, J. Kojima and J. M. Carpenter. 2006. Vespidae of Viet Nam (Insecta: Hymenoptera) 2. Taxonomic notes on Vespinae. Zoological Science 23: 95-104. (788046697, EN)
- Nguyen, L. P. T., J. Kojima, F. Saito and J. M. Carpenter. 2006. Vespidae (Hymenoptera) of Vietnam 3: Synoptic key to the Vietnamese species of the polistine genus *Ropalidia*, with notes on taxonomy and distribution. Entomological Science 9 (1): 93-107. (788046697, EN)
- Nikolaev A.I., D.P. Andrianov, I.A. Burtsev, L.R. Kopylenko, B.N. Kotenev and A.S. Safronov, 2008. International trade in caviar and business perspectives in Russia. In book: Biology, Conservation and Sustainable Development of Sturgeons. Series: Fish & Fisheries Series, Vol. 29. Carmona, R.; Domezain, A.; Garcia-Gallego, M.; Hernando, J.A.; Rodriguez, F.; Ruiz-Rejón, M. (Eds.), XVIII, p. ... (802155271, RU)
- Noctuidae Europaea (807271476, ES)
- Nørgaard, T., Henschel, J.R. & Jäger, P. (2008): Nomenclatural mating: *Leucorchestris kochi* Lawrence 1965 is a synonym of *Leucorchestris arenicola* Lawrence 1962 (Araneae: Sparassidae). — *Senckenbergiana biologica* 88 (1): 41–44. (789954185, EN)
- Normand, S., Treier, U.A., Randin, C., Vittoz, P., Guisan, A. & Svenning, J.-C. In press. Importance of abiotic stress as a range limit determinant for European plants: insights from species' responses to climatic gradients. *Global Ecology & Biogeography*. (796220458, EN)
- Noticiario Mensual del Museo Nacional de Historia Natural de Chile (790470866, ES)
- O. Frimer & P. Provençal, Les populations d'oiseaux sur le versant est du Causse Méjean, Midi de la France, - avec des remarques sur les observations notoires d'oiseaux dans la région de florac 1998-2001, rapport annuel 2000-2001 (796002966, EN)
- O. Frimer & P. Provençal, Vadefugle ved Århus Østhavn, sommer og efterår 2003-04 – med fokus på almindelig ryles (*Calidris alpina*) efterårstræk, Flora og Fauna 2005, hæfte 111 (2), pp. 25-33. (796002966, EN)
- O'Quinn, R. L., and M. Fishbein. 2009. Isolation, characterization and cross-species amplification of polymorphic microsatellite loci in *Asclepias* (Apocynaceae). *Conservation Genetics* (in press). (789013767, EN)

- Ocampo, F. ; Vaz-De-Mello, F. Z. . The genus *Xenaclopus* Arrow (Coleoptera: Scarabaeidae): redescription and removal from the Aclopininae, with systematic notes. *Zootaxa* (Auckland), v. 1916, p. 57-62, 2008. (788526261, ES)
- Occurrence of *Cryptosporidium* sp. in snakes in Japan. *Parasitol Res* 103: 801-805 (2008). (798974674, EN)
- *Ocean environmental monitoring* (800614907, CN)
- Ocharan, F. J., A. Torralba Burrial & D. Outomuro. 2007. *Brachytron pratense* (Müller, 1764) en la Península Ibérica (Odonata, Aeshnidae). *Boletín de la Sociedad Entomológica Aragonesa*, 41: 307-312. (796600979, ES)
- Ochoa Ochoa, L. M. y O. Flores Villela. 2006. Áreas de diversidad y endemismo de la herpetofauna mexicana. UNAM-CONABIO, México:211 pp. (790526619, ES)
- Oliverio M. (2008). Coralliophilinae (Neogastropoda: Muricidae) from Marquesas Islands. *Journal Of Conchology*, vol. 39; p. 569-584, ISSN: 0022-0019 (804220564, EN)
- Oliverio M. (2008). Coralliophilinae (Neogastropoda: Muricidae) from the South West Pacific. *Memoires Du Museum National D'histoire Naturelle. Serie A, Zoologie*, vol. 196; p. 451-555, ISSN: 0078-9747 (804220564, EN)
- Oliverio M., Barco A, Modica M. V, Richter A, Mariottini P (2009). Ecological barcoding of corallivory by ITS2 sequences: hosts of coralliophiline gastropods detected by the cnidarian DNA in their stomach. *MOLECULAR ECOLOGY RESOURCES*, vol. 9; p. 94-103, ISSN: 1755-098X, doi: 10.1111/j.1755-0998.2008.02388.x (804220564, EN)
- Operational characterization of alien invasive Flora and its management implications *Biodiversity and Conservation* (2008) 17:3181–3194 (788246267, EN)
- Ordenamiento Ecológico del Territorio del municipio de Morelia (795178877, ES)
- Ordenamiento Territorial comunitario del ejido de Tumbisca, Morelia Michoacán (795178877, ES)
- Ordóñez Reséndiz, M.M. 2006. Patrones de distribución de la familia Carabidae (Coleoptera), pp. 93-152. En: Morrone, J.J. y J. Llorente Bousquets (Eds.). *Componentes Bióticos Principales de la Entomofauna Mexicana*, Las Prensas de Ciencias, UNAM, México, D.F. ISBN 970-32-3318-X. (793843006, ES)
- Ordóñez Reséndiz, M.M. y M.A. Eligio García. 2006. Patrones de distribución de la familia Chrysomelidae (Coleoptera), pp. 475-514. En: Morrone, J.J. y J. Llorente Bousquets (Eds.). *Componentes Bióticos Principales de la Entomofauna Mexicana*, Las Prensas de Ciencias, UNAM, México, D.F. ISBN 970-32-3318-X. (793843006, ES)
- *Orthoptera of La Rioja (Spain)* (806684923, ES)
- Oscoz J, Leunda PM, Miranda R & Escala MC 2006. Summer feeding relationships of the co-occurring *Phoxinus phoxinus* and *Gobio lozanoi* (Cyprinidae) in an Iberian river. *Folia Zoologica* 55(4): 418–432. (806550563, ES)
- Oscoz J, Miranda R, Leunda PM 2008. Additional records of eastern mosquitofish *Gambusia holbrooki* (Girard, 1859) for the River Ebro basin (Spain). *Aquatic Invasions* 3(2), 108-112. (806550563, ES)
- P. Provençal & U. G. Sørensen, Medieval record of the Siberian White Crane *Grus leucogeranus* in Egypt, *Ibis* 1998 pp. 333 - 335. (796002966, EN)
- P. Provençal, Ahmed Aarab, Mohamed Idaomar: La méthodologie scientifique en matière zoologique de Jâhiz dans la rédaction de son œuvre *Kitâb al-Hayawân (Le Livre des Animaux)*, *Anaquel de Estudios Arabes* 2003, 14: 5-19 (796002966, EN)
- P. Provençal, Observation af pukkelhval *Megaptera novaeanglia* i Århus bugten. *Flora og Fauna* 1996, 102(3): pp.177-179. (796002966, EN)
- P. Provençal, Observation af Småmundet Gylte Centrolabrus *exoletus* ved Hirsholmene *Flora og Fauna* 2005, 111(2) pp. 35-37 (796002966, EN)
- P. Provençal, Sohalkirurgfiskene, *Naturens Verden*, 2008, nr. 2, pp. 26-29. (796002966, EN)
- P. Provençal, Ynglefugle i galleriskov langs åen i Århus indre by, *Flora og Fauna*, 2008, årgang 114 hæfte 3-4, ss. 53-58 (796002966, EN)

- Pacheco-Rivera, D., y P. Dávila. 2004. Sinopsis de las gramíneas de Oaxaca, México. *Acta Botánica Mexicana* 69: 83-114. (790473914, ES)
- Panbiogeografía y modelado de nichos del orden Didelphimorphia en México (790646093, ES)
- Parra-Quijano, M. Draper, D. Torres, E. & Iriondo JM. (2008) Ecogeographical Representativeness in Crop Wild Relative Ex Situ Collections. In *Crop Wild Relative Conservation and Use*. N. Maxted, S. P. Keller, B. V. Ford-Lloyd, E. Dulloo & J. Iriondo (eds.). CABI Publishing Ser. ISBN-13: 9781845930998. (810758307, ES)
- Participant in rescue and restoration of GCRL herbarium (Gulf Coast Research Lab, University of Southern Mississippi, Ocean Springs, MS) after damage (storm surge) from Hurricane Katrina, NSF SGER PI (###) in collaboration with the University of Mississippi, the University of Southern Mississippi, and the University of Southern Alabama (NSF Project PI Mac Alford) (790300687, EN)
- Participation in zoo studbooks and special breeding programs for at-risk species. (789102013, EN)
- Patterns of morphological and genetic variation among populations of *Myrceugenia fernandeziana* (Myrtaceae) on Masatierra Island: implications for conservation. *Systematic Botany* 27: 534-547. (788118223, EN)
- Paula, A.S., L. Diotaiuti & C. Galvão. 2007. Systematics and biogeography of *Rhodniini* (Heteroptera: Reduviidae: Triatominae) based on 16S mitochondrial rDNA sequences. *Journal of Biogeography*, 34: 699–712. (804217067, EN)
- Paula, A.S., L. Diotaiuti & C.J. Schofield. 2005. Testing the sister–group relationship of the *Rhodniini* and *Triatomini* (Insecta: Hemiptera: Reduviidae: Triatominae). *Molecular Phylogenetics and Evolution*, 35(3): 712–718. (804217067, EN)
- Pautasso M. & Fontaneto D., 2008 – A test of the species–people correlation for stream macro-invertebrates in European countries. *Ecological Applications* 18: 1842–1849. (804139234, EN)
- Pedroche, F.F., P.C. Silva, L.E. Aguilar Rosas, K.M. Dreckman y R. Aguilar Rosas. 2005 Catálogo de las algas marinas bentónicas del Pacífico de México I Chlorophycota. Universidad Autónoma de Baja California, Selección anual para el libro Universitario 2004-2005. 138 pp. (791200661, ES)
- Pedroche, F.F., P.C. Silva, L.E. Aguilar Rosas, K.M. Dreckman y R. Aguilar Rosas. 2008. Catálogo de las algas marinas bentónicas del Pacífico de México. II. Phaeohycota. Universidad Autónoma de Baja California. Mexicali, Baja California. (791200661, ES)
- Peer reviewed publications e.g. visit <http://www.wiomsa.org/?id=726>; <http://www.wiomsa.org/?id=725> (788674644, EN)
- Penchaszadeh, P. E., M. A. Scelzo, G. Palomo, M. Cuevas y M. Cledón. 2007. A review of the intertidal rocky shore community at Mar del Plata (Argentina) characterized by the mussel *Brachidontes rodriguezii* (d'Orbigny, 1846). *The NaGISA World Congress, Japan*, 1: 115-123. (804372510, ES)
- Pérez-García, F.J. et al., 2007. Selection of an endemic flora reserve network and its biogeographical significance in the Baetic ranges (Southern Spain). *Acta Botanica Gallica*, 2007, 154 (4), 545-571 (809182613, ES)
- *Persistent soil seed bank and standing vegetation at high alpine site in the central Chilean Andes (1999)* (813403276, CN)
- Personalmente, en Panamá en un estudio de impacto ambiental, para observar distribución, endemismo y otros. Paper se encuentra en proceso de aceptación. (789263477, ES)
- Peterson, A. T. & A. G. Navarro. 2006. Hundred year changes in the avifauna of the Valley of Mexico, Distrito Federal, Mexico. *HUITZIL* 7(1):4-14. (804239602, ES)
- Peterson, A. T., V. Sánchez-Cordero, E. Martínez-Meyer & A. G. Navarro. 2006. Tracking population extirpations via melding ecological niche modeling with land-cover information. *Ecological Modelling* 195: 229–236 (804239602, ES)
- Peterson, A. T.; O. Flores-Villela; L.S. Leòn-Paniagua; J.E. Llorente-Bousquets; M.A. Luis-Martinez; A.G. Navarro-Sigüenza; M.G. Torres-Chavez and I. Vargas-Fernández. 1993. Conservation priorities in Mexico: moving up in the world. *Biodiversity Letters*. 1:33-38. (790526619, ES)

- Peterson, A.T., A.G. Navarro y H. Benítez. 1998. The need for continued scientific collecting: a geographic analysis of Mexican bird specimens. *Ibis* 140:288-294. (804239602, ES)
- Petřík P. & Bruelheide H. 2006: Species groups can be transferred across different scales. *Journal of Biogeography* 33:1628 - 1642. (799140225, EN)
- Petřík P. & Wild J. 2006: Environmental correlates of the patterns of plant distribution at the mesoscale: a case study from Northern Bohemia (Czech Republic). *Preslia* 78:211 - 234. (799140225, EN)
- Pfister & Eyjólfsson 2007. New records of cup-fungi with comments on some previously reported species. *Nordic Journal of Botany* 25:104-112. doi: 10.1111/j.2007.0107-055X.00094.x (799368736, EN)
- Piercey-Normore, M. D. 2005. Lichens of the Hudson Bay Lowlands: northeastern coastal regions of Wapusk National Park, Manitoba. *Canadian Journal of Botany*. 83:1029-1038. (810715089, EN)
- Piercey-Normore, M. D. 2006. Lichens from the Hudson Bay Lowlands: Diversity in the southeastern peatlands of Wapusk National Park, Manitoba. *Canadian Journal of Botany* 84:1781-1793. (810715089, EN)
- Piercey-Normore, M. D. 2007. The genus *Cladonia* in Manitoba: Exploring taxonomic trends with secondary metabolites. *Mycotaxon*. 101:189-199. (810715089, EN)
- Piercey-Normore, M. D., Coxson, D., Goward, T. and Goffinet, B. 2006. Phylogenetic position of a Pacific Northwest endemic cyanolichen, *Nephroma occultum* (Ascomycota, Peltigerales). *The Lichenologist*. 38:441-456. (810715089, EN)
- Pinder, A.M. (2001). Notes on the diversity and distribution of Australian Naididae and Phreodrilidae (Oligochaeta: Annelida). *Hydrobiologia* 463: 49-64. (805778517, EN)
- Pinder, A.M. (2005). A review of biodiversity in wetlands with organic sediments on the Swan Coastal Plain, Western Australia, with an emphasis on aquatic invertebrates. *Journal of the Royal Society of Western Australia* 88: 129-132. (805778517, EN)
- Pinder, A.M., Halse, S.A., McRae, J.M. and Shiel, R.J. (2004). Aquatic invertebrate assemblages of wetlands and rivers in the Wheatbelt region of Western Australia. *Records of the Western Australian Museum* 67: 7-37. (805778517, EN)
- Pinder, A.M., Halse, S.A., Shiel, R.J. and McRae, J.M. (2000). Granite outcrop pools in south-western Australia: foci of diversification and refugia for aquatic invertebrates. *Journal of the Royal Society of Western Australia* 83: 149-161. (805778517, EN)
- Pineda, e. & J.M. Lobo. 2009. Assessing the accuracy of species distribution models to predict amphibian species richness patterns. *Journal of Animal Ecology* 78: 182-190 (790126880, ES)
- Pintaud, J.C., Galeano, G., Balslev, H., Bernal, R., Borchsenius, F., Ferreira, E., de Granville, J.J., Mejía, K., Millán, B., Moraes, M., Noblick, L., Stauffer, F.W. and Kahn, F. 2008. Las palmeras de América del Sur: diversidad, distribución e historia evolutiva (The palms of South America: diversity, distribution and evolutionary history). *Revista Peruana de Biología* 15(supl. 1): 7- 29. (798262770, EN)
- Piñeiro R., Fuertes J., Draper D. & Nieto G. (2007) Ecology matters: Atlantic-Mediterranean disjunction in the sand-dune shrub *Armeria pungens* (Plumbaginaceae). *Molecular Ecology*. 16 (10):2155-2171. (810758307, ES)
- Plan Comunitario del Uso del Territorio de la Comunidad de San Juan E. Anasco, Sierra Norte de Oaxaca (797732559, ES)
- Plan Comunitario del Uso del Territorio de la Comunidad de San Miguel Abejones, Sierra Norte de Oaxaca (797732559, ES)
- Plan Comunitario del Uso del Territorio de la Comunidad de Santa Ana del Valle, Valles Centrales de Oaxaca (797732559, ES)
- Plan Comunitario del Uso del Territorio de la Comunidad de Santa María Zoquitlán, Sierra Sur de Oaxaca (797732559, ES)
- Plan Comunitario del Uso del Territorio de las Comunidades de la Unión Zapoteca-Chinanteca, Sierra Norte de Oaxaca (797732559, ES)

- Plan de Manejo de Altos valores de conservación en San Juan E. Analco, Sierra Norte de Oaxaca (797732559, ES)
- Plan de Manejo para la extracción de resina de copal en San Pedro Totolapan, Sierra Sur de Oaxaca (797732559, ES)
- Plan Ecorregional de las Selvas Maya, Zoque y Olmeca (788283142, ES)
- Planeación ecorregional para la conservación marina: Golfo de California y costa occidental de Baja California Sur. (788283142, ES)
- Planes de gestión de espacios protegidos (Espacios Naturales Protegidos de Canarias, Natura 2000,...) (797505184, ES)
- Planes maestros (802534229, ES)
- Plants Systematics and Evolution 268: 45-58 (2007) (796595322, EN)
- Platnick, N.I. & Jäger, P. (2008). On the first Asian spiders of the family Caponiidae (Araneae, Haplogynae), with notes on the African genus Diploglena. — American Museum Novitates 3634: 1–12. (789954185, EN)
- please see publications list / downloads: <http://www.natureserve.org/publications/index.jsp> (811046108, EN)
- Pollinator biodiversity (especially bees) across Canada (in progress) (798601169, EN)
- *Population of the national databases (EIDER, INPN, ...)* (800740194, FR)
- *Population state studies* (807866572, ES)
- *Potential range of species of the genus Jefeia (Asteraceae) in Mexico* (790716449, ES)
- Pou-Rovira, Q; et al. Presence of the alien chinese pond mussel Anodonta woodiana (Lea, 1834) (Bivalvia, Unionidae) in the Iberian peninsula. Graellsia Vol. 65 (1) (2009) (796606100, ES)
- powerpoint presentations of plant family Chloranthaceae, Campanulaceae (804101235, EN)
- *Practical lectures to Botany students, 3rd year of Forestry Engineering, Polytechnical University of Madrid* (796599999, ES)
- Presentación para aprobación de proyecto de investigación de posgrado (790588481, ES)
- Presentation: Diversity of jackfruit trees in Bangladesh: A case study in Tangail (804862322, EN)
- Presentation: M.I.Zuberi & M.N.Zuberi 2004. Participatory conservation, cultivation and marketing of herbs and herbal products for poverty alleviation and sustainable development. Intern. Conf. Conserv. & market. Med herb. Oxfam GB (India), New Delhi, India. (804862322, EN)
- Prieto & Fernandez. 2007. El género Leiobunum C.L.Koch, 1839 (Opiliones: Eupnoi: Sclerosomatidae) en la Península Ibérica y el norte de África, con la descripción de tres nuevas especies. Revista Ibérica de Aracnología, 14: 135-171. (807617434, ES)
- Program expertise consulted for access of rare plants for research (797508056, EN)
- Program expertise consulted for rehabilitation of natural habitat (797508056, EN)
- Progress report of the Biodiversity Study of the Brass LNG Project Area (work in progress) (804419219, EN)
- *Protected Areas Co-Administration Manuals* (802534229, ES)
- *Protected environments management* (807866572, ES)
- *Protected species management* (807866572, ES)
- Protein Electrophoresis analysis of water frog (804780925, EN)
- provided biogeographic data from most coral research throughout the Indo-Pacific (802988610, EN)
- Proyecto "Herbario Virtual de Flora Singular de Andalucía" (2008-2009). Junta de Andalucía. En desarrollo (796647418, ES)
- Publicación del libro de "Biodiversidad de Chile: Patrimonio y desafíos" (ver en www.conama.cl) (804721133, ES)
- *Publication of various information in web sites for public and specialist consultation (see www.sinia.cl)* (804721133, ES)

- publications, reports from Zoological survey of India, My own publications (804946772, EN)
- Pyraloidea of Europe (807271476, ES)
- Rabeler, R.K. & R.L. Hartman. 2007. *Eremogone Cliftonii* (Caryophyllaceae), A New Species From California. *Madrono* 54: 329-333. (789623369, EN)
- Ragupathy, S and S.G. Newmaster. Valorizing the 'Irulas' traditional knowledge of medicinal plants in the Kodiakkarai Reserve Forest, India. *Journal of Ethnobiology and Ethnomedicine* 5:10 (doi:10.1186/1746-4269-5-10). 2009. (804609055, EN)
- Ragupathy, S., Newmaster, S.G., Murugesan M., Velusamy, B. and M. Huda. Consensus of the 'Malasars' traditional aboriginal knowledge of medicinal plants in the Velliangiri holy hills, India. *Journal of Ethnobiology and Ethnomedicine*. 4:8 1-14. 2008. (804609055, EN)
- Ragupathy, S., S.G. Newmaster, B. Velusamy, M. Murugesan. DNA barcoding discriminates a new cryptic grass species revealed in an ethnobotany study by the hill tribes of the Western Ghats in southern India. *Molecular Ecological Resources* 9(Supp. 1.): 172–180. (doi: 10.1111/j.1755-0998.2009.02642.x). 2009. (804609055, EN)
- Rajakaruna, N., Baldwin, B. G. R. Chan, A. M. Desrochers, B. A. Bohm and J. Whitton. 2003. Edaphic races and phylogenetic taxa in the *Lasthenia californica* complex (Asteraceae:Heliantheae): An hypothesis of parallel evolution. *Molecular Ecology* 12: 1675-1679. (799233732, EN)
- Ramel, G., Baquero, E., Jordana, R. Biodiversity of the Collembola Fauna of Wetland Kerkiní (N. Greece), with description of the sexual dimorphism of *E. atrocincta*. *Annales de la Société Entomologique de France* (n.s.), 44(1): 113-128. (806267880, ES)
- Ramírez-Bastida, P., A. G. Navarro & A. T. Peterson. 2008. Aquatic bird distributions in Mexico: designing conservation approaches quantitatively. *Biodiversity and Conservation* 17(10): 2525-2558. (804239602, ES)
- *Rana caralitana* in Turkey (804780925, EN)
- *Rana ridibunda* and *Rana bederiagi* in Turkey (804780925, EN)
- Ranade SA, Rana TS, Narzary D - SPAR profiles and genetic diversity amongst pomegranates (*Punica granatum* L.) genotypes. *Physiology and Molecular Biology of Plants*, 2009, 15(1): 61-70. (809896381, EN)
- *Range studies* (797014335, ES)
- Rapini, A. Van Den Berg, C. & Liede-Schumann, S. 2007. Diversification of Asclepiadoideae (Apocynaceae) in the New World. *Ann. Missouri Bot. Garden* 94: 407-422. (789950710, EN)
- Razowski, J., B. Landry & L. Roque-Albelo. The Tortricidae (Lepidoptera) of the Galapagos Islands, Ecuador. *Revue suisse de zoologie* 115: 185-220. (802155962, FR)
- Realización Flora de Andalucía Oriental (2004-2009). Junta de Andalucía. En prensa. (796647418, ES)
- realjardínbotánico (800584469, ES)
- Reclassificacao of collections at the Mauritius Herbarium as per APG III (789977268, EN)
- references dans www.gretia.org (804951687, FR)
- *Regional Floras* (790031454, ES)
- *Report on the management of metapopulations of Juniperus oxycedrus var macrocarpa in Conil (Cádiz)* (808503964, ES)
- *Report on the populations of Cytisus moleroi in the Teba county (Málaga)* (808503964, ES)
- *Report on the populations of Euphorbia gaditana in Vejer de la Frontera (Cádiz)* (808503964, ES)
- Reports and information leaflets on Invasive species by our clients (Ministry of Natural Resources, Fisheries and Oceans Canada) (788616107, EN)
- *reports on Nier* (803280973, RU)
- Reports on the Status of Fishes for the Committee on the Status of Endangered Wildlife in Canada (788616107, EN)
- Research at Berkeley: <http://docubase.berkeley.edu/reprints.html> (791614428, EN)

- Research for biodiversity on properties for the Nature Conservancy of Canada (789102013, EN)
- Research for Manitoba Endangered Species Advisory Committee proposals (789102013, EN)
- Researching and writing reports and interpretive signs for the Assiniboine Park Zoo (see signs on NatureNorth) (789102013, EN)
- Retzer, ME and B. Batten. 2005. Fishes of the Chicago region: a review of the Dennison and Illinois Natural History Survey Collections. *Trans. Illinois State Acad. Sci.* 98:63-73. (792934475, EN)
- Revision of the genus *Pyrochlora* Warren, 1895 (Lepidoptera: Geometridae: Geometrinae). *Zootaxa* 2009, no. 1989: 55-65 (804913571, EN)
- *Revista Biodiversitas* (793243372, ES)
- *Revista Chilena de Entomología* (790470866, ES)
- *Revista de la Sociedad Argentina de Entomología* (790470866, ES)
- *Revista del Museo Nacional de Historia Natural* (790470866, ES)
- *Revista Peruana de Entomología* (790470866, ES)
- *Revue flamboyant* (801885680, FR)
- *Revue Spore* (801885680, FR)
- Reyes, J., N. Santodomingo, A. Gracia, G. Borrero-Pérez, G. R. Navas, L. M. Mejía-Ladino, A. Bermúdez & M. Benavides. 2005. Southern Caribbean azooxanthellate coral communities off Colombia. pp. 309-330. En: A. Freiwald y J.M. Roberts (ed.) *Cold-Water Corals and Ecosystems*, Springer Berlin Heidelberg (805186352, ES)
- Rheims, C.A. & Jäger, P. (2008): Revision of the neotropical huntsman spider genus *Vindullus* Simon (Araneae, Sparassidae). — *Journal of Arachnology* 36: 221–231. (789954185, EN)
- Riede, K. (2004) *Global Register of Migratory Species - from Global to Regional Scales. Final Report of the R&D-Projekt 808 05 081.330 pages + CD-ROM, ISBN 3-7843-3845-3* Riede, K. (2004) *Global Register of Migratory Species - from Global to Regional Scales. Final Report of the R&D-Projekt 808 05 081.330 pages + CD-ROM, ISBN 3-7843-3845-3* (805771465, EN)
- Roberts, D. L.; Florens, F. B. V.; Baider, C.; Bosser, J. 2004. *Taeniophyllum coxii* (Summerh.) Summerh. (Orchidaceae): a new record for Mauritius, Indian Ocean. *Kew Bulletin* 59 (4): 493-494. (789977268, EN)
- Rodríguez, J. P. (2002) Range contraction in declining North American bird populations. *Ecological Applications* 12: 238-248. (790316793, EN)
- Rodríguez, J. P. (2008) National Red Lists: the largest global market for IUCN Red List Categories and Criteria. *Endangered Species Research* 6: 193-198. (790316793, EN)
- Rodríguez, J. P. and F. Rojas-Suárez (eds.) (2008) *Libro Rojo de la Fauna Venezolana, tercera edición*. Provita and Shell Venezuela, S. A. Caracas, Venezuela. 364 pp. (790316793, EN)
- Rodríguez, J. P., and C. J. Sharpe (2002) NeoMaps: the Neotropical Biodiversity Mapping Initiative. *Cotinga* 17: 13-14. (790316793, EN)
- Rodríguez, J. P., F. Rojas-Suárez, and C. J. Sharpe (2004) Setting priorities for the conservation of Venezuela's threatened birds. *Oryx* 38: 373-382. (790316793, EN)
- Rodríguez, J. P., J. K. Balch and K. M. Rodríguez-Clark (2007) Assessing extinction risk in the absence of species-level data: quantitative criteria for terrestrial ecosystems. *Biodiversity and Conservation* 16(1): 183-209. (790316793, EN)
- Rodríguez, J. P., J. M. Nassar, K. M. Rodríguez-Clark, I. Zager, C. A. Portillo-Quintero, F. Carrasquel and S. Zambrano (2008) Tropical dry forests in Venezuela: assessing status, threats and future prospects. *Environmental Conservation* 35: 311-318. (790316793, EN)
- Rodríguez, J. P., L. Brotons, J. Bustamante and J. Seoane (2007) The application of predictive modelling of species distribution to biodiversity conservation. *Diversity and Distributions* 13: 243-251. (790316793, EN)
- Rodríguez, S. & Carrera, M. G. & Fernández-Martínez, E. (2002) Corales de la transición Siluro-Devónico en la precordillera argentina. *Ameghiniana*, 39(4): 479-490 (807604953, ES)

- Rodríguez, S. & Hernando, J.M. (2005) Description of *Espielia columellata* gen. et sp. nov. (Rugosa) from the Sierra del Castillo Unit (upper Viséan, Córdoba, SW Spain). *Geobios*, 38: 553-561 (807604953, ES)
- Rodríguez, S. & Kullmann, J. (1999) Rugose corals from the upper member of the Picos de Europa Formation (Moscovian, Cantabrian Mountains, NW Spain), *Palaeontographica Abt. A.*, 252: 23-92 (807604953, ES)
- Rodríguez, S. & Liao, W.H. (2003) A restudy of *Cystophrentis Yü* 1931 (Rugosa) from the uppermost Fammenian (Strunian) of South China. *Geobios* 36: 407-419 (807604953, ES)
- Rodríguez, S. & Somerville, I.D. (2007). Comparisons of rugose corals from the Upper Viséan of SW Spain and Ireland: implications for improved resolutions in late Mississippian coral biostratigraphy. *Schriftenreihe der Erdwissenschaftlichen Kommissionen*. 17: 275-305 (807604953, ES)
- Rodríguez, S., Arribas, M.E., Bermúdez-Rochas, D.D., Calvo, A., Cózar, P., Falces, S., Hernando, J.M., Mas, J.R., Moreno-Eiris, E., De La Peña, J.A., Perejón, A., Sánchez-Chico, F. & Somerville, I.D. (2007). Stratigraphical and palaeontological synthesis of the Sierra del Castillo succession (late Viséan, Córdoba, SW Spain). (807604953, ES)
- Roig, X., Espadaler, X., Cuscó, R., García, F., Gómez, K., Serrano, S., Vila, R. 2008. Hormigas en zonas gipsófilas. Primera cita de *Cardiocondyla batesii* Forel (Hymenoptera, Formicidae) y actualización del listado para Catalunya. *Boletín de la Sociedad entomológica aragonesa* 42: 189-192 (804145490, ES)
- Rojas-Soto, O., Alcántara & A. G. Navarro. 2003. Regionalization of the avifauna of the Baja California peninsula, Mexico: a parsimony analysis of endemism and distributional modeling approach. *Journal of Biogeography* 30:449-461. (804239602, ES)
- Roldán MI, García-Marín JL, Utter FM Pla C "Genetic relationships among *Merluccius* species." *Heredity* 83 (1999): 79-86. (810102198, ES)
- Roldán MI, García-Marín, J.L. and Pla C "Population genetic structure of European hake, *Merluccius merluccius*." *Heredity* 81 (1998): 327-334. (810102198, ES)
- Romero Zarco, C. 2008. *Juncus rechingeri* Snogerop, nueva especie para la flora europea. *Acta Botanica Malacitana* 33:1-3 (809182613, ES)
- Rougerie, R. (2003) 'Description d'une nouvelle espèce du genre malgache *Maltagorea* Bouyer, 1993 (Lepidoptera, Saturniinae)', *Bulletin de la Societe entomologique de France* 108(2): 177-80. (797563184, FR)
- Rougerie, R. (2003) 'Re-capture of *Sinobirma malaisei* in China: description of the female genitalia and comments on the systematic position of the genus in the tribe Urotini (Saturniidae)', *Nota Lepidopterologica* 25(4): 227-33. (797563184, FR)
- Rougerie, R. (2003) 'Redescription de *Maltagorea cincta* (Mabille, 1880) (Lepidoptera : Saturniidae : Saturniinae)', *Lambillionea* 103(2): 269-72. (797563184, FR)
- Rougerie, R. (2005) 'Phylogénie et biogéographie des Saturniinae (Lepidoptera, bombycoidea, Saturniidae) : approche morphologique et moléculaire', PhD thesis Natural History Museum, Paris: 530 p. + 45 pl. (2 vol.). (797563184, FR)
- Rougerie, R. and Bouyer, J. (2005) 'Contribution à la connaissance des Saturniidae du Burkina Faso. 1. Tribu des Micragonini (Lepidoptera, Saturniidae)', *Bulletin de la Societe entomologique de France* 110(3): 337-50. (797563184, FR)
- Rougerie, R. and Herbin, D. (2006) '*Hispaniodirphia lemaireiana* n. sp., a new saturniid from the Greater Antilles (Lepidoptera: Saturniidae, Hemileucinae)', *Zootaxa* 1204: 53-9. (797563184, FR)
- Roux D.J., Nel J.L., Ashton P.J., Deacon A.R., de Moor F.C., Hardwick D., Hill L., Kleyhans N., Maree G.A., Moolman J. and Scholes R.J. 2008 Jan. Designing protected areas to conserve riverine biodiversity: Lessons from a hypothetical redesign of the Kruger National Park. *Biological Conservation*. 141: 100-117. (798217342, EN)
- Rowell, C.H.F & A. Bentos Pereira. 2001.-Review or the genus *Homeomastax* (Eumastacinae, Eumastacidae, Eumastacoidea, Orthoptera), with description of new species. *Journal of Orthoptera Research* 10(2):209-254. (804268975, EN)

- Rowell, CH & A. Bentos Pereira. 2005 The Rhytidochrotinae of Panama, with new species of *Hylopedetes* Rehn 1929, *Oedalacris* Descamps and *Amedegnato* 1972 and *Chiriquacris* n. gen. *Journal of Orthoptera Research* 14(1):67-94. (804268975, EN)
- Rubio, G. D., Corronca, J.A & M. Damborsky, 2008. Do spider diversity and assemblages change in different contiguous habitats? A case study in the protected habitats of the Humid Chaco ecoregion, north-east Argentina. *Environ. Entomol.* 37(2): 419-430. (805947884, ES)
- Ryall, K., J. Whitton, W. Schofield, S. Ellis and A. J. Shaw. 2005. Molecular phylogenetic study of interspecific variation in the moss *Isoetecium* (Brachytheciaceae). *Systematic Botany* 30(2): 242-247. (799233732, EN)
- S. Bachman, W. J. Baker, N. Brummitt, J. Dransfield and J. Moat 2004. Elevational gradients, area and tropical island diversity: an example from the palms of New Guinea. *ECOGRAPHY* 27: 299-310, (810034473, EN)
- Said, I., Berkhli, M. & Rodríguez, S. (2007). Preliminary data on the coral distribution in the Viséan from Adarouch Area, Central Messeta (Morocco). *Schriftenreihe der Erdwissenschaftlichen Kommissionen.* 17, 353-363. (807604953, ES)
- Saito, F., L. P. T. Nguyen, J. M. Carpenter and J. Kojima. 2006. A new *Eustenogater* species (Hymenoptera: Vespidae; Stenogastrinae), the first hover wasp known to overwinter on the nest. *American Museum Novitates* 3534: 1-11. (788046697, EN)
- Sala, S. & N. I. Maidana. 2003. Valve morphology of *Amphora atacamae* Frenguelli (Bacillariophyceae). *Diatom Research* 18 (1): 69-78 (804325205, ES)
- Salgado-Maldonado, G. 2008. Helminth parasites of freshwater fish from Central America. *Zootaxa* 1915: 29-53. (804705847, ES)
- Salgado-Maldonado, G., R. Pineda-López, L. García-Magaña, S. López-Jiménez, V. M. Vidal-Martínez, y M. L. Aguirre-Macedo. 2005. Helmintos parásitos de peces dulceacuícolas, Capítulo 6. In: Bueno J., F. Álvarez y S. Santiago (eds.) *Biodiversidad del estado de Tabasco*. Instituto de Biología, Universidad Nacional Autónoma de México – CONABIO. pp 145-166. (804705847, ES)
- Sampled Red List Index for Plants
<http://www.kew.org/science/directory/projects/SampledRedListIndexP.html> (808459923, EN)
- San Martín, G. 2004 . Deep sea Syllidae from the Pacific Ocean, collected during cruises with the RV *Sonne* (Annelida, Polychaeta, Syllidae). *Senckenbergiana Biologica*, 84 (1/2): 13-25 (810897244, ES)
- San Martín, G. 2005. Exogoninae (Polychaeta: Syllidae) from Australia, with the description of a new genus and twenty-two new species. *Records of the Australian Museum*, 57 (1): 39-152 (810897244, ES)
- San Martín, G. y Hutchings, P., 2006. Eusyllinae (Polychaeta, Syllidae) from Australia, with the description of a new genus and fifteen new species. *Records of the Australian Museum* ,58: 257-370. (810897244, ES)
- San Martín, G., 2003 . Annelida Polychaeta II. Syllidae. EN: *Fauna Ibérica*, vol. 21 . Ramos, M. A. et al. (EDS). Museo Nacional de Ciencias Naturales. CSIC. Madrid, 554 pp. (810897244, ES)
- San Martín, G., Aguado, M. T. & Murray, A. 2007. A new genus and species of Syllidae (Polychaeta) from Australia with unusual (810897244, ES)
- San Martín, G., López, E. y Aguado, M. T. 2009. Revision of the genus *Pionosyllis* Malmgren, 1867, with a cladistic analysis, and the description of six new genera and two new species. *Journal of Marine Biological Association United Kingdom*, 1-44. (810897244, ES)
- Sánchez Márquez S, Bills GF, Zabalgogezcoa I. 2007. The endophytic mycobiota of *Dactylis glomerata*. *Fungal Diversity* 27: 171-195. (807630696, ES)
- Sánchez S, Bills GF, Zabalgogezcoa I. 2008. Diversity and structure of the fungal endophytic assemblages from two sympatric coastal grasses. *Fungal Diversity* 33:87-100. (807630696, ES)
- Sanz, N.; García-Marín, J.L.; Pla, C. "Divergence of brown trout (*Salmo trutta*) within glacial refugia." *Canadian Journal of Fisheries and Aquatic Sciences* 57 (2000): 2202-2210. (810102198, ES)

- Sanz, N.; García-Marín, J.L.; Viñas, J.; Roldan, M.I.; Pla, C. "Spawning groups of European anchovy: population structure and management implications." *ICES Journal of Marine Science* 65 (2008): 1635-1644. (810102198, ES)
- Scelzo, M.A. 2000. Acuicultura: Producción, Impacto Ambiental y Contaminación. *Aquanoticias, Boletín del Capítulo Latinoamericano de la Sociedad Mundial de Auicultura*,5(1):6-7. (804372510, ES)
- Scelzo, M.A. 2001. First record of the portunid crab *Arenaeus cribarius* (Lamarck 1818) (Crustacea: Brachyura: Portunidae) in marine waters of Argentina. *Proceeding of the Biological Society, Washington, USA.*, 114(3):605-610. ISI IF= 0.444 (2005) (804372510, ES)
- Scelzo, M.A. 2004. Crustáceos Anomura. Capítulo 24 del libro "La vida Entre Mareas: vegetales y animales de las costas de Mar del Plata, Argentina", pgs.213-218. E.E.Boschi y M.B.Cousseau (Eds), *Publicaciones Especiales del INIDEP, Mar del Plata, Argentina* (ISBN 987-20245-6-1). (804372510, ES)
- Scelzo, M.A., Gavio, M.A. and Martinez Arca, J. (2005). Population structure, morphometry and relative growth of the crab *Corystoides abbreviatus* (Decapoda: Brachyura: Bellidae) in Mar del Plata, Argentina. *Nauplius*, 14(1):137-147. 2005 S.P.Brasil. Scielo. ISSN 0101-6497. (804372510, ES)
- Scelzo, M.A., J.Martinez-Arca & N.M.Lucero. 2002. Diversidad, densidad y biomasa de la macrofauna componente del sistema de pesca "camarón-langostino", frente a Mar del Plata, Argentina. *Revista de Investigación y Desarrollo Pesquero (INIDEP) N° 15:43-65, Mar del Plata.* (804372510, ES)
- Sciencedirect (807356212, EN)
- Schiaparelli S, Oliverio M., Taviani M, Griffiths H. Lörz A.-N, Albertelli G (2008). Circumpolar distribution of the pycnogonid-ectoparasitic gastropod *Dickdellia labioflecta* Dell, 1990 (Mollusca: Zeratulidae). *ANTARCTIC SCIENCE*, vol. 20; p. 497-498, ISSN: 0954-1020, doi: 10.1017/S0954102008001302 (804220564, EN)
- Schöning, C., Gotwald W.H., Kronauer, D.J.C. & Vilhelmsen, L. 2008. Taxonomy of the African army ant *Dorylus gribodoi* Emery, 1892 (Hymenoptera, Formicidae) - new insights from DNA sequence data and morphology. *Zootaxa* 1749: 39-52. (796017111, EN)
- Schrire, B.D., Lavin, M., Barker, N.P. & Forest, F. (2009). Phylogeny of the tribe Indigofereae (Leguminosae-Papilionoideae): geographically structured more in succulent-rich and temperate settings than in grass-rich environments. *American Journal of Botany* 96 (4): 816-852. (808459923, EN)
- *Search of records of Bromelia in Oaxaca* (789561787, ES)
- *Search of records of Fish in the state of Oaxaca* (789561787, ES)
- *Search of records of Mollusca in the Oaxaca coast* (789561787, ES)
- Second State of the Environment 2002 Report Lesotho (803312430, EN)
- see my home page at http://www.nybg.org/science/scientist_profile.php?id_scientist=17 (808095245, EN)
- See my list of papers at: <http://vsmith.info/publications>. This includes several on informatics which you can ignore but as you scroll down there are plenty that directly speak to the question you are asking (797465180, EN)
- see publications at <http://uwadmweb.uwyo.edu/wyndd/info.asp?p=3455> (796079107, EN)
- See the (788192263, EN)
- See the contents within the Scratchpad project (list at <http://scratchpads.eu/siteslist> or simplified version at <http://editwebrevisions.info/en/content/dynamic-scrathpad-sites-list>) (797465180, EN)
- Selden, P.A., Corronca, J.A. y M. Hunicken 2005. The true identity of the supposed giant fossil spider *Megarachne*. *Biology Letters, The Royal Society of London, Published on-line* (doi:10.1098/rsbl.2004.0272):1-5; electronic supplement: 1-8. *Biology Letters, UK*, 1(1):44-48. (805947884, ES)
- Selliah & Brouillet 2008. Molecular phylogeny of the North American eurybioid asters (Asteraceae, Astereae) based on the nuclear ribosomal internal and external transcribed spacers. *Botany* 86: 901- 915 doi: 10.1139/B08-070 (801621840, FR)

- Sérgio C., Figueira R., Draper D., Menezes R. & Sousa A. J. (2007) Modelling bryophyte distribution based on ecological information for extent of occurrence assessment. *Biological Conservation* 135: 341-351. (810758307, ES)
- Sérgio C., Garcia C. & Draper D. (2005) Modelling the distribution of *Cryptothallus mirabilis* Malmb. (Aneuraceae, Hepaticopsida) in the Iberian Peninsula. *Journ. Hattori Bot. Lab.* 97:309-316 (810758307, ES)
- Sérgio C., Sim-Sim M., Fontinha S., Figueira R. (2008). The bryophytes (Bryophyta) of the Madeira and Selvagens archipelagos. In: Borges P.A.V., Abreu C., Aguiar A.M.F., Carvalho P., Jardim R., Melo I., Oliveira P., Sérgio C., Serrano A.R.M. & Vieira P. (eds.). A list of the terrestrial fungi, flora and fauna of Madeira and Selvagens archipelagos. Direcção Regional do Ambiente da Madeira and Universidade dos Açores, Funchal and Angra do Heroísmo. pp. 123-156. (808236440, EN)
- SERNEC participant (SouthEast Regional Network of Expertise and Collections); www.ser nec.org (790300687, EN)
- Serrano, A., San Martín, G. & López, E., 2006. Ecology of Syllidae (Annelida: Polychaeta) from shallow rocky environments in the Cantabrian Sea (South Bay of Biscay). *Scientia Marina*, 70: 225-235 (810897244, ES)
- Servicio Social en la SEMARNAT. Estudio de Impacto Social, Económico y Ambiental del Programa de Empleo Temporal (793409884, ES)
- Several high impact papers, and proceedings etc (796007832, EN)
- *Several monographies on species* (806487291, ES)
- Sheu, H.-J., P.-F. Lee, 2001. *Evaluating the relationship of Taiwan Avian Communities and Their Environment Using Fauna Data. The Biology Society of China, Taipei.* (798178007, CN)
- Shih, H.-Y., Chang Y.-C., Y.-R. Yang, 2006. *A Study on Composition and Habitat Utilization of Amphibians in Low-elevation Area in Hualien County. Biosciences*, 49(1):51-64. (803491645, CN)
- SHILAP Revista de lepidopterología (ISSN: 0300-5267) desde el año 1973 (804413864, ES)
- Shiu, H. J., T. S. Ding, J. E. Sheu, R. S. Lin, C. N. Koh, and P. F. Lee. 2005. *Morphological characters of bird species in Taiwan. Taiwania* 50(2):80-92. (798178007, CN)
- *silkworms* (813358480, CN)
- Silva P.C., F.F. Pedroche, P.C., M.E. Chacana, R. Aguilar-Rosas, y L.E. Aguilar Rosas. 2004. Geographic correlation of morphological and molecular variation in *Silvetia compressa* (Fucaceae, Fucales, Phaeophyceae). *Phycologia* 43(2): 204-214. (791200661, ES)
- Singh AP, Nath V, - Studies on the genus *Herbertus* Gray from Meghalaya- India. *J Bombay Nat. Hist. Soc.*, 2008, 105(1): 119-26. (809896381, EN)
- Singh SM, Nayaka S, Upreti DK- Lichen communities in Larsemann Hills, East Antarctica. *Curr. Sci.*, 2007, 93(12): 1670-72. (809896381, EN)
- Singh, A.P. and Nath, V. 2007. Hepaticae of Khasi and Jaintia Hills: Eastern Himalayas. Pp. (i-xii) 1-382. Bishen Singh Mahendra Pal Singh, Dehradun, India (809896381, EN)
- Sinopsis de las Especies de la Familia Cichlidae presentes en la Cuenca del Orinoco: Claves, Diagnoses e Ilustraciones. Conicit. 150 pp. + Lam.(C. Lasso y A. Machado-Allison). 2000. (804691270, ES)
- Sinopsis de las Especies de la Familia Serrasalminae presentes en la Cuenca del Orinoco: Claves, Diagnoses e Ilustraciones. Conicit. 88 pp.(A. Machado-Allison y W. Fink). 1995 (804691270, ES)
- Sinopsis taxonómica de la sección Apodostemon (Dioscorea; Dioscoreaceae) (790716449, ES)
- Skov, F. and Borchsenius, F. 1997. Predicting plant species distribution patterns using simple climatic parameters: a case study of Ecuadorian palms. *Ecography* 20: 347-355. (798262770, EN)
- Smith, T. W., and Waterway, M. J. 2008. Evaluating the taxonomic status of the globally rare *Carex roanensis* (Cyperaceae) and allied species using morphology, and amplified fragment length polymorphisms. *Systematic Botany* 33:525-535. (810057771, EN)

- Smith, T. W., and Waterway, M. J. 2008. Evaluating species limits and hybridization in the *Carex complanata* complex using morphology, amplified fragment length polymorphisms, and restriction fragment analysis. *Botany* 86: 809-826. (810057771, EN)
- Smith, T. W., Donaldson, J.T., Wieboldt, T. F., Kauffman, G. L., and Waterway, M. J. 2006. The geographic and ecological distribution of the Roan Mountain Sedge, *Carex roanensis* (Cyperaceae). *Castanea* 71: 45-53. (810057771, EN)
- Somerville, I.D. & Rodríguez, S. (2007). Rugose coral associations from the Late Viséan of Western Tethys: examples from Ireland, Britain and Spain. *Schriftenreihe der Erdwissenschaftlichen Kommissionen*. 17: 329-351 (807604953, ES)
- Spanish And Portuguese Platform For Botanical Diversity Data Online (2003) (796647418, ES)
- Spatial partitioning of fishes in the Río Paraguay, Paraguay. *Interciencia*, 29(4):183-192, 2004. (Barry Chernoff, Philip W. Willink y Antonio Machado-Allison). (804691270, ES)
- species and specimen data used in planning future field work (804339720, EN)
- *Species distribution databases in NOM 059* (793098908, ES)
- *Species of interest for conservation:*
<http://www.indurot.uniovi.es/actividades/naturaliacantabricae/Revistas/numero3/Articulo7.pdf>
(809335155, ES)
- *Species range maps* (806487291, ES)
- *Specimen collection planning* (790588481, ES)
- specimen data used for summarizing distributions and habitats of ferns of Sonora, Mexico (not yet published) (804339720, EN)
- specimen data used in circumscribing distributions and habitats of New World holoparasitic Orobanchaceae (as yet unpublished) (804339720, EN)
- Srivastava J, Ranade SA, Khare PB - Distribution and threat status of the cytotypes of *Pteris vittata* L. (Pteridaceae) species complex in India. *Curr. Sci.*, 2007, 93(1): 81-85. (809896381, EN)
- Srivastava Ruchi, Khare PB - Studies on reproductive biology of a threatened homosporous fern, *Pellaea falcata* (R. Br.) Fee. *Proc. Nat. Acad. Sci. (India)*, 2007, 77B(3) : 292-96. (809896381, EN)
- Stals, R. & Grobbelaar, B. 2007b. 'Shrimps' in your garden?! *Plant Protection News* 74: 5 (December 2007). (788745446, EN)
- Stals, R. & Prinsloo, G. 2007. Discovery of an alien invasive, predatory insect in South Africa: the multicoloured Asian ladybird beetle, *Harmonia axyridis* (Pallas) (Coleoptera: Coccinellidae). *South African Journal of Science* 103(3-4): 123-126. (788745446, EN)
- Stals, R. 1997. A Survey of Phytophagous Organisms Associated with *Acacia nilotica* in South Africa. Report to the Department of Natural Resources, The State of Queensland, Australia. 113 pp. plus MS Access database. (788745446, EN)
- Stals, R. 1997. Plantvretende Insekte van Rooibostee [Phytophagous Insects of Rooibos Tea]. Report to Rooibos Produksie- en Tegniese Dienste (Edms) Bpk., Clanwilliam, South Africa. 42 pp. (788745446, EN)
- Stals, R. 2001b. Why are we worried about the collecting and export of South African invertebrates? [oral presentation]. 13th Congress of the Entomological Society of Southern Africa, 2-5 July 2001, Pietermaritzburg, South Africa. (788745446, EN)
- Stals, R. 2007(2008)f. Checklists of the known southern African taxa of aquatic Coleoptera. pp. 205-229. In: Stals, R. & De Moor, I.J. (Eds). *Guides to the Freshwater Invertebrates of Southern Africa. Volume 10: Coleoptera*. Water Research Commission, Gezina, Pretoria, South Africa. WRC Report No. TT 320/07. (788745446, EN)
- Stals, R., Grobbelaar, E., Neser, S. & Palmer, W.A. 2003a. The value of using taxonomists to survey for potential biological control agents of weeds [poster]. The XI International Symposium on Biological Control of Weeds, 28 April-02 May 2003, Canberra, Australia. (788745446, EN)
- Sterling, J.A., Seberg, O., Humphries, C.J., Borchsenius, F. & Dransfield, J. 2007. Priority Areas for Rattan Conservation in Borneo. Pp 129-180 in: *Biodiversity Databases: techniques, Politics, and Applications*, eds. G.B. Curry & C.J. Humphries. CRC press, London. (798262770, EN)

- stratégie nationale et plan d'action de la biodiversité au Mali de 2000 à 2010, voir secretariat@cbd.int (802818378, FR)
- *Structure of oak grooves in the Sierra de Santa Rosa, Guanajuato, México* (790716449, ES)
- *Studies for PEMEX* (801161632, ES)
- *Studies of location of species of interest, or catalogued species, to avoid effects by roads, irrigation (for the Navarra Government)* (809335155, ES)
- *Studies on the forest dynamics and population structure of the kawakamii fir forest in the northern slope of Hsueh-shan by Chjun-Hsou Huang, Study on the Vegetation Succession in the Burned Area of Taiwan Red Pine Forest in Central Taiwan by Lin-Chieh Huang* (813431432, CN)
- *Study of functional diversity (use of morphological characters)* (810126145, ES)
- *Su, Y., L.J. Huang, Y.W. Chang, and H.K. Mok*. 2009. Temporal changes in nudibranch composition at a coastal site off Penghu (the Pescadores) in the Taiwan Strait. Zoological Studies, 48(4):xx-xx. (In press).* (800589859, CN)
- *Suksathan, P. & Borchsenius, F. 2008. Marantaceae. Flora of Thailand 9 part 2: 123-142.* (798262770, EN)
- *Sung G-H, Hywel-Jones NL, Sung J-M, Luangsa-ard J, Shrestha B, Spatafora JW. 2007. Phylogenetic classification of Cordyceps and the clavicipitaceous fungi. Studies in Mycology 57:5-59* (800536896, CN)
- *Svenning, J.-C. & Skov, F. 2004. Limited filling of the potential range in European tree species. Ecology Letters 7:565-573.* (796220458, EN)
- *Svenning, J.-C. & Skov, F. 2007. Could the tree diversity pattern in Europe be generated by postglacial dispersal limitation? Ecology Letters 10:453-460.* (796220458, EN)
- *Svenning, J.-C. & Skov, F. 2007. Ice age legacies in the geographic distribution of tree species richness in Europe. Global Ecology & Biogeography 16:234-245.* (796220458, EN)
- *Svenning, J.-C., Borchsenius, F. & Balslev, H. 2008. High tropical net diversification drives the New World latitudinal gradient in palm (Arecaceae) species richness. Journal of Biogeography 35: 394–406. doi:10.1111/j.1365-2699.2007.01841.x* (798262770, EN)
- *Svenning, J.-C., Borchsenius, F., Bjorholm, S. & Balslev, H. 2008. High tropical net diversification drives the New World latitudinal gradient in palm (Arecaceae) species richness. Journal of Biogeography 35: 394-406.* (796220458, EN)
- *Svenning, J.-C., Normand, S. & Kageyama, M. 2008. Glacial refugia of temperate trees in Europe: insights from species distribution modelling. Journal of Ecology 96:1117-1127.* (796220458, EN)
- *Svenning, J.-C., Normand, S. & Skov, F. 2008. Postglacial dispersal limitation of widespread forest plant species in nemoral Europe. Ecography 31:316-326.* (796220458, EN)
- *Svenning, J.-C., Normand, S. & Skov, F. 2009. Plio-Pleistocene climate change and geographic heterogeneity in plant diversity–environment relationships. Ecography 32:13-21.* (796220458, EN)
- *Systematics of hynobiid salamanders inferred from chromosomes and highly repetitive DNA. Chromosome Sci 7: 102-103 (2003).* (798974674, EN)
- *Szabo, N., Algar, A. C., and J. T. Kerr. In press. Reconciling topographic and climatic effects on widespread and range-restricted species richness. Global Ecology and Biogeography.* (803743468, EN)
- *T. A. Dickinson, E. Lo, N. Talent & R. M. Love. "Black-fruited Hawthorns of Western North America – one or more Agamic Complexes?" Botany, 86(8): 846-865 (2008).* (810578140, EN)
- *Tabachnick, K.R. and Collins, A.G. 2008. Glass sponges (Porifera, Hexactinellida) of the northern Mid-Atlantic Ridge, Marine Biology Research, 4:25-47* (804123890, EN)
- *Taller de Biogeografía de la Conservación, Facultad de Ciencias* (794026967, ES)
- *Tambong, J. T. 2008. Continue preservation of Canadian bacterial resources- a tool for modern taxonomy and biosystematics of agricultural important bacteria. 2008 Appraisal Report* (789174777, EN)

- Tambong, J. T., R. Xu and E. S. P. Bromfield. 2009. Intercistronic heterogeneity of the 16S-23S rRNA spacer region among new *Pseudomonas* strains detected by SYBR green real-time PCR followed by Melting-Curve Analysis. *Microbiology Journal* (789174777, EN)
- Tambong, J. T., K. N. Mwange, M. Bergeron, T. Ding, F. Mandy, L. Reid, and X. Zhu. 2008. Rapid detection and identification of the bacterium *Pantoea stewartii* in maize by TaqMan real-time PCR assay targeting the *cpsD* gene. *Journal of Applied Microbiology* 104: 1525-1537 (789174777, EN)
- Tambong, J. T., R. Xu, T. A. Ngwa, E. Bromfield (2008) Novel *Pseudomonas* strains antagonistic to *Rhizoctonia solani*, isolated from subterranean seeds of *Amphicarpa bracteata*. *Phytopathology* 98:S154. (789174777, EN)
- Tambong, J.T. 2008. Biodiversity, identification and phylogeny of *Pseudomonas* communities in agricultural soils. 2008 Appraisal Report (789174777, EN)
- Taphorn, D. Royero, R. A. Machado-Allison y F. Mago. L. 1997. Lista actualizada de los peces de agua dulce de Venezuela. En: *Vertebrados de Venezuela* (Lamarca, ed.) (804691270, ES)
- *Taxonomic studies on Malvaceae, including thesis.* (813415817, CN)
- Teaching materials (academic purposes) e.g. visit <http://www.ims.udsm.ac.tz/> (788674644, EN)
- *Technology Transfer Course: "Conservation of Endangered Flora in Mediterranean Environments"* (797014335, ES)
- Téllez, O. y P. Dávila. 2006. The effects of climate change on the long-term conservation of *Fagus grandifolia* var. *mexicana*, an important species of the Cloud Forest in Eastern Mexico. *Biodiversity and Conservation* 15: 1095-1107. (790473914, ES)
- Téllez, O., Dávila, P. y M. Ayala. 2007. Case studies on the effect of climate change on the flora of Mexico. *J. Bot. Gard. Conserv. International* 4(2): 17-21. (790473914, ES)
- Téllez-Valdés, O. y P. Dávila. 2003. Protected areas and climate change: a case study on the cacti in the Tehuacán-Cuicatlán Biosphere Reserve, Mexico. *Conservation Biology* 17(3): 846-853. (790473914, ES)
- Tenora, F., Koubkova, B. & Feliu, C. *Folia Parasitologica* (2002): 49: 50-54. (809915108, ES)
- Tesis, actualmente en proceso (789762546, ES)
- *Teucrium ronnigeri* Sennen y sus variaciones. *Flora Montiberica* 42. (2009) M.B. Crespo & P.P. Ferrer (809124257, ES)
- *The administration and management of the agricultural ecological area in Fu-Bau wetland.* (803222165, CN)
- The alien flora of Kashmir Himalaya. *Biological Invasions* (2007) 9:269–292 (788246267, EN)
- the author of the taxonomy of reef corals that is now universally used (802988610, EN)
- *The Biodiversity of Cheng-Gon Camping Area* (803222165, CN)
- The Biological Diversity Clearing House Mechanism - zm.chm-cbd.net (804059449, EN)
- The Brentidae of the World - Sforzi & Bartolozzi, 2004 (805754411, EN)
- The Carabid Beetles of Navarra Spain (Coleoptera, Carabidae). (806684923, ES)
- The cultural significance of the results in Natural History made by the Arabic Travel 1761-1767 - Peter Forsskål's contribution to Arabic lexicography, I : Carsten Niebuhr (1733 - 1815) und seine Zeit. Josef Wiesehöfer und Stephan Conermann (red.), Franz Steiner Verlag, Stuttgart 2002.pp. 157-161. (796002966, EN)
- The Daily Reveille, by Sean Griffin "Herbarium oldest in region, houses 180,000 species [sic]", with video feature on-line Friday, October 3, 2008 <http://www.lsureveille.com> (790300687, EN)
- *The diversity of pollination of family Lauraceae in Taiwan* (813358480, CN)
- The effects of climate change on the geographic distribution of Mexican wild relatives of domesticated Cucurbitaceae (790716449, ES)
- The effects of climate change on the long-term conservation of *Fagus grandifolia* var. *mexicana*, an important species of the Cloud Forest in Eastern Mexico (790716449, ES)

- *The Floral and Pollination Biology of Cinnamomum camphora and Litsea cubeba in Taiwan* (813358480, CN)
- The genus *Quercus* (Fagaceae) in Indiana: phytogeography and a key to the species. *Proc. Ind. Acad. Sci.* 104: 11-24. (788118223, EN)
- The Geometrid Moths of Europe (807271476, ES)
- The Indigenous Forests of Lesotho (803312430, EN)
- The insects, mites, and spiders of Hot Weather Creek, Ellesmere Island, Nunavut. F. Brodo, 2000. in *Environmental Response to Climate Change in the Canadian High Arctic*, (ed.) M. Garneau & B.T. Alt; Geological Survey of Canada, Bulletin 529: 145-173. (788162326, EN)
- *the interaction of temperature change and species distribution* (813424731, CN)
- *The larvae and host plants of Athyma perius perius* (813358480, CN)
- The National Institute of Invasive Species Science (NIISS) is a GISIN provider with primary data. Web Service URL: <http://squall.nrel.colostate.edu/cwis438/webservices/gisin/webservice.php> Contact Email: jim@nrel.colostate.edu (789289044, EN)
- The plants of Bali Ngemba Forest Reserve, Cameroon : a conservation checklist / compiled and edited by Yvette Harvey, Benedict John Pollard, Iain Darbyshire, Jean-Michel Onana and Martin Cheek. *RBG Kew* 2004 (808459923, EN)
- The *Quercus falcata* Michx. complex in Land Between The Lakes, Kentucky and Tennessee: a study of morphological variation. *Amer. Midl. Nat.* 121: 245-255. (788118223, EN)
- The red and black oaks of Indiana. *Proc. Ind. Acad. Sci.* 94: 429-446. (788118223, EN)
- *The re-discovery of Pseudocoladenia dan sadakoe (Sonan & Mitono, 1936)* (813358480, CN)
- the research that has underpinned most reef conservation initiatives over the past two decades (802988610, EN)
- The Smithsonian Institution (789488116, ES)
- The Tipulidae and Limoniidae of Greenland. P. Oosterbroek, Fenja Brodo, Vladimir Lantsov & Jaroslav Starý. *Ent. Meddr.* 75: 3-33. (788162326, EN)
- The woody flora of Land Between The Lakes: Kentucky and Tennessee. *Jour. Tenn. Acad. Sci.* 51: 124-129. (788118223, EN)
- Thematic reports in submission to CBD (803718291, EN)
- third national report (803653262, EN)
- Thompson, S. L., and J. Whitton. 2006. Patterns of recurrent evolution and geographic parthenogenesis within apomictic Easter daisies (*Townsendia hookeri*). *Molecular Ecology* 15:3389-3400. (799233732, EN)
- Thulin, M., Goyder, D. & Liede-Schumann, S. 2008. *Cibirhiza spiculata* (Apocynaceae), a remarkable new species from eastern Ethiopia. *Kew Bull.* 63: 617-624. (789950710, EN)
- Tison J.M. & Malécot V. 2007 *Potentilla pedata* Willd ex. Hornem (Rosaceae), espèce française méconnue. *Monde des plantes* 493 : 5-17 (804192012, FR)
- Tittensor DP, Baco-Taylor AR, Brewin P, Clark MR, Consalvey M, Hall-Spencer JM, Rowden AA, Schlacher T, Stocks K & Rogers AD (2009) Predicting global habitat suitability for stony corals on seamounts. *Journal of Biogeography*, 36, 1111-1128. (802675589, EN)
- *Tkachenko, K. S., B. J. Wu, L. S. Fang, T. Y. Fan. 2007. Dynamics of a coral reef community after mass mortality of branching Acropora corals and an outbreak of anemones. Mar. Biol.* 151:185-194. (800539996, CN)
- to many to list, I will email you later with an examples, but we have a lot (810238490, EN)
- Torralba Burrial, A. & F. J. Ocharan. 2007. Composición biogeográfica de la fauna de libélulas (Odonata) de la Península Ibérica, con especial referencia a la aragonesa. *Boletín de la Sociedad Entomológica Aragonesa*, 41: 179-188. (796600979, ES)
- Torralba Burrial, A. & F. J. Ocharan. 2008. Las comunidades de macroinvertebrados bentónicos de la subcuenca del río Arba (Zaragoza, NE España). XIII Congreso Ibérico de Entomología, Seia, Portugal, 8-12 septiembre 2008, p. 186 (796600979, ES)

- Torralba Burrial, A. 2008. Estado ecológico, comunidades de macroinvertebrados y de odonatos de la red fluvial de Aragón. *Alquibla*, 47: 28 (796600979, ES)
- Torres, J. Garcia-Perea, R., Gisbert, J. & Feliu, C. *Journal of Helminthology* (1998): 72 (3): 221-226. (809915108, ES)
- *Training materials for land use* (793143478, ES)
- Tratamiento de las bases de datos del Herbario de la Universidad de Granada (GDA) como fuente para estudios de biodiversidad: Ensayo en determinadas familias de Angiospermas Dicotiledóneas de la provincia de Granada (Caryophyllaceae, Cistaceae, Cruciferae, Chenopodiaceae, Ericaceae, Leguminosae, Papaveraceae Y Ranunculaceae) (2003). Tesis Doctoral (796647418, ES)
- Trierweiler-Pereira, L., Baltazar, J.M., Loguercio-Leite, C. Diversidade de Basidiomycetes (Basidiomycota, Fungi) xilófilos em manguezais da Ilha de Santa Catarina, SC, Brasil In: Jornadas de Jóvenes Investigadores Asociación de Universidades, Grupo Montevideo (AUGM), 2007, Asunción, Paraguay. CD-ROM Trabajos Completos de la XV Jornadas de Jóvenes Investigadores, 2007. Asunción: AUGM, 2007. v.1. (804198863, ES)
- Turak A., Zeydanlı U., Bal M., Domaç A. & Bilgin C.C. (2006) Systematic conservation planning with a human dimension in the Lesser Caucasus region of Turkey. 1st European Congress of Conservation Biology, 22 – 26 August 2006, Eger, Hungary. (807603503, EN)
- Turak, A., Bilgin, C.C. & Kence, A. (2002) Species richness, endemism and rarity patterns in Turkey and environmental correlates of these patterns. Society for Conservation 16th Annual Meeting, 14-19 July 2002, Canterbury, UK (807603503, EN)
- Turrisi, G.F., Jennings, J.T. & Vilhelmsen, L. 2009. Phylogeny and generic concepts for the parasitoid wasp family Aulacidae (Hymenoptera: Evanioidea). *Invertebrate Systematics* 23: 27-59. (796017111, EN)
- Undertaking consultancies to set up National IAS Baseline, and National Biodiversity Assessment (underway, no referenes) (788655254, EN)
- Upreti DK, Divakar PK - Notes on some interesting macrolichens from India. *Nova Hedwigia*, 2008, 86(3-4) : 525-28. (809896381, EN)
- Vaezi & Brouillet 2009. Phylogenetic relationships among diploid species of *Symphotrichum* (Asteraceae: Astereae) based on two nuclear markers, ITS and GAPDH. *Molecular Phylogenetics and Evolution*. doi: 10.1016/j.ympev.2009.03.003 (801621840, FR)
- Vaglia, T., Haxaire, J., Kitching, I. J., Meusnier, I. and Rougerie, R. (2008) 'Morphology and DNA barcoding reveal three cryptic species within the *Xylophanes neoptolemus* and *loelia* species-groups (Lepidoptera: Sphingidae)', *Zootaxa* 1923: 18-36. (797563184, FR)
- Vaglia, T., Haxaire, J., Kitching, I.J., Meusnier, I. & Rougerie, R., 2008. Morphology and DNA barcoding reveal three cryptic species within the *Xylophanes neoptolemus* and *loelia* species-groups (Lepidoptera: Sphingidae). *Zootaxa* 1923: 18-36. (796675742, EN)
- Valdivieso R, Iraola V, Estupiñán M, Fernández-Caldas, 2006. Sensitization and exposure to house dust and storage mites in high and low altitude areas of Ecuador. *Ann Allergy Asthma Immunol* 2006 97(4): 532-538. (806753199, ES)
- Van de Vijver B, Kelly M, Blanco S, Jarlman A, Ector L 2008. The unmasking of a sub-Antarctic endemic: *Psammothidium abundans* (Manguin) Bukhtiyarova et Round in European rivers. *Diatom Res.* 23: 233-242 (804267043, ES)
- Van Devender, T. R., R. S. Felger, M. Fishbein, F. Molina-Freaner, J. Jesús Sánchez-Escalante, and A. L. Reina-Guerrero. Biodiversity of the vascular plants of Sonora, Mexico. In Molina-Freaner, F., and T. R. Van Devender (eds.), *Biodiversidad del Estado de Sonora, México*, Universidad Nacional Autónoma de México, Hermosillo, Sonora (in review). (789013767, EN)
- Vargas, H., D. Neill, M. Asanza, A. Freire-Fierro y E. Narváez. 2001. Flora y Vegetación del Parque Nacional Llanganates. *EcoCiencia-Herbario Nacional del Ecuador/GEF*. (788843549, EN)
- Variation of water frog`s mating calla in Libya (804780925, EN)

- Varios. 2002.- Informe técnico sobre el Área Protegida “Esteros de Farrapos. Dpto. de Río Negro. Uruguay DINAMA. Ministerio de Vivienda, Ordenamiento Territorial y Medio Ambiente. . (804268975, EN)
- *Vascular Flora of Western Andalusia* (808452220, ES)
- Vaz-De-Mello, F. Z. . Revision and phylogeny of the dung beetle genus *Zonocopris* Arrow, 1932 (Coleoptera: Scarabaeidae: Scarabaeinae), a phoretic of land snails. *Annales de la Société Entomologique de France*, v. 43, p. 231-239, 2007. (788526261, ES)
- Vaz-De-Mello, F. Z. . Synopsis of the new subtribe *Scatimina* (Coleoptera: Scarabaeidae: Scarabaeinae: Ateuchini), with descriptions of twelve new genera and review of *Genieridium*, new genus.. *Zootaxa* (Auckland), v. 1955, p. 1-75, 2008. (788526261, ES)
- Vaz-De-Mello, F. Z. ; Halffter, Gonzalo ; Halffter, Violeta . A New Species of *Pedaridium* Harold from Mexico and Guatemala (Coleoptera: Scarabaeidae: Scarabaeinae: Coprini: Ateuchina)1. *The Coleopterists Bulletin*, Lawrence, v. 58, n. 2, p. 247, 2004. Citações a partir de 1996 (788526261, ES)
- Vaz-De-Mello, F. Z. ; Louzada, Júlio Neil Cassa . *Dichotomius schiffleri*. In: Angelo Barbosa Monteiro Machado; Gláucia Moreira Drummond; Adriano Pereira Paglia. (Org.). *Livro Vermelho da Fauna Brasileira Ameaçada de Extinção*. 1 ed. Belo Horizonte, Brasília: MMA, Fundação Biodiversitas, 2008, v. I, p. 367-368. (788526261, ES)
- Veen, J., Brouwer, J., Atkinson, P., Bilgin, C., Blew, J., Ekşioğlu, S., Hoffmann, M., Nardelli, R., Spina, F., Tendi, C., Delany, S. (2007) Ornithological data relevant to the spread of Avian Influenza in Europe (phase 2): further identification and first field assessment of Higher Risk Species. *Wetlands International*, Wageningen, The Netherlands, 60 pp. (807603503, EN)
- Verdú, J., C. Moreno, G. Sánchez-Rojas, C. Numa, E. Galante y Gonzalo Halffter. 2007. Grazing promotes dung beetle diversity in the xeric landscape of a Mexican Biosphere Reserve. *Biological Conservation*. 140: 308-317 (810201330, ES)
- Viidalepp, Jaan. 1996. Checklist of the Geometridae (Lepidoptera) of the former U.S.S.R. *Apollo Books*, Stenstrup. 111 pp. (804913571, EN)
- Vilhelmsen, L. 2003. Phylogeny and classification of the Orussidae (Insecta: Hymenoptera), a basal parasitic wasp taxon. *Zoological Journal of the Linnean Society* 139: 337-418. (796017111, EN)
- Vilhelmsen, L. 2004. The old wasp and the tree: fossils, phylogeny and biogeography in the Orussidae (Insecta, Hymenoptera). *Biological Journal of the Linnean Society* 82: 139-160. (796017111, EN)
- Vilhelmsen, L. 2005. *Chalinus albitibialis*, a new species of Orussidae (Insecta, Hymenoptera) from Morocco. *Zootaxa* 880: 1-7. (796017111, EN)
- W Knee and H Proctor. "Host records for the northern fowl mite, *Ornithonyssus sylviarum* (Mesostigmata: Macronyssidae), from birds of North America (Canada, USA, and Mexico)." *Journal of Medical Entomology* 44 (2007): 709-713. (788287211, EN)
- W Knee, H Proctor and T Galloway. "Survey of nasal mites (Rhinonyssidae, Ereyetidae, and Turbinoptidae) associated with birds in Alberta and Manitoba, Canada." *The Canadian Entomologist* 140 (2008): 364-379. (788287211, EN)
- W. M. Boyce, S. P. Lawler, J. M. Schultz, S. J. McCauley, L. S. Kimsey, M.K. Niemela, C.F. Nielsen, and W.K. Reisen. 2007. Nontarget effects of the mosquito adulticide pyrethrin applied aerially during a West Nile Virus outbreak in an urban California environment. *Journal of the American Mosquito Control Association* 23(3):335-339. (807432048, EN)
- W. Pulawski and M.A. Prentice. 2008. (30 Sept.). A revision of the wasp tribe Palarini Schrottky, 1909 (Hymenoptera: Apoidea: Crabronidae). *Proceedings of the California Academy of Sciences* (Series 4) 59:307-479. (805197173, EN)
- W. Pulawski. 2007. The wasp genus *Tachysphex* Kohl, 1883, of Sahara, Sub-Saharan Africa, the Arabian Peninsula, and Madagascar (Hymenoptera, Apoidea: Crabronidae). *Proceedings of the California Academy of Sciences* (Fourth Series) 58 (Supplement 1):1-698 (805197173, EN)
- Wang, X.P. & Jäger, P. (2007): A revision of some spiders of the subfamily Coelotinae F.O.Pickard-Cambridge 1898 from China: transfers, synonymies, and new species (Arachnida, Araneae, Amaurobiidae). — *Senckenbergiana biologica* 87 (1): 23–49 (789954185, EN)

- *WAP-complex birds* (801885680, FR)
- water frog mating call analysis (804780925, EN)
- Waterway, M. J. 1996. Genetic variation in the endemic California sedge *Carex hirtissima* (Cyperaceae). *Madroño* 43: 1-14. (810057771, EN)
- Waterway, M. J. 1994. Evidence for the hybrid origin of *Carex knieskernii* with comments on hybridization in *Carex* (Cyperaceae). *Canadian Journal of Botany* 72: 860-871. (810057771, EN)
- *We prepare environmental conservation posters and we participated in 2007 in the Earth Day* (789477115, ES)
- Web Flora Arvense de Navarra:
http://www.unavarra.es/servicio/herbario/htm/Card_hirs_mapa_GBIF.htm (809335155, ES)
- Web of Science (807356212, EN)
- *Wei, Y. H., Lee, F. L., Hsu, W. H., Chen, S.R., Chien, C. C., Wen, C. Y., Lin, S.J., Chu, W. S., Yuan, G. F. and Liou, G. Y.. 2004. Pseudozyma antarctica in Taiwan: a description based on morphological, physiological and molecular characteristics. Bot.Bull. Acad. Sin. 46:223-229* (800536896, CN)
- West-Eberhard, M. J., J. M. Carpenter and P. E. Hanson. 2006. Familia Vespidae. In Hanson, P. E. and I. D. Gauld, Hymenoptera de la Región Neotropical. *Memoirs of the American Entomological Institute* 77: 617-644. (788046697, EN)
- Wetterer, J.K., Espadaler, X., Ashmole, N.P., Mendel, H., Cutler, C. and J. Endeman. 2007. Ants of the South Atlantic islands of Ascensión, St Helena, and Tristan da Cunha. *Myrmecological News* 10: 29-37. (804145490, ES)
- Wetterer, J.K., Espadaler, X., Wetterer, A., Aguin-Pombo, D. & A.M. Franquinhho-Aguiar. 2007. Ants (Hymenoptera: Formicidae) of the Madeiran Archipelago. *Sociobiology* 49: 265-297 (804145490, ES)
- Wharton, D. A., Goodall, G., & Marshall, C. J. (2002). Freezing rate affects the survival of a short-term freezing stress in *Panagrolaimus davidi*, an antarctic nematode that survives intracellular freezing. *Cryo-Letters*, 23(1), 5-10. (789392808, EN)
- White, P.J., and J. T. Kerr. 2006. Contrasting spatial and temporal global change impacts on butterfly species richness during the 20th century. *Ecography* 29: 908-918. (803743468, EN)
- White, P.J., and J. T. Kerr. 2007. Human impacts on environment-diversity relationships: evidence for biotic homogenization from butterfly species richness patterns. *Global Ecology and Biogeography* 16, 290-299. (803743468, EN)
- *Wild rabbit (Sylvilagus cunicularius) study* (806794474, ES)
- Wille, M., Maidana, N. I., Schäbitz, F., Fey, M., Habertzettl, T., Janssen, S., Lücke, A., Mayr, C., Ohlendorf, C., Schleser, G. H., Zolitschka, B. 2007. Vegetation and climate dynamics in southern South America: the microfossil record of Laguna Potrok Aike, Santa Cruz, Argentina, *Review of Palaeobotany and Palynology* 146: 234-246 (804325205, ES)
- Willis, F., J. Moat, Paton, A. 2003. "Defining a role for herbarium data in Red List assessments: a case study of *Plectranthus* from eastern and southern tropical." *Biodiversity and Conservation* 12(7): 1537-1552 (810034473, EN)
- Witt, A.B.R., Mcconnachie, A.J. & Stals, R. 2004. *Alcidodes sedi* (Col.: Curculionidae), a natural enemy of *Bryophyllum delagoense* (Crassulaceae) in South Africa and a possible candidate agent for the biological control of this weed in Australia. *Biological Control* 31(3): 380-387. (788745446, EN)
- *Woods and primates of the world* (801885680, FR)
- *Work group for the flora of Rhone-Alpes* (800740194, FR)
- *Work program on Protected Areas* (801885680, FR)
- World Checklist of Selected Plant Families www.kew.org/WCSP/ (808459923, EN)
- Wynne 2005 A checklist of benthic marine algae of western Atlantic: second revision. *Nova Hedw. Beiheft* 129. (804325740, EN)

- Yang, Y.-R., B.-T. Kuo, 2008. *Study on the Distribution of Amphibians in Tao-Yuan by Using Investigative Data of Volunteers. 2008 Symposium on Natural Resource Conservation and Application, Tainan, June 6, 2008. Page 104-123.* (803491645, CN)
- Yi-Ju Yang, Wen-Bin Gong(2009. *Study on the monitoring of Taiwan Amphibians Biodiversity Hotspots by Using Investigative Data of Volunteers. 2009 Symposium on Natural Resource Conservation and Application, Tainan. June 5, 2009.* (803491645, CN)
- Yinxin Zeng, Wenqi Liu , Huirong Li , Yong Yu , Bo Chen (2007) : Effect of restriction endonucleases on assessment of biodiversity of cultivable polar marine planktonic bacteria by amplified ribosomal DNA restriction analysis. *Extremophiles*,11(5):685-692 (789837375, EN)
- Ylla, Josep. Contribució al coneixement dels heteròcers de l'estany de Banyoles (Insecta: Lepidoptera). *Sessions entomològiques ICHN-SCL. Vol. 9 (1997)* (796606100, ES)
- Young, J. R., Geisen, M. & Probert, I. 2005. A review of selected aspects of coccolithophore biology with implications for palaeobiodiversity estimation. *Micropaleontology* 51(4), 267-288. (797909081, EN)
- Zeng Yinxin, Li Huirong, Yu Yong, Chen Bo (2007): Phylogenetic relationship and phenotypic comparison of Psychrobacter species isolated from polar oceans. *Progress in Natural Science*, 17(1): 44-48 (789837375, EN)
- Zhang, J. X., A. G. Xue, and J. T. Tambong. Evaluation of seed and soil treatments with novel *Bacillus subtilis* strains for control of soybean root rots caused by *Fusarium oxysporum* and *F. graminearum*. *Plant Disease* (submitted) (789174777, EN)
- Ziveri, P., Baumann, K.-H., Böckel, B., Bollmann, J. & Young, J. R. 2004. Present day coccolithophore biogeography of the Atlantic Ocean. In: *Coccolithophores - From molecular processes to global impact* (edited by Thierstein, H. R. & Young, J. R.). Springer, 403-427. (797909081, EN)
- *ZNIEFF data description* (800740194, FR)
- zooplankton database (808696643, EN)
- Zumpt (1973) *Stomoxyinae of the World* (804140284, FR)
- Zunino, M. and G. Halffter. 2008. The Association of Onthophagus Beetles (Coleoptera: Scarabaeinae) with Vertebrate Burrows and Caves. *Elytron* 2007, 21: 17-55. (810201330, ES)

06 - How do you access primary biodiversity data? Please provide detailed examples of each option your select

- 1) *identifications of Dolichopodidae (diptera) from studies on the Armorican Massif* 2) *Relations with the association members* (804951687, FR)
- 1. *Analyzed fecal hormones of Formosan black bears, to study seasonal reproduction and pregnancy status.*
2. *Acquired proving from references relate to my study and to issue paper, for instance, we found increased fed in early-pregnancy will have strong probability to cause of preterm delivery for Formosan black bear in captive, because of the food increment from the early-pregnancy apparently enhanced progesterone secretion, resulting in changes in the uterine luminal environment.* (803303936, CN)
- 1. FTP with the National Park Service, USA; ANCS+/NPspecies database 2. Specimens taken out on loan or gifts/loans for determination 3. Digital images on web sites; primary institution serving its own data portal like LSU (790300687, EN)
- 1. *Primary specimen data about specimens deposited at national and foreign herbaria such as CMMEX, ENBC, UC that are held as international registers. Also, national unregistered herbaria that meet scientific criteria for treatment and use of vouchers.* 2. *Sometimes, undigitised literature data from peer-reviewed papers.* 3. *International databases such as Guiri's AlgaeBase [...] and DeCew (2007) DeCew's GUIDE [...]* (791200661, ES)
- Field surveys on invasive tunicates in New England B. Monographs available in hard copy and online versions --- marine invertebrates C. I have used GBIF data portal for checking species ranges D. I also use other online data portals such as CoML/OBIS and related products; ITIS. Individual museum databases. Societies such as Am Fisheries Soc (these are hard copy). In

using these products, I often find range errors that represent misidentification of species, and I report them to the data managers. (788459249, EN)

- *Another portal: www.tela-botanica.org/page:eflore* (804192012, FR)
- *Anthos* (808740058, ES)
- *Ask for info through servext@conabio.gob.mx* (793071056, ES)
- Australian Biological Information Facility (ABIF) (805778517, EN)
- Australias Virtual herbarium (804743560, EN)
- basically I dont trust most identifications in my own taxon, and need to see at least some of the specimens some museums have digitally photographed databases of their types I use herbarium records from various websites and parasite/oid data similarly - but almost always check with someone before using such data blindly (804726894, EN)
- bee taxonomic guides on the internet (788738209, EN)
- BG-BASE multisite Vast database (W3Tropicos) Systax (Bochum) (789779878, EN)
- Biodiversity Institute of Ontario (798601169, EN)
- BioMaps (799331109, EN)
- *Botanical Garden* (806724397, ES)
- *Catalonia Biodiversity Data Bank* (796595424, ES)
- *Catalonia Biodiversity Data Bank, Aragon Flora Atlas* (796820448, ES)
- *Catalonia Biodiversity Data Bank, National Biodiversity Inventory* (797480134, ES)
- *CONABIO* (793409884, ES)
- *CONABIO* (801161632, ES)
- *CONABIO data bank* (810201330, ES)
- *CONABIO database* (790384501, ES)
- *CONABIO site* (793172196, ES)
- *CONABIO www.conabio.mx The Paleobiology Database IUCN CITES* (791092537, ES)
- *CONABIO, MaNIS,* (809098595, ES)
- Conservation of plants in the Canary Islands Palms of Borneo Palms of the world Conifers (804416321, EN)
- checking of museum databases like <http://insects.oeb.harvard.edu/MCZ/index.htm> (796655048, EN)
- data portals of the large natural history museums (792934475, EN)
- *data posted online by various herbaria* (811539726, CN)
- Direct access to museum collections (804428750, EN)
- Discover Life (810548447, EN)
- e.g. <http://www.ipni.org/> <http://www.kew.org/data/index.html>
<http://bibdigital.rjb.csic.es/ing/index.php> <http://www.biodiversitylibrary.org/About.aspx>
<http://www.philological.bham.ac.uk/bibliography/index.htm>
<http://sciweb.nybg.org/science2/IndexToAmericanBotanicalLiterature.asp> (801425447, CN)
- *Envirnment Department, Andalusia Government* (808503964, ES)
- ERMS, ITIS databases (789952438, EN)
- EURISCO; SINGER; National databases and crop specific databases (791311969, EN)
- Examples only given for "other web portals" <http://mycology.sinica.edu.tw/Xylariaceae/>
<http://www.indexfungorum.org/Names/Names.asp>
<http://sciweb.nybg.org/science2/IndexHerbariorum.asp> (804546883, EN)
- Extensive personal collections made during the 1970s and 1980s. Examining journals for direct and indirect references to presence of species. Personal visits to herbaria. Extensive loans from herbaria. (788118223, EN)

- *faunaeuropaea.org* (806547864, ES)
- *Field Museum De Chicago Botanical Garden New York* (788855019, ES)
- Field surveys of insects and diseases. Canadian Entomologist. Electronic atlas of the fauna of British Columbia, Butterflies of N.A., etc. (788512581, EN)
- Field work- Exams from Museum collections. Scudder, S.H. Index to North American Orthoptera. O.P.Boston Soc. 1901. Vol. 6 Orthoptera Species File. Carbonell, C.S. Cigliano, M.M. Lage, C. Especies de Acridomorfos Orthoptera de Argentina y Uruguay (CDROM) (804268975, EN)
- *Field work for data acquisition. Canary Island Biodiversity Database* (797505184, ES)
- Field work/surveys (ours and contracted out) is used to populate Biotics, biodiversity data management software from NatureServe. Shapefiles from this program are exported for use in ArcGIS projects and also for use on a shared (but permission only access) data portal with the State of Maine. (797508056, EN)
- field work: sampling specimens Primary Pubs: taxonomic literature (including monographs, maps etc...) other web: GenBank, Regional checklists Reciprocal agreements: Museum samples (804220564, EN)
- Field works in former USSR (East, Central Asia) 1961-1981; East Australia 2002, French Guiana 2006, Nicaragua 2008 etc. Personal library, collection of reprints and xeroopies Taxonomic literature concerning Macrolepidoptera GBIF Data Portal search irregularly (according to needs) Webpages of lepidopterological content Cooperation and change of publications (also .pdf-s), co-authorship (804913571, EN)
- *FishBase* (805115270, ES)
- *fishbase, google scholar, ISI web of knowledge, Zoological Records* (806550563, ES)
- *Flora Iberica Programanthos* (809166705, ES)
- *For city plans, info is obtained mainly from literature; in Morelia CONABIO supplied the database. For community plans, a vertebrate inventory (anfibia, herps, birds and mammals) was made.* (795178877, ES)
- For our taxonomic research we use primary literature, usually paper-based, but frequently also pdfs, especially for younger publications. GBIF data have been used to help compiling biogeographic maps for species. For reading GBIF range maps you have to know that these maps still reflect where researchers live rather than where the species live. Also, GBIF cannot weight for correct and incorrect data. We use GBIF data with much precaution, but often they are useful though. If we need reliable information, for example the correct names, we can consult only the primary literature. Digital information can only help here if they provide links to the digitized primary literature. (789429095, EN)
- From expert as well. Rarely from Offline digital newer days. (810034473, EN)
- *from http://www.taibif.org.tw (TaiBIF)* (807573181, CN)
- *Gallica Biodiversity heritage Library Conabio (Mex.)* (788526261, ES)
- GBIF data is my least used option, because of the low quality (accuracy) resulting from lack of quality control and updating since the original digitization of the data. I am not providing detailed examples, because that would take too much time. (788173303, EN)
- *GenBank Camera* (809155814, ES)
- *Genebank* (804140284, FR)
- *gGoogle, Wikipedia* (803224153, CN)
- Good grief - this is discouragement. All of the above were used in developing the distribution maps for the grass volumes in the Flora of North America. I consider GBIF data to be too variable in quality and taxonomy to be of value. (788092186, EN)
- *google* (799090046, CN)
- *Google search* (809504663, ES)
- *GVA.ES* (808611345, ES)
- *herbaria* (804586163, EN)

- herbarium websites, and also through loans of specimens from other institutions (799233732, EN)
- HerpNet (793791487, EN)
- herpnet, biodiversity heritage library, BioOne; exchange pdfs with colleagues (804382493, EN)
- <http://bibdigital.rjb.csic.es/spa/index.php> (804457042, EN)
- <http://collections2.eeb.uconn.edu/collections/chp.html>
<http://insects.oeb.harvard.edu/MCZ/index.htm> (788368913, EN)
- <http://dbiodbs.univ.trieste.it/> (804902966, EN)
- <http://eurisco.ecpgr.org/> (790004352, EN)
- <http://fishdb.sinica.edu.tw> (800431260, CN)
- <http://florida.plantatlas.usf.edu/Default.aspx>
<http://www.botany.uga.edu/herbarium/GeorgiaAtlas/index.html> (791122013, EN)
- <http://http://nematol.unh.edu/> (804353663, EN)
- <http://paleodb.org//> (790256163, ES)
- <http://plants.usda.gov> (I also make use of GenBank and IPNI) (804273853, EN)
- <http://sciweb.nybg.org/science2/SteereHerbarium.asp>
<http://www.washington.edu/burkemuseum/collections/herbarium/index.php> collaborators send duplicate specimens, photos, etc. (810578140, EN)
- <http://www.anthos.es/> (806564706, ES)
- <http://www.anthos.es/> (809335155, ES)
- <http://www.anthos.es/> <http://bdb.cth.gva.es/> <http://www.ipe.csic.es/floragon/index.php>
<http://biodiver.bio.ub.es/biocat/homepage.html> (799744522, ES)
- <http://www.anthos.es/> <http://www.ipe.csic.es/floragon/index.php>
<http://www.cma.gva.es/acce/accesibilidad.aspx?nivel=2&nodo=2378&idioma=C>
<http://www.floramontiberica.org/entrada.htm> <http://herbarivirtual.uib.es/cat-med/index.html>
<http://www.herbariovirtual.ua.es/> (797469049, ES)
- <http://www.bwars.com/> <http://www.atlashymenoptera.net/> <http://www.artdata.slu.se/dyntaxa/>
http://www.wildbienen.info/faunistik/bienen_d_1.php <http://www.itis.gov/beechecklist.html>
http://www.aculeata.de/Fauna_M-V/Apidae_MV/apidae_mv.html (795908935, EN)
- <http://www.cate-sphingidae.org/index.do> <http://tpittaway.tripod.com/china/china.htm>
<http://www.ento.csiro.au/gallery/moths/Sphingidae> http://www.sphin-sea.unibas.ch/SphinSEA/SphinSEA_home.htm
<http://www.silkmoths.bizland.com/danjansphinx.htm> (797563184, FR)
- http://www.cbnm.org/index.php?option=com_content&task=view&id=39&Itemid=93&limitstart=4
<http://www.ipni.org/ipni/plantnamesearchpage.do> <http://www.ars-grin.gov/cgi-bin/npgs/html/taxgenform.pl?language=fr> <http://epic.kew.org/searchepic/searchpage.do>
<http://www.tropicos.org/>
<http://coldb.mnhn.fr/colweb/form.do?model=SONNERAT>.wwwsonnerat.wwwsonnerat.wwwsonnerat (807586134, FR)
- <http://www.cbs.knaw.nl/databases/> <http://www.atcc.org/> <http://www.dsmz.de/> (797175250, EN)
- <http://www.faunaeur.org/index.php> (806684923, ES)
- <http://www.faunaeur.org/index.php> (807122567, ES)
- <http://www.insectariumvirtual.com> (807617434, ES)
- <http://www.itis.gov/> <http://www.ipni.org/ipni/plantnamesearchpage.do> <http://test.tropicos.org/>
http://www.catalogueoflife.org/annual-checklist/search_scientific.php (796599999, ES)
- <http://www.leps.it> <http://www.nic.funet.fi> <http://www.noctuidae.de> (807271476, ES)
- <http://www.marbef.org/data/erms.php> (799876886, EN)
- <http://www.marm.es> (808452220, ES)
- <http://www.mnhn.fr/base/sonnerat.html/> <http://www.aluka.org/> (799348997, FR)

- <http://www.mobot.org/MOBOT/Research/APweb/welcome.html>
<http://mobot.mobot.org/W3T/Search/vast.html> <http://www.ipni.org/index.html>
<http://apps.keew.org/wcsp/home.do> <http://www.keew.org/data/grasses-db/intro.htm>
<http://www.aluka.org/page/content/plants.jsp> <http://flore.cbnm.org/index.php> (789977268, EN)
- <http://www.natureserve.org/explorer/> (801835961, EN)
- <http://www.nrm.se/botany/krypto-s> <http://www.aluka.org> (788714731, EN)
- <http://www.on.ec.gc.ca/eman/index.cfm> Data sets developed used standardized ecological monitoring protocols. (788052928, EN)
- <http://www.rjb.csic.es/jardinbotanico/jardin/index.php?Cab=109&len=es> <http://www.sp2000.org/> (807636396, ES)
- I collect. I accumulate data from trusted publications and publications I can interpret, and people send me specimens and observations. Data in GBIF are too full of errors for me to use. (804123890, EN)
- I do not use any webbased datasets or offline data sets, because they are not at all reliable, because of wrong identifications that can not be checked on original material. The only trustworthy primary data can be obtained from preserved material in museum collections, from (peer-reviewed) articles and books, and from my own field observations. (804376501, EN)
- *I go to CONABIO web and I search there whatever information I need. I must point out that I only consult the information, without copying, and anyway I cite the sources. Primarily I use the cards to see whether the flora or fauna I'm searching is already within NOM 059.* (789477115, ES)
- I maintain and consult my own biodiversity sites for the Lecythidaceae and floras of the Osa Peninsula, the island of Saba, and French Guiana. See my home page for links to these sites. (808095245, EN)
- I only use GBIF and ITIS for confirming taxon names and authors. Its not useful for insects otherwise. (807432048, EN)
- INPI (788106201, EN)
- *INPN, TELA Botanica portals* (800740194, FR)
- *Institute of Ecology* (794211825, ES)
- *International databases such as FishBase, SP2K, etc* (810126145, ES)
- *IPNI, GRIN, virtual herbaria, etc.* (797420204, ES)
- ITIS.gov CalFlora (788184331, EN)
- IUCN Red Data List in web (805792124, EN)
- IUCN, NatureServe, REMIB (789918245, EN)
- *I've never used them, at least consistently* (809332187, ES)
- Manis Bold Genbank (804330245, EN)
- MaNIS ORNIS etc (788842865, EN)
- *manis, herpnet* (790646093, ES)
- MaNIS, HerpNET, ORNIS & FishNet II (791614428, EN)
- MaNIS: <<http://manisnet.org/>> IRSNB:
<<http://www.naturalsciences.be/darwin/darwin/Search/form>> (804168602, EN)
- *Masters or PhD dissertations related to my work topic. Tropical biology books. On-line databases: Tropicos and NYBG.* (790588481, ES)
- *Materials review at Museums and databases. Fish sampling from the field. Literature review.* (804691270, ES)
- Missouri Botanical Garden's (MO) Tropicos Website Smithsonian's (US) Online Type Images (788371183, EN)
- *Mobot (tropicos database), on-line Herbariums (Harvard, New York Botanical Garden y otros)* (789263477, ES)
- *MOBOT, KEW, etc* (788942982, ES)
- MOBOT, TROPICOS (808236440, EN)

- Museum based research, studying specimens in collections. (788162326, EN)
- Museum Collection Webpages (791208480, EN)
- *Museum Collections* (804925480, ES)
- Museum collections (807649898, EN)
- *Museum database* (796606100, ES)
- *Name and Taxonomy searches for specific biological groups, through a listing of data providers, for specific regions including Mexico* (791081861, ES)
- NatureServe represents an international network of biological inventories-known as natural heritage programs or conservation data centers-operating in all 50 U.S. states, Canada, Latin America and the Caribbean. Each NatureServe member program has a variety of mechanisms for accessing primary biodiversity data. (811046108, EN)
- *NCBI, EMBL, PDB* (813299058, CN)
- NISBase, GISIN (788192263, EN)
- OBIS/Seamap (804411845, EN)
- *Offline USON database. <http://swbiodiversity.org/seinet/index.php>* (791301728, ES)
- online herbaria (788670827, EN)
- *On-line herbaria* (789285008, ES)
- online plant atlases (791161686, EN)
- Other Herbariums, plants.usda, Eflora, BC CDC, IPNI, emails to experts. (810238490, EN)
- *Other online portals: <http://manisnet.org/>, www.conabio.gob.mx* (793316601, ES)
- Other web based data portals: www.antbase.org (807306375, EN)
- Other web based databases: Tropicos, REMIB; other individuals: various. (804339720, EN)
- our own portals to national datasets. (796392897, EN)
- Paleo Portal (788132571, EN)
- Paleoportals Paleobiology database (788134756, EN)
- *Papers. Reprint requests. Research projects* (804372510, ES)
- *personal collection records, primary literature, other museum collection list.* (800590953, CN)
- PRECIS - Pretoria Computerised Information Systems. Obtained list of species within South Africa. (804604905, EN)
- *Proyecto Anthos IPNI* (809182613, ES)
- *Publicaciones <http://www.faunaeur.org/> <http://sp2000europa.org/>* (806753199, ES)
- *Question: I am not sure what "Access" means here. Is it deposit or retrieve?* (801130797, CN)
- *REmib, international collections databases* (794026967, ES)
- *Sampling trips with Master and PhD students. Thesis and reports on tropical countries. Revisions of families and genera (Bertierra, Bulbophyllum...). GBIF portal (I teach students how to use it). IPNI.* (788686273, FR)
- *Sampling, identification and preservation. Consulting IPN and Biology Institute Annals. Fish fauna of rivers and catchements. CONABIO public access databases or under request for specific areas of interests (www.conabio.gob.mx). From other Universities and IPN. Within interdisciplinary groups created for multi-institution projects: CIDIR, UNAG, etc. FishBase, NeoData II. And foreign universities' collections.* (794025942, ES)
- *ScienceDirect, Bioone, Wiley Interscience, Springer, etc* (805947884, ES)
- scientific collections (803046147, EN)
- SeSam (Senckenberg) (789954185, EN)
- *Specialist databases: FLOW: <http://flow.snv.jussieu.fr/cgi-bin/flowsite.pl> COOL: <http://rameau.snv.jussieu.fr/cool/index.php> Psyllist: <http://rameau.snv.jussieu.fr/cgi-bin/psyllesexplorer.pl> FlatBug: <http://rameau.snv.jussieu.fr/cgi-bin/aradexplorer.pl>* (800587696, FR)

- *Specific webs for birds, herps, botany, nature photography: antos, mma, etc.* (807602390, ES)
- *Survey data by volunteers* (803491645, CN)
- The Government of Canada provides limited funding for a Canadian portal to GBIF and ITIS called "CBIF". It provides access to an on-line mapping tool that links to GBIF datasets. (804595709, EN)
- The potential benefits of linking global invasive species data with primary biodiversity data have not yet been exploited. (789289044, EN)
- The program Coral Geographic has been used throughout the world - it contains all records of all species - details sent separately (802988610, EN)
- There are many examples in my research. (804101235, EN)
- This is mainly undertaken by consultants / contractor that undertake these assignments for our UNDP-GEF Mainstreaming Biodiversity Project (788655254, EN)
- Through field work and surveys done by other individuals that work for the state government, non-profits, and private businesses. (788351066, EN)
- *Through field work by other teams* (806267880, ES)
- *Through free-access databases at the University of Mexico and other: U. Texas, Texas A & M, U. Arizona, MBG, Harvard, NSC NY, Kew mainly. Conabio, CoL, GBIF, IPNI, APNI, USDA plants, etc.* (802031346, ES)
- *Through TaiBIF to retrieve GBIF data* (800475236, CN)
- Through Thematic and Regional OBIS Nodes (789544287, EN)
- too many to list separately, but a lot come from field work and from the NHM collection and loans from other institutions (796658636, EN)
- Trichoptera World Checklist (798217342, EN)
- TROPICOS (789950710, EN)
- *Tropicos Conabio* (790716449, ES)
- *Tropicos ILDIS* (801091995, FR)
- *TROPICOS IPNI Flora of North America: http://www.efloras.org/flora_page.aspx?flora_id=1 NatureServe PLANTS GRIN* (801621840, FR)
- TROPICOS IPNI SEINET Oregon Flora Plant Atlas Oregon Flora Database Oklahoma Vascular Plant Database New York Botanical Garden Database Fairchild Botanical Garden Database Natural History Museum (London) Linnaean Database Florida Vascular Plant Atlas Consortium of California Herbaria Database (789013767, EN)
- *TROPICOS, IPNI,* (792042500, ES)
- *tropicos.org* (788497924, ES)
- Tropics (808459923, EN)
- University of Alaska - Museum of the North - specially the multi-collection search engine: ARCTOS <http://arctos.database.museum/SpecimenSearch.cfm?CFID=496031&CFTOKEN=57696485> I also use NatureServe a lot. Our database is available free on the internet: NWT Species Infobase (www.enr.gov.nt.ca) (788900448, EN)
- USDA Plants database Tropicos plants database (805077604, EN)
- Various taxon restricted websites. Various open taxon related discussion groups. General web searches. (804315730, EN)
- Various web sites, I have tried the GBIF portal many times but never found the data useful (804966964, EN)
- virtual museum of the Strickland Museum of Entomology <http://www.entomology.ualberta.ca/> (790612784, EN)
- We are a GBIF data provider ourselves. In addition, we store data at the Systax database (see www.dorsa.de). Basically I prefer to access data through GBIF, even my own data (if available)

on the web), because I get updated and complementary datasets from other contributors (805771465, EN)

- We collect butterfly observations from many field locations across Canada each year. We retrieve observations from older monographs and publications and digitize them. That includes deriving observations directly from published maps. (803743468, EN)
- We have a library where we can look up information. The Fauna of New Zealand is used in every project to check presence absence in New Zealand. We have a database of interception records collected by MAF quarantine staff that we have access to. The GBIF Data Portal is used to get distribution information for other countries. Web based portals such as ScaleNet/VIDE and Landcare Fungal Database are used to get information on specific organism groups. We pay for biological abstracts online through CABI International (OVID/CPC). There is an institutional agreement with a private organisation (Crown Research Institute) for access to information. (790534038, EN)
- We try to collect/view data from many areas, but we're not (790122286, EN)
- We use OBIS (Ocean Biogeographic Information System) and DFO (Canadian Department of Fisheries and Oceans) databases. Also WoRMS (World Register of Marine Species) and FishBase (803995773, EN)
- *Web site of other culture collection center such as ATCC, DSMZ, CBS, NBRC etc.* (800536896, CN)
- web sites e.g., TROPICOS, IPNI, Digital type collections/virtual herbaria of e.g., NY US F GBIF used to search for available occurrence data and screen for herbarium collections not seen of potential importance (798262770, EN)
- web-based data portals - OBIS, fishbase, fishnet (793676937, EN)
- *Websites of other NTU departments & graduate institutes such as Botany, Zoology, Entomology, etc.* (797394842, CN)
- *Websites of various specimen repositories* (800573355, CN)
- *websites: conabio, uicn, on-line peer-reviewed articles* (794551257, ES)
- *whatever options are available at the moment* (801885680, FR)
- Worms (804179308, EN)
- www.andeanbutterflies.org <http://nymphalidae.utu.fi/> (797535243, EN)
- www.anthos.es (797396385, ES)
- www.anthos.es (797416860, ES)
- www.anthos.es/ <http://bdb.cth.gva.es/> <http://biodiver.bio.ub.es/biocat/homepage.html> (797478099, ES)
- www.bcrc.firdi.org.tw (805694226, CN)
- www.biodiversidad.navarra.es (807592721, ES)
- www.bioportal.si (797815963, EN)
- www.conabio.gob.mx (793076383, ES)
- www.hormigas.org (804145490, ES)
- www.indexfungorum.org (800584469, ES)
- www.itis.gov www.noaa.gov www.dnabarcoding.org www.ncbi.nlm.nih.gov www.unal.edu.co www.unicartagena.edu.co (805186352, ES)
- www.periodicoscapes.com.br (804198863, ES)
- www.sabif.ac.za (800601126, EN)

07 - Frequency of access: Other (please specify)

- 2-5x / week (788368913, EN)
- *about once a week* (807573181, CN)
- *according to specific needs, and updates* (794025942, ES)

- *as needed* (801885680, FR)
- At least 2-3 times a week (803718291, EN)
- but not GBIF daily! (798262770, EN)
- *Daily during a certain period. Once I have the information I don't access any more* (790588481, ES)
- *Every time I need it* (789561787, ES)
- *every two or three days* (807592721, ES)
- *every week* (813407949, CN)
- Frequency estimate primarily to our own database. For other datasets: once a month. (790004352, EN)
- frequent - at least weekly but not daily (804966964, EN)
- *from time to time* (803296708, CN)
- *herbarium COL* (800394959, ES)
- I don't understand the question (796595322, EN)
- It all depends, I have 12 people working in my lab, some generate data daily, sometimes we access stuff from the web once a year - the variance is so high for the different numerous uses that the question is impossible to answer (810548447, EN)
- n/a (796007832, EN)
- *never* (809332187, ES)
- *normally, every few days* (799744522, ES)
- *not yet tried* (800420199, CN)
- Once a week (791614428, EN)
- *once a week* (800740194, FR)
- Probably a little more than once a month. (803743468, EN)
- Several times a month (810057771, EN)
- *several times a week, according to need* (802031346, ES)
- several times per month (799331109, EN)
- *several times per week* (797563184, FR)
- Twice a week (799292774, EN)
- Varies as I'm currently doing contract work. Can be daily; then a large gap of several months. (788459249, EN)
- *very regularly, several times per month* (800587696, FR)
- Weekly (788118223, EN)
- *weekly* (790716449, ES)
- *weekly* (793243372, ES)
- weekly (805778517, EN)
- *weekly* (806756252, ES)
- *weekly* (810688992, ES)
- Weekly (more than monthly, less than daily) (790316793, EN)

09 - If you are accessing datasets through access points other than the GBIF data portal, why?

- 1) our own portals provide the necessary national perspective 2) the GBIF portal has an unacceptable response time for anything other than a trivial query. 3) If you mean 'you' in the sense of my organisation, then its because most people don't know about GBIF and wouldn't use it anyway because of 1 & 2 (796392897, EN)

- *A lot of data are unreliable because they are not checked, are not exhaustive, do contain important errors, or are directly known.* (808821546, ES)
- Access to GIS shapefiles (801835961, EN)
- As alternative when connection to GBIF portal unavailable (788533978, EN)
- Better knowledge of data quality (796220458, EN)
- Contributing records to the USDA Plants database as we have received funding from them (805077604, EN)
- Coral Geographic is an information provider, not user (802988610, EN)
- Data sets more complete in terms of data fields provided as compared to Darwin Core provided through GBIF. Easier to find data sets and records with multimedia info such as pictures. (795908935, EN)
- Do not access GBIF - too poor quality in many ways - the reliability is uncertain (796007832, EN)
- Encyclopedia of Life is new... I like it. How do I share our data with you and EOL? (788900448, EN)
- Essentially, we get the digital kinds of data directly from our regional provider (Agriculture Canada) just because it is no different than doing it through GBIF and our needs are simple enough that no additional material is needed. (803743468, EN)
- Existing relationships / agreement with partner organizations. (811046108, EN)
- GBIF caters only a very specific subset of queries, which are useless for our purposes. (797175250, EN)
- GBIF data for bumblebees are unreliable and I would not use them (796658636, EN)
- GBIF does not cover the taxa that I most weften need information on. Those that are covered do not have the most up to date nomenclature in GBIF, at least the last time I looked. (804500588, EN)
- GBIF does not include extinct organisms. No paleontological data (788950260, EN)
- GBIF has very few records (804586163, EN)
- GBIF is particularly slow and cumbersome for daily access via the web (789779878, EN)
- *Got the data through www.conabio.gob.mx* (793076383, ES)
- I am often looking for specimen images - not available (as far as I know) from GBIF. I also want to filter out observation-only data; not present in other datasets I consult. (789623369, EN)
- *I do first a Google search that normally yields a number of sites containing biodiversity data. Generally (but not always) main sites are linked to GBIF.* (797563184, FR)
- I do not know waht OBIS is? (810238490, EN)
- I do not really trust the data in OBIS or GBIF. (804123890, EN)
- *I don't use GBIF data* (798873040, FR)
- I have more confidence in the quality of the information AND I can find what I need much more easily. (788092186, EN)
- I never managed to get data from the GBIF portal, always have a message that the it is downloading the data only (789977268, EN)
- I only use preserved museum material and no digital datasets, which I consider unreliable (804376501, EN)
- I only access data through my own sites. My experience with other data indicates that it is so full of error that it is not worth accessing. (808095245, EN)
- I prefer to use information directly from the online databases rather than through the GBIF portal. (789395657, EN)
- *I received the information about this survey via ervext@conabio.gob.mx* (793071056, ES)
- I use whatever I get when I Google. (788123063, EN)
- I would first look at the GBIF portal, if the data is not available - I would look elsewhere (791724393, EN)
- identifications www.crustacea.net (789957944, EN)
- I'm actually not to familiar with the names you're using. (790122286, EN)

- *Internal data* (799720113, FR)
- It is usually better to obtain the data directly from the original source. Not all data shown by www.artportalen.se show up in the corresponding GBIF websites, perhaps due to technical differences in the systems used. (789429095, EN)
- It's simpler to go directly to the portal for a given organization if it's their data, specifically, that I want to access (810168013, EN)
- *Lack of awareness and ease of use of known sites* (794025942, ES)
- Many of the organisms are not yet reported through GBIF (804127770, EN)
- more complete data (804168602, EN)
- more information is often available on local sites (790612784, EN)
- more relevant to work; germplasm databases provide the kind of information I am seeking (793276439, EN)
- *N/A* (790996987, ES)
- need only within region data (794212955, EN)
- *No using experience.* (813400553, CN)
- not necessarily the same information (793791487, EN)
- Not sure, this is undertaken by others for us (consultants) (788655254, EN)
- Often I've talked with someone who recommends a particular approach (word of mouth advertising). Habit and tradition do play a large role in work patterns. (788459249, EN)
- Our museum database Arctos has much better mapping and search features than GBIF's portal:
<http://arctos.database.museum/SpecimenSearch.cfm?CFID=1048775&CFTOKEN=34496382> (788368913, EN)
- Performance (788192263, EN)
- Taxonomy is more up to date, which is somewhat a problem with GBIF and fungal taxonomy (804546883, EN)
- Test queries show not much data present - yet. Service looks most useful for locating specialists of under-studied taxa. (804315730, EN)
- The GBIF search function only allows for very limited queries. (791614428, EN)
- The information flow between GBIF and other portals is still not without problems, I am constantly diagnosing inconsistencies (805771465, EN)
- The only thing I know about GBIF is that the folks at NatureServe asked its member programs to do this survey. (797508056, EN)
- those herbarium specimens that have images are easier to find directly through the herbarium's search site (788670827, EN)
- We like GBIF, but we are funded by partners who require us to behave in certain ways. (793207067, EN)
- We only use biodiversity information to enhance our educational descriptions of the video's, and don't use the GBIF data as such (799296704, EN)
- *.Kml* (799090046, CN)
- *.Kml* (810646790, CN)
- *.Kml* (811524723, CN)
- *.SHP* (808452220, ES)

10 - Select the data formats which you often choose to access the primary biodiversity data: Other (please specify)

- A vague question. What does it mean? You 'access' biodiversity generally through pixels on a screen. Do you mean 'how do you integrate biodiversity data into your work'? If so, then any form it comes in. (796392897, EN)

- Access (796220458, EN)
- Access (800740194, FR)
- Access (805077604, EN)
- Access (806756252, ES)
- Access (Ms format) (797416860, ES)
- Access . mdb (794025942, ES)
- Access database (788616107, EN)
- Always trying Excel but... the GBIF usually crashed before I download anything, I just look species per species, site per site. (788900448, EN)
- ArcGIS shapefiles (796079107, EN)
- Buh? (788123063, EN)
- copying down relevant items with a pencil - sometimes the fastest (789950710, EN)
- Delta databases (789957944, EN)
- Except for Excel (which I seldom use), I do not know the other formats listed. (804457042, EN)
- FASTA (797563184, FR)
- FileMaker (internal and shared data) (798873040, FR)
- FileMaker Pro (791301728, ES)
- GIS shapefiles and geodatabases. (811046108, EN)
- google world data files (798262770, EN)
- hard- and electronic-copy scientific (i.e., format is text) (788287211, EN)
- Hard copy: books, scientific periodicals. (788162326, EN)
- HTML (788497924, ES)
- I do not choose, it depends of data format on concrete web portal (807306375, EN)
- I do not usually download the data but use what is on the computer screen. (792934475, EN)
- I have yet to download such data. (789623369, EN)
- I use KE Emu which is the database used by The New York Botanical Garden. (808095245, EN)
- I'd have to ask the people in my lab that actually do this work. I myself do taxonomy and so almost never access data through the web yet (810548447, EN)
- it depends (807602390, ES)
- just a note on this question, you meaning to access by downloading data? not very clear from the user point of view. (791311969, EN)
- Map layers (various formats); MS Access format (805792124, EN)
- Matrices (804416321, EN)
- MDB (Access) (805115270, ES)
- Microsoft Access (793076383, ES)
- Microsoft Access (797175250, EN)
- Microsoft Access (809896381, EN)
- MS Access (788052928, EN)
- MS Access database (807674678, ES)
- My research partners & computer guys use others (e.g. dump). (788459249, EN)
- n/a (796007832, EN)
- not for downloading (788687099, EN)
- Not sure, this is undertaken by others for us (consultants) (788655254, EN)

- Only use these maps as a first impression of a total distribution, but never as a basis for scientific data sampling. For that I only use published point maps. (804376501, EN)
- *Oracle* (810014479, FR)
- Original fieldwork, all reserach publications taxonomically corrected (802988610, EN)
- *Other spreadsheets* (788526261, ES)
- *Own or colleague's field work* (806267880, ES)
- Primarily through a shapefile, used primarily in ArcGIS 9.3. KML of some of our features is used on our website for display in Google Earth. We produce a lot of maps for various purposes. (797508056, EN)
- Reading it directly (799368736, EN)
- SAS (791340836, EN)
- searches within germplasm databases; eg GRIN-CA (793276439, EN)
- *Shape files* (793408259, ES)
- *Shape files *.shp* (808432399, ES)
- Shapefiles, hardcopy (788192263, EN)
- Shapefiles, MS Word documents, dBase files, photographs, scans of hand-written field notes and sketches. (801835961, EN)
- Shapefiles, points and polygons (789918245, EN)
- *shp covertures or similar* (808503964, ES)
- Varied. (788046697, EN)
- View on line (791161686, EN)
- We only use biodiversity information to enhance our educational descriptions of the video's, and don't use the GBIF data as such (799296704, EN)
- web pages (794212955, EN)

11 - GBIF serve data in all the formats listed in the previous question. If GBIF were to serve data in other formats, which would be your preference(s)? Open-Ended Response

- **.ods* (788526261, ES)
- *.dbf* (791208480, EN)
- *.mdb(Access)* (813414390, CN)
- *.SHP* (808452220, ES)
- *.SHP format maps* (804721133, ES)
- *?????* (789623369, EN)
- *Acces* (804929467, ES)
- *Access* (814930803, CN)
- *Access* (796220458, EN)
- *Access* (804867643, EN)
- *Access* (805339208, EN)
- *Access* (789736560, ES)
- *ACCESS* (791092537, ES)
- *ACCESS* (804928277, ES)
- *Access* (810126145, ES)
- *Access mdb and Excel in order to use filters and pivot tables* (794025942, ES)
- *Access's .mdb* (804917555, CN)

- ArcGIS shapefiles (796079107, EN)
- *ArcGIS Shapefiles* (788283142, ES)
- ArcMap shapefiles, with full data in the attributes. (788173303, EN)
- ArcView Shapefile (790334068, EN)
- *Autocad, GIS* (806487291, ES)
- *Basically, ArcView shapefiles* (789561787, ES)
- Cora Geographic is GIS based but has attendant literature, environmental data etc in any form (802988610, EN)
- *CSV is enough* (811712867, CN)
- *Data Bases* (807122567, ES)
- data formats listed are good. I don't use GBIF for my needs because the taxa that I principally work with (mites) are very poorly represented in the GBIF database. One hopes that the CNCIAN data from Ottawa will be input at some time. Then I would find GBIF very useful! (788287211, EN)
- DBase (804291266, EN)
- *dbf* (790646093, ES)
- *dbf* (797732559, ES)
- *DBF* (804882356, RU)
- *DBF MS Access* (797480134, ES)
- *DBF and better yet, SHAPE-associated DBF* (809335155, ES)
- Depends on the use (789392808, EN)
- distribution data in csv; both as regular coordinates and some transformed versions (789950710, EN)
- Dot maps Matrices excel files Access files (804416321, EN)
- *Electronic journal* (794551257, ES)
- Enough choice above. (788386146, EN)
- ESRI shapefile (793676937, EN)
- *excel* (800588190, CN)
- *excel* (802086385, CN)
- *excel* (803247266, CN)
- *excel* (811710761, CN)
- excel (788687099, EN)
- Excel (790300687, EN)
- Excel (791340836, EN)
- excel (794212955, EN)
- *excel* (801161632, ES)
- Excel formate is good (805043725, EN)
- Excel is my preferred format (804127770, EN)
- Excel or Tab delimited (789174777, EN)
- *Excel spreadsheet* (790526619, ES)
- Excel, text (790534038, EN)
- *Excel, Text, arcview (shape)* (793408259, ES)
- *Excel, Tab-separated text, Maps* (793409884, ES)
- excel. access (804946772, EN)
- Excell (807356212, EN)

- *FileMaker Pro* (791301728, ES)
- *FileMaker.* (796606100, ES)
- Files that can be read directly into Matlab (e.g. *.MAT) or easy to use with statistical packages such as R (which can normally read in CSV files fine) (803995773, EN)
- *For example, for data with locality I'd like to get directly the SHP for the range of a given species* (796830098, ES)
- *GBIF data formats are flexible enough for my uses* (805186352, ES)
- *GIS formats to locate species. Excel, Open Office* (800740194, FR)
- GIS formats. All of our spatial data are managed in GIS systems. (811046108, EN)
- *GIS layer* (799090046, CN)
- *GIS layers (*.shp)* (798178007, CN)
- *GIS metadata, postgis* (802534229, ES)
- GIS shapefiles (791724393, EN)
- *high-resolution maps* (808821546, ES)
- How the data is formatted at the record level isn't really an issue. Most savvy users can manipulate data into a form they can use. What GBIF should focus on is how to package and present that data for non-savvy users, i.e. configurable summaries with maps and served as embeddable URL links or offline PDFs. (796392897, EN)
- I am not sure. I use Access database for the herbarium information. (799368736, EN)
- I do not use GBIF data. (808095245, EN)
- *I don't know* (790473914, ES)
- *I don't know* (807602390, ES)
- *I have no other needs* (790077577, ES)
- I really don't know. (797508056, EN)
- *I'd rather have easy access, general use formats* (797396385, ES)
- If the MySQL dump is MySQL specific in any part, the generic ANSI SQL is preferred to MySQL. XML and tab delimited is however fine. And the Excel export is great for our less technical data consumers. (790004352, EN)
- *If they could come in *.shp (ArcView-compatible shapefiles)* (791468724, ES)
- *JPG figures and maps. GIS-enabled metadata. Collection specimens photographs* (802031346, ES)
- *JPG, TIFF* (807543428, RU)
- *Kml* (798215298, CN)
- *KML* (790384501, ES)
- *Map as images* (800458689, CN)
- *maps* (809128154, ES)
- Maps as images, but in different formats and resolutions suitable for publication (e.g. in vector format, so that some datapoints can be manually deleted from a figure) (804101235, EN)
- Maps in various formats (for example, gifs, jpgs, Adobe Illustrator) (788371183, EN)
- *Maps, Excel, Word* (788855019, ES)
- *MDB* (805115270, ES)
- *MDB* (807142252, ES)
- *mdb* (808694797, ES)
- *Microsoft Access* (793076383, ES)
- *MS Access* (807271476, ES)

- *MS EXCEL spreadsheet* (789488116, ES)
- *MS Excel, Maps, KML* (793843006, ES)
- n.a. (796643378, EN)
- n/a (796007832, EN)
- N/A (798217342, EN)
- n/a (804121745, EN)
- *n/a* (804239602, ES)
- no additional needs (798262770, EN)
- *no comment* (803230075, CN)
- no other formats are needed (809149879, EN)
- no particular preference. I like Excel. (803743468, EN)
- no preference (788351066, EN)
- *no restriction* (797394842, CN)
- *no special preferences* (803303936, CN)
- *none* (800590953, CN)
- *none* (811539726, CN)
- *none* (813358480, CN)
- none (789954185, EN)
- None (809896381, EN)
- none (810238490, EN)
- *none* (793143478, ES)
- *None other* (807674678, ES)
- *None, I'm happy with the ones I use* (790126880, ES)
- None. (788046697, EN)
- Not of interest to me. (804376501, EN)
- *Other output to GIS* (793316601, ES)
- *PDF* (811762206, CN)
- *PDF* (813402112, CN)
- *PDF* (813403276, CN)
- PDF (804483380, EN)
- *Pdf* (790996987, ES)
- *pdf* (797462382, ES)
- *PDF or Word* (813427630, CN)
- *Postgres* (799720113, FR)
- *Postgresql* (799359906, FR)
- *shape* (797014335, ES)
- *shape* (799444221, ES)
- *Shape* (807046189, ES)
- *shape* (808432399, ES)
- Shape File (796324699, EN)
- *Shape file, dbf* (793875379, ES)
- Shape files or other ready to use GIS layer files (790316793, EN)
- Shapefiles (788192263, EN)

- *Shapefiles, *.shp* (790188679, ES)
- Shapefiles, Grid (789918245, EN)
- Shapefiles, photographs (801835961, EN)
- *SHP* (797505184, ES)
- *shp (shape format)* (806756252, ES)
- *shp cover or similar* (808503964, ES)
- Spatial data in MapInfo format; Tabular data in MS Access format (805792124, EN)
- *Spreadsheet text, image maps* (793087734, ES)
- *table* (807306375, EN)
- *text; TAB (MapInfo); SHAPE (ESRI)* (807586134, FR)
- The first thing GBIF might want to do is speak General User. Some of us don't speak enough Tech to know what you are asking. (788123063, EN)
- the most accurate (788512581, EN)
- *The most common ones* (808611345, ES)
- *the ones I use* (788942982, ES)
- These are fine. (793207067, EN)
- *Thos listed suffice for my needs* (795178877, ES)
- to simplify: for data csv and for maps kml (791311969, EN)
- *txt file* (807573345, CN)
- We only use biodiversity information to enhance our educational descriptions of the video's, and don't use the GBIF data as such (799296704, EN)
- *web service (XML)* (807573181, CN)
- *whatever is easy to access* (801885680, FR)
- *Word, Excel* (804413864, ES)
- XML and Mysql (800601126, EN)

12 - List the other types of data you use together with primary biodiversity data? (e.g. satellite imagery, environmental data layers such as salinity, temperature etc., land use data, infrastructure development such as housing, roads, dams, etc.):
Open-Ended Response

- *.shp file* (804917555, CN)
- *A combination of multiple data about impacts on the watershed network* (808942120, ES)
- *Access paths, elevation* (797469049, ES)
- *ADN sequences (FASTA files, trace files). Specimen images* (797563184, FR)
- *Agricultural polygons, orthophotographs, high-resolution satellite imagery (e.g. SPOT), paths, hydrological network, vegetation types, elevation, infrastructures.* (797732559, ES)
- *All cited* (808503964, ES)
- All dataset in GIS systems: satellite imagery, environmental data layers - rainfall, temp, elevation etc, Land use and impact. Vegetation maps and change maps. Population data, roads, rivers. Climate change data (810034473, EN)
- all environmental data layers; land cover data; land use data. (805792124, EN)
- all of above, i.e. primary GIS environmental data together with synthesised outputs of models which are also GIS layers. (796392897, EN)
- all what you mentioned. This is what our local Eflora does for us. (810238490, EN)
- any other metainformation (habitat, date of isolation, GIS position, etc.) (804353663, EN)

- bathymetry data layers, satellite imagery, sonar imagery (790334068, EN)
- *BD TOPO IGN (France), .tab (MapInfo)* (807586134, FR)
- *Biogeographical provinces, protected areas* (790646093, ES)
- biosecurity risks/status (national, international biosecurity assessments) Convention on Biodiversity status per organism and country CITES status per organism and country (789779878, EN)
- *Biotope thesaurus* (800587696, FR)
- *body size (i.e. length, weight, biovolume), relative abundance (e.g. ind/sq.m.), marine substrate type (rocky, sandy, etc.)* (790256163, ES)
- *Botanical photographs, aerial photography, land use, IGN maps, management data, infrastructure* (800740194, FR)
- *Cadaster, infrastructure development, satellite imagery, other* (803358761, RU)
- *Censuses, urban infrastructure, roads, land use, cover* (794786851, ES)
- *checklists* (809180532, ES)
- City planning maps, Google-earth (798601169, EN)
- Climate and topographic GIS layers, land use maps etc. (798262770, EN)
- climate data, vegetation data (796658636, EN)
- climate layers (WORLDCLIM) (790517746, EN)
- *Climate layers, soil, geology, orthophotography, land use maps* (809335155, ES)
- climatic data (Worldclim and similar data from other sources), Corine land cover, SRTM 90m Digital Elevation Data, administrative data, in-house produced environmental indexes (808236440, EN)
- CLIMEX modelling data when its available, temperature data (790534038, EN)
- *Collector name, collection number, collection date, exact locality* (804192012, FR)
- currently none (804339720, EN)
- Data on the global distribution of invasive species (native and introduced range) (789289044, EN)
- Digital Atlas (789957944, EN)
- *Digital cartography about environmental and vegetation variables. Satellite imagery* (794026967, ES)
- *Digital cover, geographical and ecological* (804239602, ES)
- DNA data (link specimen records to GenBank) (788368913, EN)
- Do not use these, although regularly cooperate with people using such data in modelling of distributions. (804376501, EN)
- *DTM, aerial photography, satellite imagery, mean annual temperature, elevation, soil types, land use and cover* (795178877, ES)
- elevation models (804428750, EN)
- *Elevation, vegetation types, soil types, roads, geopolitical boundaries, physiographical provinces, biotical provinces* (802031346, ES)
- *Environmental data layers* (805186352, ES)
- *environment data* (807573181, CN)
- *environment monitoring* (811707505, CN)
- *Environmental and socioeconomic data available in wms, wfs, kml formats* (810014479, FR)
- *Environmental cover (soil, climate, vegetation, terrain use, roads, etc.); satellite images LANDSAT, MODIS, SPOT, IKONOS)* (790716449, ES)
- *Environmental data* (801885680, FR)
- environmental data - soil properties (788286084, EN)
- environmental data layers (799233732, EN)

- environmental data layers (802675589, EN)
- environmental data layers (802988610, EN)
- environmental data layers (804220564, EN)
- environmental data layers (805411684, EN)
- Environmental data layers for assessing potential spread of invasive species (788459249, EN)
- environmental data layers from field (805043725, EN)
- Environmental data layers such as climate, vegetation cover; infrastructure development such as road network and settlements; satellite imagery (Landsat) (807603503, EN)
- environmental data layers such as salinity, temperature, altitude (804150587, EN)
- environmental data layers such as temperature, elevation, etc. derived from indicator values of plants, land use data, infrastructure such as roads, built area, forested area (799140225, EN)
- environmental data layers, land use data layers, climate scenario data layers, satellite based data layers (796220458, EN)
- environmental data, land use data, air photos, regulatory status (801169168, EN)
- environmental data, land use, protected land areas, ecosystem, soil (791311969, EN)
- environmental data, satellite imagery (788162326, EN)
- *Environmental layers (climate, topography, terrain, soil uses); satellite imagery* (797480134, ES)
- *Environmental layers (temperature and salinity), depth, weather charts* (807674678, ES)
- Environmental layers, such as temperature and altitude for modelling; also shapefiles when plotting distributions (791724393, EN)
- *Environmental layers, temperature, protected areas, exotics* (809098595, ES)
- *environmental layers, water body parameters. Focused on marine and coastal ecosystems.* (791010796, ES)
- *Environmental variables such as land cover or climate. Road network, terrain* (810758307, ES)
- Environmental/climate data layers (WorldClim type); Protected areas (WDPA); Red List status (IUCN); Descriptive trait observation data (Crop characterization and evaluation data) (790004352, EN)
- *ETM and TM Landsat satellite images, CONABIO thematic layers, INEGI thematic layers* (789736560, ES)
- freshwater - hydrological index, flow accumulation marine - sea surface temperature, bathymetry (793676937, EN)
- *Genetic info* (809155814, ES)
- *Geographical variables (elevation, terrain), hydrological variables, climatic variables (temperature, rainfall...)* (796600979, ES)
- Geologic, environmental, land use (804172733, EN)
- geological formation (796324699, EN)
- Geology and soils, vegetation. (788386146, EN)
- *Georeferenced ArcView maps, satellite imagery, water quality data, land use, residual water and non-point discharges. Hydrometric, hydrograms and hydraulical infrastructure data* (794025942, ES)
- *GIS (sociological, economical, scientific)* (797462382, ES)
- GIS climate, geography and economical data (797175250, EN)
- GIS layers: topographic maps, roads, aerial photos (DOQs), National Wetlands Inventory, bedrock, hydrology, satellite-based land use. (801835961, EN)
- *GIS, satellite images* (800590953, CN)
- Google Earth (789954185, EN)
- Google Earth (790612784, EN)

- google earth (804726894, EN)
- google earth data, satellite imagery (794212955, EN)
- GPS (800539996, CN)
- GPS (813403276, CN)
- *gva.cma.es data viewer* (808611345, ES)
- Habitat classifications, ratings for deterioration of natural habitats (789102013, EN)
- Host plant. (788046697, EN)
- I am just beginning to use environmental data layers for our work on the Osa Peninsula. (808095245, EN)
- *I don't have any other use* (790473914, ES)
- I often use data layers with drainages, roads, political boundaries. (792934475, EN)
- I would envision using it mostly with environmental factors. (788092186, EN)
- *image* (803303936, CN)
- Imagery, soils, climate. We struggle with up-to-date land use data and land management data. (793207067, EN)
- images of specimens, field guides, Google maps, Google Earth (799331109, EN)
- *Important Value Index, IVI, information of Vegetation* (813431432, CN)
- *INEGI maps* (801161632, ES)
- infrastructure development, satellite images (807306375, EN)
- *infrastructures, roads, environments, protected areas, water bodies* (790246166, ES)
- *I've known GBIF since less than 6 months. I believe I don't yet know much about the usage of GBIF portal. However I want to teach the use of this portal to our students on professional tracks for field biodiversity management, and in a number of conservation programs in the Central Africa subregion. What do you propose me?* (788686273, FR)
- Kew Bibliography data base, BIOSIS, GPI (804483380, EN)
- land cover mapping, satellite/Google Earth, USGS river flow data, hydro-infrastructure (804382493, EN)
- *land usage information* (803296708, CN)
- *land usage information, reservoir, satellite image* (803222165, CN)
- *land usage, satellite image* (802233816, CN)
- Land use Environmental data Climate data (804416321, EN)
- *Land use and land cover, terrain, potential vegetation-bioregions, roads, hydrography, protected areas* (807601453, ES)
- land use data (804100411, EN)
- Land use data which includes infrastructure features, vegetation map, navigational charts (803718291, EN)
- land use data, data on agricultural products, data on climatic parameters, data on air pollution, (809149879, EN)
- Land use data, Roads (788246267, EN)
- land use data, satellite imageries (804946772, EN)
- *Land use layers, infrastructures, spillages, impact, topography...* (806547864, ES)
- *Land use layers, vegetation types, roads* (791081861, ES)
- *Land use layers, vegetation types, terrain* (793843006, ES)
- *Land use maps in order to separate "exploited" from "natural" areas* (804140284, FR)
- Land use, roads, protected areas etc. (788900448, EN)
- *Latitude and longitude coordinatres, date, capture method* (802155962, FR)

- *LIC and ZEPA layers in Spain, UTM grid, political (county, province, region) layers with boundaries* (796830098, ES)
- *Local soil composition, local vegetation cover* (807122567, ES)
- *map as images* (797452933, CN)
- *Mapping software* (804392582, EN)
- *Maps & atlases. Satellite imagery: Google Earth. In-house GIS & databases. Environmental layers: topography, biomes, vegetation types, land forms, urbanisation, political/administrative divisions. Etc.* (788745446, EN)
- *Maps, roads, MNT and description of the observation protocols* (799720113, FR)
- *Mauritius has very poor digital maps. I usually use hard copy maps with biodiversity data* (789977268, EN)
- *Molecular data* (807356212, EN)
- *Morphological and phenological characters* (810126145, ES)
- *n.a.* (796643378, EN)
- *Nomenclatural and geographical data* (796647418, ES)
- *nomenclatural information, descriptions, images* (789950710, EN)
- *none* (803230075, CN)
- *None* (789623369, EN)
- *None of the above.* (804457042, EN)
- *non-Forestal soil degradation layers* (793409884, ES)
- *not only species records* (790126880, ES)
- *nothing else* (788287211, EN)
- *Orthoimages, geological maps, vegetation maps and/or habitats* (796820448, ES)
- *Orthophoto database, cadaster, regulated areas, currentology, bathymetry* (805722057, FR)
- *Orthophotography* (807635269, ES)
- *Orthophotography, maps and databases on infrastructures and country economical activities* (799444221, ES)
- *Orthophotography, public countryside boundaries, administrative boundaries, natural protected areas boundaries* (808432399, ES)
- *Orthophotography, satellite imagery, land use maps* (806564706, ES)
- *Orthophotography, thematic layers, infrastructures* (807142252, ES)
- *Orthophotos from different dates, maps (terrain, geology, hydrology, biogeography, land use, land cover and agriculture, LICs, CORINE, protected areas, road network)* (807602390, ES)
- *PDF files of baper-based primary literature (monographs, journal articles).* (789429095, EN)
- *People in my lab will be doing, some have done, all of these. But my primary biodiversity data is of a taxonomic revisionary nature.* (810548447, EN)
- *Phylogenies* (788714731, EN)
- *Physiography, climatology, land use, soil types* (800584469, ES)
- *point based environmental data, modelled climate data, geographic data (coordinates, altitude, distance from coast, distance upstream for rivers etc.)* (805778517, EN)
- *rainfall and temperature patterns* (788371183, EN)
- *Range maps* (810201330, ES)
- *Remote sensing and environmental data for modelling occurrence Protected Areas, Land use for conservation assessments Phylogenetic data* (808459923, EN)
- *Roads* (793087734, ES)
- *Roads, human population census, coastal maps, ocean chlorophyll concentration* (788674644, EN)

- Roads, urban areas, other infrastructure (804595709, EN)
- salinity of water, temperature of a place and others (800464906, EN)
- Salinity, temperature, oxygen, pH...; depth; EEZ, FAO Fisheries area, LME... (789544287, EN)
- *Salinity, temperature, general oceanographical data* (790996987, ES)
- *Salinity, temperature, substrate type, bathymetry, decimal coordinates. Time series or reliable stations; there is too much unchecked information* (808821546, ES)
- *salinity, temperature, type of substrate* (796604138, ES)
- Satellite imagery, environmental data layers, (798217342, EN)
- Satellite images, GIS layers (804291266, EN)
- satellite images, land use data (804862322, EN)
- Satellite and Aerial photos, weather data, tree ring data, and a wide variety of GIS layers (roads, rivers, land cover, elevation, etc.) (788192263, EN)
- *satellite image* (798215298, CN)
- *satellite image* (800573355, CN)
- *satellite image* (801543687, CN)
- *satellite image* (805683507, CN)
- *satellite image* (813329651, CN)
- *satellite image* (813358480, CN)
- *satellite image* (813416996, CN)
- *satellite image and land usage information* (811524723, CN)
- *satellite image, *.img, environmental factors, *.shp* (798178007, CN)
- *satellite image, Drainage system, forest shape* (802086385, CN)
- *satellite image, environmental information layer of temperature and salinity, land usage* (811762206, CN)
- *satellite image, environmental information layer of temperature and salinity, self-draw* (807343344, CN)
- *satellite image, fundamental constructions like housing, roads, reservoir* (800458689, CN)
- *satellite image, land usage information* (807573345, CN)
- *satellite image, land usage information* (810582490, CN)
- *satellite image, land usage information* (811735928, CN)
- *satellite image, land usage information* (813385341, CN)
- *satellite image, land usage information* (813412440, CN)
- *satellite image, like google map* (797394842, CN)
- *satellite image, maps, temperature, relative humidity, vegetation type* (799090046, CN)
- *satellite image, population and density, micro-habitat like paddy field, roads, forest trail* (811763921, CN)
- *satellite image, weather(temperature, precipitation) topography(slope aspect)* (811712867, CN)
- satellite imagery (788512581, EN)
- Satellite imagery (791161686, EN)
- *Satellite imagery* (793143478, ES)
- *Satellite imagery* (793243372, ES)
- *satellite imagery* (797014335, ES)
- Satellite imagery (804419219, EN)
- *Satellite imagery* (804737369, ES)
- *Satellite imagery* (806487291, ES)

- satellite imagery (807432048, EN)
- satellite imagery environmental data layers land use / land cover infrastructure development urban areas hydrography topography political boundaries vegetation types (790316793, EN)
- Satellite imagery Environmental data layers such as salinity, temperature etc General Circulation Model output (803995773, EN)
- satellite imagery (e.g. GLC2000, Globcover, SPOT-VEGETATION), climate (e.g. WorldClim), hydrology (e.g. HydroSheds, SRTM waterbodies), topography (SRTM), human population density (e.g. LandScan) (804168602, EN)
- *Satellite imagery (Google Earth)* (804145490, ES)
- satellite imagery (the work to be initiated) (809896381, EN)
- Satellite imagery and environmental data layers (e.g. climatological, soil, soil carbon, etc.) (803743468, EN)
- Satellite imagery and infrastructure development (806992043, EN)
- Satellite imagery, (791160134, EN)
- satellite imagery, aerial photographs, infrastructure and environment data layers (810168013, EN)
- satellite imagery, Aerial photography, historic data (804121745, EN)
- Satellite imagery, aerial surveys, land use data, topographic maps, GIS layers and shape files of infrastructure, GIS plots, biogeoreferencing, digital imaging of specimens and plants/fungi, etc., internet fact sheets (790300687, EN)
- satellite imagery, climate data, base maps (788052928, EN)
- satellite imagery, Digital Topo Maps, other GIS datasets (788132571, EN)
- *satellite imagery, ecological maps, multiple environmental thematic maps* (791192981, FR)
- *Satellite imagery, environmental cover in raster and vector formats* (793316601, ES)
- satellite imagery, environmental data layers such as salinity, temperature etc., land use data, infrastructure development (789918245, EN)
- satellite imagery, environmental data layers such as salinity, temperature etc., land use data, infrastructure development such as housing, roads, dams (796160448, EN)
- satellite imagery, environmental data layers such as salinity, temperature etc., land use data, infrastructure development such as housing, roads, dams, (804867643, EN)
- satellite imagery, environmental data layers such as temperature, precipitation, land use data, elevation (797535243, EN)
- satellite imagery, environmental data layers, humidity, lat&long, NPP, etc (796007832, EN)
- satellite imagery, environmental data layers, land use data (793791487, EN)
- satellite imagery, environmental data layers, land use data (805771465, EN)
- *Satellite imagery, environmental data variables through BioClim among others* (805947884, ES)
- *satellite imagery, environmental layers such as salinity, temperature, sea water nutrients* (791200661, ES)
- *Satellite imagery, Google Earth images, vegetation layers* (797396385, ES)
- *Satellite imagery, Hydrological data* (804928277, ES)
- satellite imagery, land use data (811046108, EN)
- satellite imagery, land use data, infrastructure development (803312430, EN)
- *Satellite imagery, livestock soil use, wild fauna use at the national level* (794551257, ES)
- satellite imagery, many types of environmental data layers, land use data, infrastructure development (especially mining, o&g development, wind farms) (796079107, EN)
- satellite imagery, maps, temperature and insolation data (789392808, EN)
- *Satellite imagery, marine charts* (807636396, ES)
- satellite imagery, nautical maps (807649898, EN)

- Satellite imagery, topographic map layers, contour lines, land use data, roads, water, parcel data, public lands data, modeled habitat data (797508056, EN)
- satellite imagery, topographic maps, air photographs, water feature maps, road maps, towns, ecological unit maps. Scale of base maps in most cases is 1:50,000 or 1:20,000 -- 1:250,000 is OK, after that it is too crude. (788173303, EN)
- *Satellite imagery, UTM charts, GPS* (804413864, ES)
- satellite imagery, water body shape layers (791208480, EN)
- satellite imagery, World Clim data layers, data on geology and soils (810057771, EN)
- satellite imagery, environmental data layers (800601126, EN)
- satellite imagery; spatial layers topography, rivers, wetlands, regional ecosystems, etc; environmental data layers such as temperature, rainfall; land use data such as farming crops, forestry (788533978, EN)
- *satellite images* (803321553, CN)
- *Satellite images* (788942982, ES)
- *Satellite images* (789488116, ES)
- satellite images from Google Earch, climate data from BioClim (804101235, EN)
- Satellite images, bathymetry, sea surface temperature (804411845, EN)
- *satellite images, environmental information layer of temperature and salinity, land usage information, housing, roads* (803491645, CN)
- *Satellite images, herbarium specimens images, vegetation cover maps, elevation maps* (789456090, ES)
- *Satellite images, Human-influence maps, Ecological zonification maps* (788497924, ES)
- *satellite images, land use maps, vegetation, hydrology, and others* (791128694, ES)
- *Satellite images, MDE, etc* (788283142, ES)
- *Satellite images, WorldClim environmental layers* (788526261, ES)
- satellite imagery, environmental data layers (805935352, EN)
- *SCAN 25, orthophoto, cadaster, terrain, roads, RPG, water bodies...* (799881227, FR)
- *SHAPE files, SPOT images, Landsat* (793408259, ES)
- *soil cartography, elevation, rainfall* (790588481, ES)
- *soil type maps, terrain, climate* (793076383, ES)
- soil type, location of collection, agricultural regimes, crop types (789174777, EN)
- *soil uses, hydrology, soil use changes, heath spots, farming production, land ownership* (790188679, ES)
- some satellite, GIS technologies - plant based like Floramap (793276439, EN)
- *Species' image and diagnostic details* (796601295, ES)
- *species monitoring* (811710761, CN)
- *Specimens photos* (796640001, ES)
- standard oceanographic data - e.g. temperature, salinity depth, nutrient concentrations (N, P, Si, Fe), pH, alkalinity, calcite saturation, chlorophyll concentration (797909081, EN)
- state boundaries (county and municipal) and roads. (788351066, EN)
- Stratigraphy, regional geology, biostratigraphic ranges (FAD/LAD) (788134756, EN)
- *Structural features* (810637515, CN)
- temp., snow cover, (803046147, EN)
- temperature, land structure data, habitat type (806514489, EN)
- temperature, rainfall, soils/surficial geology, bedrock geology, satellite imagery (810578140, EN)
- *Temperature, relative humidity* (806753199, ES)

- temperature, salinity (804220218, EN)
- *temperature, weather, humidity* (813327579, CN)
- Temperature, soil type, (791340836, EN)
- *Terrain maps, lan use, orthophotography* (808694797, ES)
- *Terrain, geology, vegetation, land use* (791092537, ES)
- *Those used withn ArcGis and satellite imagery in order to locate warm points* (802534229, ES)
- topographic maps, satellite imagery (804743560, EN)
- *Topography, county-level political boundaries, water bodies, natural protected areas boundaries* (790077577, ES)
- Use of land Weather, primary pluviocity, temperature, humidity (804268975, EN)
- *UTM coordinates* (807271476, ES)
- vegetation maps, fauna lists as far available (804913571, EN)
- *Vegetation maps, land use maps* (797505184, ES)
- *Vegetation types, elevation maps, permanent and seassonal rivers, localities* (789561787, ES)
- water quality and chemistry, priamry production, (808696643, EN)
- We only use biodiversity information to enhance our educational descriptions of the video's, and don't use the GBIF data as such (799296704, EN)
- *We use all cited examples: land cover, vegetation layers and formations, native forests cadaster; protected areas, infrastructure, land planning tools, satellite imagery, orthophotography and aerial photography, Google Earth* (804721133, ES)
- *WorldClim data* (791468724, ES)

13 - Types or Nature of Primary Biodiversity Data Required? Other (please specify)

- *about digital files of literature* (813427630, CN)
- *Alternate classificaitions, synonyms, infraspecific taxa. Protection, conservation status. Pest or medical importance status* (797563184, FR)
- associated environmental data (796392897, EN)
- *Autoecology, fossil records* (804325205, ES)
- *Barcode database* (813299058, CN)
- Biotic associations. Taxonomic classifications. Phylogenies. (788745446, EN)
- But species interaction data would be terrific also. I never need it because I never thought I could get it, so never built research questions depending on availability of such data. (803743468, EN)
- classification (updated, based on phylogenetic hypotheses) (788714731, EN)
- Collecting metadata (799292774, EN)
- *Collection site information: elevation, vegetation types, collection dates* (794026967, ES)
- *Community types, altitude* (790472947, ES)
- Conservation data (805792124, EN)
- *Correlation between presence and use of species* (794551257, ES)
- *current specimen number* (811762206, CN)
- Dates of observation, quality of occurrence, where (site, town, quad), who (surveyor, etc) (797508056, EN)
- *Description protocols* (799720113, FR)
- *Descriptive data* (800394959, ES)
- Distribution and habitat data extremely important: distinction between natural occurence of a taxon and occurence as result of human introduction (789950710, EN)

- DNA sequence data (810715089, EN)
- Dot Maps (804416321, EN)
- ethnobotanical surveys (804609055, EN)
- *Fossil register* (791092537, ES)
- General biology particularly, thresholds for development, mobility, reproductive capacity, and economic and environmental damage, and host plant information (790534038, EN)
- general distribution maps (informed guesses, not necessarily point data, as areas) (805771465, EN)
- genetic data (including population genetics, individual DNA sequences) (804220564, EN)
- genetic information (789950246, EN)
- geologic age (788950260, EN)
- Geology of Area (788132571, EN)
- geospatially referenced (788052928, EN)
- Habitat & natural community data (e.g. plant species lists with % cover). (801835961, EN)
- Habitat and substrate descriptions, collector itineraries (810168013, EN)
- habitat data (797535243, EN)
- Habitat data (804376501, EN)
- *Habitat preference for environmental flow studies. Community structure and function attributes in order to identify which species will suffer the highest impact due to reservoir construction.* (794025942, ES)
- Habitat requirements, activity periods, life cycles (789102013, EN)
- Habitat, host plant. (788046697, EN)
- *Images* (796647418, ES)
- *Images and photographs* (789488116, ES)
- *Images to help identify the species. Taxonomical keys. Molecular data. Expert list for each group in order to contact researchers* (805186352, ES)
- *In addition to the tables, SIG data* (802534229, ES)
- *Influences (risks, threats)* (797505184, ES)
- Interactive keys (790300687, EN)
- invasive species (811046108, EN)
- invasives issues (804382493, EN)
- Life history information (presence of life history stages --- temporal/seasonal data would be very useful but is rarely available. Changes in distributions over time are increasingly important to know, for climate change and invasive species studies. (788459249, EN)
- *Localization* (797469049, ES)
- Management information, pathway information (788192263, EN)
- *Maps* (793172196, ES)
- *Natural habitat information* (805722057, FR)
- phenographic data exact date of sample (804315730, EN)
- Phenological data of Flagship and Keystone species (809896381, EN)
- *Phenology* (790716449, ES)
- *Protected areas and species* (794211825, ES)
- *Range maps* (793076383, ES)
- *Richness, diversity* (806756252, ES)
- *Risk or endangered status* (791081861, ES)
- *Species cataloguing, conservation status in regional or national catalogues* (806487291, ES)

- Species Distribution, Species Status, Species Habitat and Ecology, Threats to species, Conservation Measures, (803718291, EN)
- *Species image, protection level* (796601295, ES)
- *Species range and condition* (793408259, ES)
- *Species synonyms, taxonomical keys, phylogenetic relations, infrageneric and suprageneric taxonomical units* (802031346, ES)
- specimen based data (809149879, EN)
- *Specimen details and repositories previously cited for later direct check* (788526261, ES)
- synonymies for scientific names, and common names (if any) would be useful (788287211, EN)
- Taxonomic classification; habitat (e.g. benthic vs pelagic, open ocean vs coastal...) (789544287, EN)
- Taxonomy, pop structur, pop density etc (796007832, EN)
- The first three are of particular use, but the second three are also valuable when available. (803995773, EN)
- *Threat level* (807601453, ES)
- type specimen data (804479061, EN)
- typical type data (type status etc.). (789954185, EN)
- *IUCN threat categories (Red List), invasiveness index for each country/region* (807586134, FR)
- *Use data* (790588481, ES)
- *Uses, common names of species* (794786851, ES)
- vouchered specimen records (collections) (788670827, EN)
- We only use biodiversity information to enhance our educational descriptions of the video's, and don't use the GBIF data as such (799296704, EN)
- Yes,. but little reliable information is available (798601169, EN)
- 1 record of a feature we consider important in the state is enough for us to record it. (797508056, EN)

14 - Quantity of data required for each data type? Other (please specify)

- As many records as possible are needed, in some cases. (791208480, EN)
- *As much as possible from each item, according to needs* (806547864, ES)
- *Availability of reliable data banks in whatever accesible format* (808821546, ES)
- Biological information, host plant records (790534038, EN)
- Biotic associations. Taxonomic classifications. Phylogenies. (788745446, EN)
- *depend on the research project* (800595120, CN)
- depends entirely on the project in question (810168013, EN)
- Depends on intended use - but quality is critical (788092186, EN)
- Depends on the species that I am investigating - normally I want as much info as is available. (789623369, EN)
- *depends, hard to explain now.* (814930803, CN)
- Descriptive data supporting identification the number is not very meaningful to us; I indicate the highest number because we often need to check global scope due to the possibility that a new quarantine pest may be present (797175250, EN)
- DNA sequences (810715089, EN)
- Full citations (with links if possible) (804353663, EN)
- *Given the type os ise we give to these data, based on presence or absence of species in a given study area, the larger the number of records the more information we can derive from them.* (806657950, ES)

- *Historical records of presence, absence, and quantitative data about collected specimens (mostly fish) used to calculate abundances, diversity indices, time series trends. Canonical analyses to determine environmental variables explaining species distribution* (794025942, ES)
- *I can't quantify it* (807602390, ES)
- I do not understand how the term "record" is defined in this question. We need to know answers for questions like "how many fish species lives in the Indian Ocean around the Seychelles islands", "where exactly are each of the 2200 species of European non-marine molluscs distributed". (789429095, EN)
- *I don't need any specified quantity of records* (791081861, ES)
- *I understand that the number of records will depend on the species of interest and the geographical scope about which information is required* (809335155, ES)
- I wasn't sure how to answer this question. We accept a variety of data and data quantities. The QUALITY of the data is more important than the number of records. (811046108, EN)
- I'm an entomologist so our numbers are large (788368913, EN)
- *Localities, fossils, and species per stratum* (791092537, ES)
- Management information from other countries is critical to invasive research and management (788192263, EN)
- *Maps* (793172196, ES)
- molecular (789950246, EN)
- No specific number; usually as much as is available (791161686, EN)
- Not sure how to answer this (790094310, EN)
- Not sure, depends on national availability of data (788655254, EN)
- occurrence records: as many as possible others: dependent on question (789950710, EN)
- Occurrence records: I use as many as possible, which can be from 1 to anything, but normally not more than 1000 (804376501, EN)
- Old literature. Biodiversity Heritage Library has turned a good source of data but with large gaps until now (804913571, EN)
- *Range* (807122567, ES)
- sorry, this question seems nonsensical. One of course wants all the data that exist, irrespective of how much that might be. (788287211, EN)
- that depends on the kind of question/s the project is dealing with (809149879, EN)
- The more data the better (810238490, EN)
- The more the better (789544287, EN)
- Too variable to specify (805778517, EN)
- We take what we can! (810034473, EN)
- we will take any quantity of high quality data that we can obtain (796079107, EN)
- What do you mean? (805771465, EN)
- what does this question mean? It depends on the specific purpose. (796392897, EN)

15 - For which type of environments do you use/need more primary biodiversity data? Other (please specify)

- Agricultural (791340836, EN)
- all of above (796392897, EN)
- *All of the above. Occasional use* (793409884, ES)
- *All terrestrial habitats* (788526261, ES)
- Antarctic marine and terrestrial (789392808, EN)

- Antarctica only (796216693, EN)
- *Any terrestrial ecosystem, unspecified* (806267880, ES)
- Arctic, Antarctic (788192263, EN)
- Arctic, Taiga, Tundra!!! (788900448, EN)
- boreal forests, arctic and subarctic tundra, alpine systems. (810715089, EN)
- boreal habitats (796160448, EN)
- *Bush-type and rocky terrestrial environments* (807624753, ES)
- Caves (807306375, EN)
- coral reefs (802988610, EN)
- fossil occurrences (804315730, EN)
- *fresh water system, ex. river , lake* (804917555, CN)
- groundwater, karst ecosystems (805935352, EN)
- host data for symbiotic taxa would be exceedingly valuable (788287211, EN)
- *Human-influence environments* (806487291, ES)
- *Hypersaline rivers and lakes. Bogs. Waterlogged plains/catchments* (804325205, ES)
- *Mangrove* (789736560, ES)
- Marine: Coral Reef, Terrestrial: Freshwater Ecosystem (803718291, EN)
- Marine: Coral reefs (807649898, EN)
- Mediterranean type climate regions (796643378, EN)
- *Mediterranean woods, steppes, alpine areas* (807636396, ES)
- Mesohabitats & microhabitats. Host plants. Biotope characterisation. (788745446, EN)
- *Microorganisms in all types of ecosystems* (799429870, ES)
- *Mining areas* (809152291, ES)
- My info needs are not normally tied to an ecosystem. Hard to answer! (789623369, EN)
- *Ocean: fish species number, counts and weight* (803247266, CN)
- *Oceanic tropical isle environments* (807586134, FR)
- Paleontologically related (788132571, EN)
- *Palm woods and tropical deciduous forest* (789456090, ES)
- *Parasites* (788762474, FR)
- *peri-urban, quarries, ordinary nature* (800740194, FR)
- *Reservoirs and other artificial water bodies. Mangroves* (794025942, ES)
- *savanna* (805722057, FR)
- Savanna, mountain rain forest (804180841, EN)
- Shrub Steppe and Chapparal (793207067, EN)
- *shrubs, meadows, littoral* (797469049, ES)
- soil (789950246, EN)
- *Subantarctic and Andine terrestrial environments* (809504663, ES)
- subarctic/subalpine (799368736, EN)
- *Tap water, foods. Frequent use.* (808438479, ES)
- *Terrestrial, in general* (796820448, ES)
- *Terrestrial. Trogllobious environments* (796601295, ES)
- Terrestrial: Boreal (788718259, EN)
- *Terrestrial: domestic environment* (806753199, ES)

- *Terrestrial: Islands* (797505184, ES)
- *Terrestrial: Scrub* (804428750, EN)
- The categories mentioned here are not very logical. You have a category *terrestrial:tropical forests* and *terrestrial: temperate forests*. You do not make such a distinction for grasslands where there is only one category, which throws tropical and temperate grasslands into one bunch of very distinct habitats (804376501, EN)
- *tropical forests, mangroves* (804198863, ES)
- *vegetable commerce* (804192012, FR)
- *water* (793143478, ES)
- *Waterlogged plains* (790588481, ES)
- What about Caves?! (788714731, EN)
- where agriculture plant germplasm exists| temerate (793276439, EN)

16 - Which data at the ecosystem level are the most required by you and at what scale? Other (please specify)

- Again, the lab is so diverse that I could fill in almost all of these boxes for some reason or another. (810548447, EN)
- *Altitude* (798229727, ES)
- all of above. too many boxes to tick. (796392897, EN)
- *All of the above. National* (793409884, ES)
- bathymetry (790334068, EN)
- *Biogeographical regions* (791081861, ES)
- *climate information* (811762206, CN)
- *Country-level* (790126880, ES)
- currents data salinity pH may be of importance in the future (788459249, EN)
- *Depends on the work case* (804929467, ES)
- Elevation at all scales (810034473, EN)
- *elevation, vegetation, substrate* (809504663, ES)
- For us "Regional" is below National. (788192263, EN)
- *Fossil beds* (791092537, ES)
- Geology (788132571, EN)
- geology is sometimes useful (804726894, EN)
- host plant availability (790534038, EN)
- *human disturbance like road system, hunting, recreation activities, human communities* (815903681, CN)
- *Irradiance and light intensity* (789488116, ES)
- Land-use data; climate scenario data; hydrology; global/regional/national scales (796220458, EN)
- *marine and coastal* (797462382, ES)
- Marine habitats (799876886, EN)
- Mesohabitats & microhabitats. Biotope characterisation. (788745446, EN)
- My info needs are not normally tied to an ecosystem. Hard to answer! (789623369, EN)
- *Names of plant species* (804198863, ES)
- nitrogen deposition used (804127770, EN)
- Occasionally the global level is needed for all of the above selected. (790004352, EN)
- *Ocean current data and ocean dispersion (e.g. Ekman coast-sea transport)* (790256163, ES)

- *ocean, estuary, wetland, deep sea hot spring* (800614907, CN)
- *Relative humidity* (806753199, ES)
- *Richness, diversity* (806756252, ES)
- *roads* (790646093, ES)
- *Slope, elevation, geology* (808452220, ES)
- *Snow cover* (789392808, EN)
- *Species range* (793076383, ES)
- *Terrain - regional <> provincial* (807601453, ES)
- *The more information provided to the consulting companies, the better we can evaluate impacts of actions on the environment* (806487291, ES)
- *topography* (804168602, EN)
- *Topography* (805778517, EN)
- *Water ionic composition. Main nutrients. Human impact level* (804325205, ES)
- *Watersheds, subwatersheds, micro-watersheds and particular lengths of river systems* (794025942, ES)
- *We have access to these data already.* (797508056, EN)
- *Woodland areas* (799720113, FR)

17 - Which data at the plant species level are most required by you and at what scale? Please specify child taxa or common names in the box below: Other (please specify)

- *agriculturally important plants along with native plants nationally* (793276439, EN)
- *All flowers at all levels.* (810548447, EN)
- *all of above* (796392897, EN)
- *All of the above. National* (793409884, ES)
- *ALL scales* (788368913, EN)
- *All taxa within the Endangered Species Catalog of the Canary Islands and the Annexes of the Habitats Directive and Bird Directive* (797505184, ES)
- *Can't specify this one as using different data sets depending on the work at that moment* (804121745, EN)
- *Caryophyllaceae* (789623369, EN)
- *Common names would really help here.* (788192263, EN)
- *cultivated plants (mostly landscape plants)* (800169695, CN)
- *Cyperaceae: mainly Carex* (804929467, ES)
- *Data on Briophyta, Pteridophyta, Algae, Protozoa and bacteria are needed but do not exist* (807601453, ES)
- *distribution data for foodplant and insect habitat location, distribution data of species overlap to identify pockets of high diversity* (804315730, EN)
- *does this cover macrofungi which I work a lot on and at various levels?* (804127770, EN)
- *Don't really break data down like this. Tree and flowering plant data are helpful and global access to that data would be best.* (803743468, EN)
- *Fagaceae: Quercus* (788118223, EN)
- *For my own research and contracts, I focus on bryophytes, but people in the herbarium access data on all plant species at all scales* (810168013, EN)
- *Fossil Plants* (788132571, EN)
- *fungi* (805792167, CN)

- Fungi (810715089, EN)
- *Geobotanical and phytosociological data at the provincial and local scales* (808463584, ES)
- I am a zoologist, I never need data on plants (804182347, EN)
- *I don't understand the question* (800740194, FR)
- I dont work with plants. (803869199, EN)
- In terms of Biodiversity inventories and synthesis, all available taxa in Seychelles (788655254, EN)
- Invasive species occur in all major taxonomic groups. (789289044, EN)
- kelp (790334068, EN)
- *Lepidagathis* (810675895, CN)
- Lichens (788173303, EN)
- Lichens (790300687, EN)
- lichens (804902966, EN)
- *Lichens* (809124257, ES)
- Lichens and fungi (810238490, EN)
- Lichens- National (809896381, EN)
- Liliaceae, Orchidaceae (799890359, EN)
- *Local names at the regional and local levels* (807586134, FR)
- Maine has several endemic species. We track rare tracheophyte plants at all classification levels. Bryophytes, lichens, and algae are sometimes components of our natural community descriptions, and there are several indicator species that are used in late successional forest determinations. (797508056, EN)
- Mangroves, seagrasses and other marine plants (789544287, EN)
- Marine invertebrates (799876886, EN)
- marine phytoplankton diatoms coccolithophores dinoflagellates (797909081, EN)
- *microorganisms* (800536896, CN)
- *microorganisms* (805786877, CN)
- monogenea freshwater (804862982, EN)
- N/A (803995773, EN)
- no plants involved (789954185, EN)
- *none* (800595120, CN)
- *outside the scope of my studies; didn't use related info* (803021899, CN)
- *Plants of the Sudan-Guinea zone: Combretaceae and legumes. Plants of the arid areas: Acacias* (802818378, FR)
- *Potential interest for all taxa at all scales, as regards to host plants of the studied insects* (797563184, FR)
- Primarily Trillium -- as I begin to teach Floristics (and guide student research), just about anything! (804273853, EN)
- Pteridophytes, Orobanchaceae, Flora (general) of North America (804339720, EN)
- Rosaceae, Crataegus, Mespilus Ruscaceae, Maianthemum (810578140, EN)
- *Stenocereus eruca, Sarcosoma arenarium, Amauria brandegeana, Encelia palmeri, Nicoletia trifida, Sibara laxa, Cylindropuntia cholla, Cochemiea halei, Abronia carterae, Agave margaritae, Asclepias masonii* (789736560, ES)
- *Taxonomical and nomenclatural verification of the species names* (800587696, FR)
- *Tree types of the western region of Mexico, coast and mountain areas* (793854941, ES)
- *Vegetation types at all levels* (793316601, ES)

- We work at multiple scales - from global (range-wide) to local populations. (811046108, EN)
- what does this mean: "data on which taxa's is most" (804726894, EN)

18 - Which data at the Animal species level are the most required by you and at what scale? Please specify child taxa or common names in the box below: Other (please specify)

- *Actually there is so little information about invertebrates that most times it is obviated* (806487291, ES)
- Although I cannot speak for the zoologists at our institution, I'm sure they require information on many species at many scales. (810168013, EN)
- All fishes (791208480, EN)
- All marine @ global level, but the finer the spatial scale the better (803995773, EN)
- all of above (796392897, EN)
- *All of the above. National* (793409884, ES)
- *All taxa within the Endangered Species Catalog of the Canary Islands and the Annexes of the Habitats Directive and Bird Directive* (797505184, ES)
- Animals in Maine are the purview of the Maine Department of Inland Fisheries and Wildlife, www.maine.gov/ifw. Phillip deMaynadier is the group leader for Herps and Invertebrates, phillip.demaynadier@maine.gov. (797508056, EN)
- *Area and quantification of ocelot, cougar, puma, and habitat, fox, coyote* (793854941, ES)
- Arthropoda: Chordata: Reptilia (turtles, lizards) Cnidaria: Anthozoa (sea anemones, stony and soft corals, sea fans etc..), Hydrozoa (fire corals etc..) Echinodermata: all classes, sea stars, brittle stars, sea cucumbers, sea urchins etc.. Mollusca: all classes, snails, clams, squids etc.. (including aplacophorans, chitons, monoplacs etc..) (804220564, EN)
- Bees (Apoidea) (796643378, EN)
- *Beetles and mammals* (793316601, ES)
- Can't specify this one as using different data sets depending on the work at that moment (804121745, EN)
- Cetacea (804411845, EN)
- Chordata: Vertebrata: Reptilia: Testudines [turtles & tortoises] (804382493, EN)
- domestic livestock and poultry breeds and species (793276439, EN)
- *Elephant* (801885680, FR)
- fishes (804946772, EN)
- Foraminifera (protozoans) (799876886, EN)
- *Freshwater fish* (808942120, ES)
- Gastrotricha (807366156, EN)
- *Generally speaking, all about marine fish* (808821546, ES)
- *Herps, birds and mammals* (789736560, ES)
- I consider the phylogenetic choice of options not really useful, it is a waste of time to most users. (797175250, EN)
- *I don't need these data* (808694797, ES)
- *I don't understand the question* (800740194, FR)
- In terms of Biodiversity inventories and synthesis, all available taxa in Seychelles (788655254, EN)
- *Insecta, Diptera, Muscidae, Stomoxyinae* (804140284, FR)
- *Insecta, Lepidoptera* (802155962, FR)
- Insecta: Diptera: Asiloidea (788093150, EN)

- Interest is writing an encyclopedia, so I need data on wide variety of organisms (789102013, EN)
- Mammalia: Chiroptera (804168602, EN)
- Nematoda, chordata (789392808, EN)
- *no need at present time* (813414390, CN)
- None (789623369, EN)
- None (807356212, EN)
- *not much need for biological info* (813400553, CN)
- Oligochaeta Sub-phylum: vertebrata Class: amphibia Order: Anura (788052928, EN)
- Orthoptera (805771465, EN)
- *Planarians, in general (Order Tricladida)* (809202854, ES)
- *protozoan* (800744792, CN)
- pteropods (797909081, EN)
- Sparassidae global Araneae global (789954185, EN)
- This list seems to me zoological nonsense. 80 % of the animals are Arthropoda, much of the rest are very small groups. The list should have split up insect groups, and lumped unimportant small groups. The expression "phylum" is getting outdated and should be avoided. (789429095, EN)
- Vertebrates (husbandry, domesticated animals) not sure of the scientific higher order classification as listed above. (790004352, EN)
- *vertebrates: anfibia, reptiles* (808463584, ES)
- We deal with all of them, although marine animals, Nematode, and single celled organisms are ignored (793207067, EN)
- We do not do animals (810238490, EN)
- We really don't operate that the phylum level - mostly family and below. I may have missed some because of this. (788192263, EN)
- We work at multiple scales - from global (range-wide) to local populations. (811046108, EN)
- Within the chordates, I'm interested in urochordates --- colonial and solitary tunicates (788459249, EN)
- *Zygomycota* (805792167, CN)

19 - Which data at the Fungi, Virus and Microbial species level are most required by you and at what scale? Please specify child taxa or common names in the box below: Other (please specify)

- all of above. And I assume you are wrapping several kingdoms into the word 'Fungi' - the seconds largest group of named organsims next to insects, and bacteria into 'microbes' which is largset unnamed group of organsims next to insects. (796392897, EN)
- *All taxa within the Endangered Species Catalog of the Canary Islands and the Annexes of the Habitats Directive and Bird Directive* (797505184, ES)
- *Ascomycota, basidiomycota* (807630696, ES)
- *bacteria* (805694226, CN)
- Bacteria: Pseudomonas species (789174777, EN)
- Bees sometimes get infected by fungi, but the data are so rare that it's probably better for me to leave this one blank, though they were mentioned in a paper I published in 1987. (810548447, EN)
- Can't specify this one as using different data sets depending on the work at that moment (804121745, EN)
- Definitely never use this stuff. (803743468, EN)
- Diseases and disease pathogens in general (796220458, EN)
- Diseases of unknown aetiology (790534038, EN)

- Distribution of fungus diseases for food crops could be (very) valuable is relevant quality data is made available. (790004352, EN)
- *Ditto* (813400553, CN)
- entomphagic fungi (805771465, EN)
- *Eubacteria Kingdom, Microalgae, yeasts, and molds* (799429870, ES)
- *fishes* (803230075, CN)
- foraminifera radiolaria ciliates choanoflagellates (797909081, EN)
- Fungi & Lichens only. We used to try to deal with hot spring endemic microbes but have given this up. (793207067, EN)
- *Helminths and other fish pathogens* (794025942, ES)
- I am a zoologist, I never need data on fungi, viruses or microorganisms (804182347, EN)
- *I don't need these data* (808694797, ES)
- *I don't understand the question* (800740194, FR)
- *I don't work much in fungus* (801885680, FR)
- *I work in the laboratory of mycelial fungi. Object of my interest - cultivated fungi existing in the collections of all around the world* (801430278, RU)
- In terms of Biodiversity inventories and synthesis, all available taxa in Seychelles (788655254, EN)
- *Lichenicolous fungi and lichenized fungi, Pezizomycotina, Ascomycetes, Celomycetes, Deuteromycetes* (809504663, ES)
- Lichens (788184331, EN)
- Lichens (790300687, EN)
- *Lichens* (809180532, ES)
- marine microbes and infectious diseases (806578418, EN)
- monogenea (804862982, EN)
- *Myxomycetes, Protosteliomycetes, Dictyosteliomycetes* (807636396, ES)
- *N/A* (790996987, ES)
- n/a (796007832, EN)
- n/a (803869199, EN)
- *no need at present time* (813414390, CN)
- None (789623369, EN)
- none (789954185, EN)
- *None* (793409884, ES)
- *none* (800595120, CN)
- Not sure what you mean by scale? We need occurrence points - between 30 meters and 1 km based on the remote sensed data we are modeling the data against. (788192263, EN)
- Occasionally used in natural community descriptions. (797508056, EN)
- *Pachyderms: Elephant. Ungulates: Buffalo. Antelopes from south Guinea: Kob, roan antelope. Antelopes from Sahel-Sahara: Addax, oryx, Barbary sheep. Gazelles: Dama gazelle, red-fronted gazelle, bushbuck. Ostrich.* (802818378, FR)
- *Pathogens, especially* (808963397, ES)
- Region within country - for fungi (788092186, EN)
- Typically N/A at present (803995773, EN)
- We work at multiple scales - from global (range-wide) to local populations. (811046108, EN)
- What, are "Microbes"???? Prokaryota? Yeasts? Other small fungi? (797175250, EN)

20 - What are the most important characteristics that you generally want for species occurrence data? Other (please specify)

- Ability to filter out observational data where I cannot verify identifications (789623369, EN)
- accompanying oceanographic data (797909081, EN)
- *Altitudinal range, extinction risk category, and uses* (793087734, ES)
- all of above + descriptions, phenology, sequences etc, etc. (796392897, EN)
- All original specimen / record data, including outdated original scientific name, environmental data associated with record, and collector & museum metadata (804382493, EN)
- Associated species (810057771, EN)
- *Behavioural data, breeding times...* (807592721, ES)
- *Biological attributes of species: reproduction, growth, feeding, migration* (794025942, ES)
- by 'habitat description' I would also desire host information for symbiotic taxa (788287211, EN)
- Collector information, substrate description, associated species (810168013, EN)
- county - not georeference data for its centroid. (788092186, EN)
- Check-lists for taxa, Identification Keys to species (795908935, EN)
- *Data about non-type specimens originating all other data (repository)* (788526261, ES)
- *Data collecting method, author* (807601453, ES)
- data on species identification, e.g. who & when (804168602, EN)
- *Description of the used protocol (e.g. in Entomology: type of trap, observed parameters)* (799720113, FR)
- Detailed taxonomic information (as found on WoRMS etc) to ensure validity of species names
Species range (if known) is also very useful. The critical thing is the geo-reference precision. (803995773, EN)
- *ecological background information of animals and plants* (810604407, CN)
- *Ecology and observations about taxa* (798229727, ES)
- Habitat (general location) description is important for cross checking the georeference (791208480, EN)
- How odd that "accurately identified species data" is not an option! (810548447, EN)
- How the data was collected (GPS, taxonomic key, etc.) (788192263, EN)
- If published, need publication data. (804411845, EN)
- *life history descriptive data* (800431260, CN)
- *Links to original papers* (809504663, ES)
- list of countries where the species was recorded (e.g. from country checklist) (804100411, EN)
- literature references (789950710, EN)
- *Morphological and molecular identification* (807630696, ES)
- *museums or institutions with particular specimens* (799090046, CN)
- other specimens (also non-types), with images, and an easy way to see if there are any images (788670827, EN)
- other specimens in addition to the types that are in scientific or private collections (788162326, EN)
- Phenology data (809896381, EN)
- population density and how survey was conducted (804127770, EN)
- protologue or link to protologue; other typification information; link to floras and other descriptions; link to other publications (788714731, EN)
- Site name, dates of observation, quality ranking (797508056, EN)
- sounds (805771465, EN)
- *Species descriptive data* (810126145, ES)

- species lists (799331109, EN)
- *species records in Taiwan* (811762206, CN)
- *Status (endemism, protection, invasive character)* (805722057, FR)
- There is a very strong need for synonyms of species names. It would be incredibly useful to have a database of historic & alternate names and synonyms to search on. Many collections do not have updated taxonomy and it would be good to choose from a list of other possibilities to make sure the search is inclusive. (791614428, EN)
- threats trends abundance invasiveness concept name / reference accuracy of species identification presence / absence (negative survey data) (811046108, EN)
- *Time series evolution, historical time series* (806756252, ES)
- voucher/publication status, associated GENBANK #s (810578140, EN)
- WHO identified the material is an important part of Source of Information. (788459249, EN)
- establishing "AfriBats", an integrated database on taxonomy, distribution and conservation of African bats (Chiroptera) - species distribution / ecological niche modelling with the dataset above (804168602, EN)

21 - Does GBIF mobilised data satisfy your needs? Please specify for what applications you use GBIF data

- *Accompanying species for those showing up in my samplings of my working phylum (Arthropoda)* (806267880, ES)
- As a source of primary data from germplasm collections, but the "biological status of sample"/ crop cultivar type is missing from the GBIF data portal (I consider that this is the most important missing attribute for the germplasm thematic domain). (790004352, EN)
- *Biodiversity studies* (793076383, ES)
- *Biogeographical studies. There are just datum and taxonomical validation missing.* (790646093, ES)
- *Biological richness analysis in protected natural areas and human-affected areas* (790077577, ES)
- *Corological reports and studies* (797014335, ES)
- Checking for species range vs. specimens (789623369, EN)
- Checking names and taxonomic status of species, mapping occurrences (804595709, EN)
- *Data bases for conservation priorities* (789736560, ES)
- *data format designed for higher organisms is not suitable for microorganisms; morphology and characteristics may vary among different strains of same species* (800536896, CN)
- descriptive (790612784, EN)
- Determining general species ranges and museum specimen availability. (791208480, EN)
- Developing models of species ranges across continentalscale landscapes. (796675742, EN)
- Distribution of species of fungi. (799368736, EN)
- *Distribution, presence and absence, biodiversity, etc.* (808694797, ES)
- distributional information (796392897, EN)
- distributions, finding specimens (788714731, EN)
- *Ecological, biogeographical and conservation analyses* (793316601, ES)
- *excel* (803222165, CN)
- For compiling distribution maps of the plants I study, and for obtaining niche characteristics associated (804101235, EN)
- *For Environmental Management, habitat description, water projects, faunistic development* (791128694, ES)
- *For the analysis of our local and regional ecological environment* (794211825, ES)

- *general usage, can not estimate at present time* (811707505, CN)
- *Geographical and altitudinal range maps, endemism revision* (789263477, ES)
- *Global range maps of weeds. Conservation-related species ranges (catalogued, rare). Invasive species distribution* (809335155, ES)
- Hard to get - too long and crashes. (788900448, EN)
- have not used such data - what is 'mobilised' data? (788687099, EN)
- Haven't used GBIF data (791161686, EN)
- Haven't used it --- underaware of it (790094310, EN)
- <http://data.gbif.org/datasets/resource/93> datatransfer into STERNA as RDF under construction (799292774, EN)
- I am not familiar with GBIF mobilised data, yet (807306375, EN)
- I checked GBIF, but the data were not satisfactory, often because specimens were not identified to species level (796655048, EN)
- I dont know what it means ("GBIF mobilised data") therefore probably not - it would be nice if you used less jargon (804726894, EN)
- I don't know yet- haven't tried it (806578418, EN)
- *I have never used GBIF data* (798873040, FR)
- *I have never used them, I didn't know they existed* (790384501, ES)
- I have not tried using this data before, I will now however. (788717734, EN)
- I have not used because of difficulties on accessing the website (789977268, EN)
- *I have only used data from Conabio, FishBase, Neodata II and other scientific collections of Universities* (794025942, ES)
- *I have seldom used GBIF data. My uses were simple consultations that in the end I completed with information from other databases, photos, etc.* (797420204, ES)
- *I have very seldom used it -- can't evaluate* (806487291, ES)
- *I haven't used GBIF and thus can't give an answer* (809202854, ES)
- I haven't used GBIF data yet. (797815963, EN)
- *I haven't used them as I didn't know* (809190344, ES)
- *I haven't yet used GBIF data* (804951687, FR)
- *I haven't yet worked with these data. I will.* (804140284, FR)
- I use the data as a quick reference - e.g. a distribution map for a talk. However, the quality of the data is not yet reliable enough to fulfill taxonomic standards (is determination correct? does the taxon occur naturally in a given locality?) (789950710, EN)
- I wonder how GBIF relates to WoRMS (World Register of Marien Species) and OBIS, which are very useful for my needs. (807649898, EN)
- *Information* (804928277, ES)
- *Information analysis and initial plant lists* (790473914, ES)
- investigation of phytoplankton occurrence data (797909081, EN)
- *It complements the information research about selected biological groups* (791081861, ES)
- It's an unbelievably valuable data source. I have published 9 papers relying on the data. (803743468, EN)
- *Knowledge of species range* (796640001, ES)
- *Literature records of taxa in my study area* (807624753, ES)
- *Locality listings for the species* (789456090, ES)
- *Looking for herbarium material, species range, collection location, substrata* (807636396, ES)
- mainly taxonomic purposes (789950246, EN)

- *Mainly for systematics of the studied groups. GBIF data are useful at the same level as other aggregated data from other sites, more or less specific. Globally, due to the specialization of the groups, the data collection is mainly done through the colleague community of specialists and the literature.* (797563184, FR)
- *Map preparation, indicator or endangered species chorology, biogeography* (799744522, ES)
- mapping (805771465, EN)
- modelling distributions, checklists (808236440, EN)
- *N/A* (806547864, ES)
- *Normally they help me get an overview of the collections that may have interesting specimens. To request them or to take data from collection labels.* (802031346, ES)
- not sure (790122286, EN)
- occurrence data - a larger number of georeferenced records would greatly improve the value! (798262770, EN)
- occurrence info (788512581, EN)
- Often but not always useful. (793207067, EN)
- *outside the scope of usual need* (797394842, CN)
- *Performing environmental studies* (793914530, ES)
- *Phytogeography. Species collection for Chemists, Biochemists, Pharmacists...* (788686273, FR)
- *Presence and range data evaluation* (806753199, ES)
- *Primary data already existing* (807586134, FR)
- *Project planning, field sampling prospection* (790588481, ES)
- provincial and national species checklists, distribution information. (804500588, EN)
- *Range maps* (810014479, FR)
- researching species distribution and occurrence over time for species assessment and conservation, and to determine context for records that I collect (810168013, EN)
- Scientific studies (796220458, EN)
- *Searching information about type specimens and range of distribution of the species* (796595424, ES)
- See distributions of species (795908935, EN)
- Species conservation assessment. Surveys and inventory. Targeting for conservation and collecting. Change analysis for climate change. (810034473, EN)
- Species distributions. (788173303, EN)
- *Species location for sampling* (808740058, ES)
- *Species modelling* (794026967, ES)
- *Species range analysis* (810758307, ES)
- *Study on the diversity and ecogeography of the genus Lupinus in Colombia* (800394959, ES)
- taxonomy, biogeography, ecology (789013767, EN)
- Taxonomy, species occurrences, biogeography, links to local portals (back tracking) (790300687, EN)
- *Territorial studies. Completing data from other web sites* (807602390, ES)
- That is likely because I'm not aware of it. (788052928, EN)
- *There are many errors and it cannot be decided whether they are actually errors--much information is lacking about what collections the specimens are in, and to whom to address for error correction* (807149821, ES)
- To date, I have not used GBIF data (788118223, EN)
- To determine what species occur in Alaska; most of the data have yet to be digitized so until GBIF is well over the 50% mark it will be only partially useful. (788368913, EN)

- To find presence data for arthropods mostly in other countries. It is a starting point at any rate..its very slow accessing the download information (790534038, EN)
- *To generate species range maps, biological richness, biological importance* (797732559, ES)
- *Transfer of data to the research centers when they need it* (788247905, ES)
- Trend analysis, ENM. Planning collecting trips. Teaching. (788718259, EN)
- understanding distribution patterns from national to global scale (796643378, EN)
- Use OBIS/GBIF data for biodiversity and macroecology studies (803995773, EN)
- used minimally at this point, hope to use more extensively in future. (796216693, EN)
- *Verification of nomenclatural and taxonomical data (rank, synonymy...), species range, host plant association* (800587696, FR)
- We at NBRI browse GBIF primary data records mostly in our taxonomic /systematic and floristic assessment studies. (809896381, EN)
- We use it when we have a problem with worldly taxonomic problems (especially Africa and S. America), we use our own Flora's for local and region taxonomy. (810238490, EN)
- We want to include GBIF marine data on OBIS, but have so far not realised this connection (789544287, EN)
- What is GBIF mobilised data? (788192263, EN)
- What the heck is mobilised data? Again, speak User. (788123063, EN)
- (797388642, EN)
- *1G* (803222165, CN)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Type of data:

- *A field for habitat. Specimens pictures* (796640001, ES)
- *About my working group, Mesostigmata mites* (806647162, FR)
- *All available* (793098908, ES)
- associations: host/pathogen, pollinator/pollinated etc & structured survey data according to a defined methodology (796392897, EN)
- *Available for country* (802534229, ES)
- *Based on non-type specimens* (807617434, ES)
- Common Tracks are not provided (796324699, EN)
- Coral Geographic has provided distribution global distribution data since the early 1980s (802988610, EN)
- Cultivar type (landrace, modern cultivar, wild, genetic stock, breeding line) is missing as attribute for the specimens (790004352, EN)
- *Data bases* (796603939, ES)
- *Data should come only from current and consultable collections* (802031346, ES)
- detail is often insufficient (810168013, EN)
- Detailed spatial locations (801835961, EN)
- For trees, it is a problem that planted specimens e.g. in parks are included - only wild occurrences (including naturalized) are useful (796220458, EN)
- fossils (788950260, EN)
- georeferenced presence data (796658636, EN)
- *Habitat quality for the species* (804961333, ES)
- I need to see and study specimens (788162326, EN)

- *Incomplete data bases* (802155962, FR)
- *Information on Basidiomycota of the Neotropical area* (804198863, ES)
- insufficient for plants (804829371, EN)
- just captures some fields (791311969, EN)
- matrices (804416321, EN)
- Metadata of completeness is not available. (788718259, EN)
- more complete data sets, e.g. comparing output through GBIF and MaNIS (804168602, EN)
- More data from additional museum collections (791208480, EN)
- Morphological data for primary types at species level. Digiphotos, if available, are not always sufficient for species-level comparison (804913571, EN)
- Names. Occurrence Records. Species information. Biotic associations. Mesohabitats & microhabitats. Biotope characterisation. (788745446, EN)
- not on the current state of synonymie (789950246, EN)
- *Presence and absence of Crustacea Decapoda. Commercially-important species. Catch volume.* (804372510, ES)
- *Protected species and protected areas* (794211825, ES)
- *Records* (789561787, ES)
- *Registered and collected* (788855019, ES)
- sampling processes are nearly always so poor rthe data is not of any use to me (804127770, EN)
- see previous answers (796017111, EN)
- sometimes really scarce even for abundant and widespread taxa (790517746, EN)
- special reference to type specimens (highlighted), access to sound multimedia data (805771465, EN)
- *Specimen data are of low quality. They aren't georeferenced, or they are done badly.* (798229727, ES)
- *specimens* (810014479, FR)
- taxonomic data (788714731, EN)
- *The data format is not adapted to the internal data base* (807586134, FR)
- Too few data for small fungi, bacteria, viruses, nematodes, pathogenic insects (797175250, EN)
- unable to find any reliable and useful data in the GBIF portal (804966964, EN)
- We would like to know if the data is observational, from collections, and the collectors qualifications to ID (810238490, EN)
- zooplankton (808696643, EN)
- *10000* (804198863, ES)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Data Volume/quantity:

- biomass and abundance (808696643, EN)
- Coverage is dense for a few countries but still quite poor for most tropical countries. (796675742, EN)
- Data is patchy. (788718259, EN)
- *Data volume not limited to 250,000 occurrence records per download. At least one million records should be downloadable at once.* (790256163, ES)
- detailed (788714731, EN)

- *Few specimens listed per search* (798229727, ES)
- high (805771465, EN)
- *I believe that the information existing in GBIF is scant at the regional data* (807624753, ES)
- Important- difficult to gauge what might be missing (808459923, EN)
- Incomplete data sets (788173303, EN)
- Insect specimen data is <10%, maybe <5% of all possible records. (788368913, EN)
- insufficient distinction between collection & observation data and inaccessible metadata about observational data (796392897, EN)
- insufficient for plants (804829371, EN)
- is getting there (789950246, EN)
- *It is necessary to integrate data from smaller collections* (793316601, ES)
- *Large* (810014479, FR)
- *Many* (789561787, ES)
- *Many data sources are missing* (804239602, ES)
- *Many oceanographical data are missing that may help ecologically interpreting the data* (805186352, ES)
- more is always better (810168013, EN)
- More is better, but that's not a very insightful remark. (803743468, EN)
- More volume per taxa would be better (796324699, EN)
- Need as many collection as possible for a species! (810034473, EN)
- Not enough (796007832, EN)
- Not enough known data is available - yet - in the test cases I tried. (804315730, EN)
- not much available from the Indian Subcontinent (804862322, EN)
- Not sufficient (804123890, EN)
- *Number of collected samples: four specimens* (788855019, ES)
- *Often scant for a certain taxon* (799348997, FR)
- Often too scarce outside North America and North and Central Europe (796220458, EN)
- Only limited amounts of data are available. (788027187, EN)
- The more data the better (803995773, EN)
- *Those available from one country* (802534229, ES)
- too few georeferenced collection data (798262770, EN)
- Too long and crashes (788900448, EN)
- *Very few data regarding arthropods* (797564964, ES)
- very little relevant to islands (804966964, EN)
- Virtually nothing for "my" taxa in "my" geographical areas (Afrotropics & Central America). (788745446, EN)
- *X* (805947884, ES)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Spatial extent:

- *500m* (803222165, CN)
- Africa not covered sufficient (796007832, EN)
- *Africa tropical regions* (807617434, ES)

- Afrotropical Region. Central America. (788745446, EN)
- Collection are often patch (ie over collected in one area and missing in others), but a fact of historic collections! (810034473, EN)
- Country-wide gaps are very unhelpful but still exist. (803743468, EN)
- Data is patchy. (788718259, EN)
- fine but always inaccurate (804966964, EN)
- global (788714731, EN)
- global (805771465, EN)
- Important - difficult to know what might be missing (808459923, EN)
- *Important voids exist* (796647418, ES)
- *Inssufficient couverture at the local scale for the Réunion Island* (805722057, FR)
- insufficient for plants (804829371, EN)
- *Local* (794211825, ES)
- locally very good but on broader scales with gaps (789950246, EN)
- *National, global* (810014479, FR)
- *National, Mexico* (789561787, ES)
- *No precise local couverture* (807586134, FR)
- Not enough regions are well represented for the plants I study. (810057771, EN)
- *Not very complete for a good understading of the species ranges* (801091995, FR)
- Often too spatially biased (796220458, EN)
- Pacific ocean (808696643, EN)
- South east Asia not covered (804862322, EN)
- *Species existing in Camerun are missing from the Database* (788686273, FR)
- still some big regional holes in the data (796392897, EN)
- The absence of data from most of Asia is a problem for the groups with which I work. (788092186, EN)
- *There are state-level voids* (790077577, ES)
- *Tropical* (796603939, ES)
- Very little in northern Canada (788900448, EN)
- *What is available for a country* (802534229, ES)
- *World, regional and national levels* (804961333, ES)
- Worldwide (804913571, EN)
- yes (797909081, EN)
- *Yes* (800394959, ES)
- "complete" (788714731, EN)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Taxonomic coverage:

- *1:1 million* (811524723, CN)
- *A lot of work is yet lacking as regards to marine species inventories* (805186352, ES)
- *About my working group, Mesostigmata mites* (806647162, FR)
- Africa not coverede sufficient (796007832, EN)

- *All groups* (810014479, FR)
- angiosperms, spermatophyta general, bryophytes (804416321, EN)
- *Animal and plant* (789561787, ES)
- *Arachnids and Gasteropoda are not well covered* (807617434, ES)
- *Arthropoda* (796603939, ES)
- Authoritative taxonomies for invertebrates, especially arthropods (804595709, EN)
- *Aves* (799292774, EN)
- *Basidiomycota, Agaricomycetes* (804198863, ES)
- Coleoptera primarily, + other Insecta to a degree, + Arthropoda in general to a lesser degree. (788745446, EN)
- coverage of arthropods is sorely incomplete and taxonomically out of date. (804500588, EN)
- does not cover mites (Arachnida: Acari) very well, especially for the region I am most interested in (Canada) (788287211, EN)
- European data for my group not adequately represented in GBIF (Hymenoptera, Apoidea, Apidae) (795908935, EN)
- Family Geometridae (Lepidoptera) (804913571, EN)
- I find the built in taxonomy frustrating at times (788092186, EN)
- *Incomplete data bases* (802155962, FR)
- *insects* (809786057, CN)
- insufficient focus on coverage for thematic data-sets - invasives, pathogens, rare & threatened etc (796392897, EN)
- insufficient for plants (804829371, EN)
- Links to medical entomology would be helpful - more on anophelene mosquitoes, for instance. (803743468, EN)
- Many plant species missing (810034473, EN)
- *Marine and littoral Crustacea Decapoda* (804372510, ES)
- *My taxon group is poorly covered* (788526261, ES)
- national first, but global is NB for work (793276439, EN)
- Need better coverage for the smaller invertebrate phyla (788459249, EN)
- Not adequate (788046697, EN)
- not complete (805754411, EN)
- *not completed* (804882356, RU)
- Not sufficient (804123890, EN)
- Plant data not covered (804862322, EN)
- *Range* (790748084, ES)
- reasonable (804966964, EN)
- *Same as above* (796647418, ES)
- *the more the better* (803222165, CN)
- The problem is that information on many insect species is not available through GBIF as institutional collections rarely have their insect collections databased. (788093150, EN)
- up to date list of Fungi required (804100411, EN)
- *Very few data regarding arthropods* (797564964, ES)
- We would like to understand how the world is looking at a species, since this can be quite different. (810238490, EN)
- *What is available for a country* (802534229, ES)

- *yes* (789950246, EN)
- *Yes* (800394959, ES)
- *Yes* (805947884, ES)
- *yes* (807586134, FR)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Georeference quality:

- *a number of errors* (797564964, ES)
- *Africa - poor* (796007832, EN)
- *at least some level of geospatial assignemnet. Specific issues around exact localities are over-stated IMHO* (796392897, EN)
- *Beggars can't be choosers.* (788745446, EN)
- *Data are not precise enough, nor adapted to local needs* (807586134, FR)
- *data dependend* (789950246, EN)
- *data from the Indian Subcontinent not covered* (804862322, EN)
- *Data is off when GIS, projection need correction* (788900448, EN)
- *Datum indication in UTM coordinates, or datum normalization for the different data providers* (796640001, ES)
- *Defective* (798229727, ES)
- *error within 10m* (803222165, CN)
- *Few georeferenced data* (796647418, ES)
- *Few georeferenced specimens* (799348997, FR)
- *Generally unspecified* (810014479, FR)
- *Georeferenciation approximation* (797014335, ES)
- *good quality but always incorrect in practice* (804966964, EN)
- *GPS needed* (788855019, ES)
- *High* (796603939, ES)
- *high accuracy* (788714731, EN)
- *I should need to know automatically what 10-km and/or 1-km UTM squares the records refer to* (799744522, ES)
- *important but tools are available - good links to tools would be good* (808459923, EN)
- *Include datum* (790646093, ES)
- *Information quality heterogeneous, and minimal available information* (810758307, ES)
- *insufficient for plants* (804829371, EN)
- *lack of distribution data* (798178007, CN)
- *Many data are not georeferenced or are badly georeferenced* (793316601, ES)
- *Maximum* (804198863, ES)
- *More precise georefernced data, and especially uncertainty data, are needed* (808694797, ES)
- *Needed* (789561787, ES)
- *No adequate georeferencing* (804239602, ES)
- *not always clear how coordinates were retrieved / how reliable they are* (796643378, EN)
- *Often vague* (788459249, EN)

- Poor - uses automatated gazetteer coordinates, rather than human interpretation of actual data (788173303, EN)
- poor, often using inappropriate national centroids (796658636, EN)
- Quantity of georeference can often be a little iffy. (810034473, EN)
- sometimes very coarse resolution (790517746, EN)
- There are some simple errors, using "-" where a postive value is actual (796324699, EN)
- This is better than it used to be and, for continental level maps, probably Ok. (788092186, EN)
- This is the tough one, as this would be great, but we all need \$\$ to work on our datasets (810238490, EN)
- *To establish and approximate georeferncing, even if this is lacking from the label* (802031346, ES)
- *What is available for a country* (802534229, ES)
- *Wrong georeferencing not rare* (809335155, ES)
- *yes* (800394959, ES)
- *Yes, most important* (804961333, ES)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Taxonomic quality:

- a give (793276439, EN)
- *A given taxon can appear under different names, which makes it difficult to collect range information* (809335155, ES)
- accurate citation of (804416321, EN)
- adding name & date of person who identified specimen (although frequently not recorded in collections) (804168602, EN)
- Africa - poor (796007832, EN)
- and name can often be a little iffy! (810034473, EN)
- Completely inadequate (788046697, EN)
- Coral Geographic has very stringent quality control and a coverage not provided by other sources (802988610, EN)
- *Correct identification of taxon* (797014335, ES)
- Definitely not sufficient (804123890, EN)
- Digital data can not be checked against original material and therefore are not reliable. There is a constant source of un certainty depending oin the quality/experience of the persons identifying material that goed into a database (804376501, EN)
- *Genus* (803222165, CN)
- GBIF has no synonymic expansion - a big hole (796392897, EN)
- good (804966964, EN)
- *High* (796603939, ES)
- highest possible!!! (788714731, EN)
- Identifications have not been verified by an expert in many cases (810057771, EN)
- *Important* (804961333, ES)
- important need to know source of determination (808459923, EN)
- *In GBIF there is little synonymy for names, so that a taxon can be found under different names* (796595424, ES)
- *Indicate whether data have been verified by experts* (802031346, ES)
- insufficient for plants (804829371, EN)

- *It requires handling synonyms, as these are not explicitly stated* (810758307, ES)
- *Maximum* (804198863, ES)
- More reliable taxonomic data needed (ITIS not THE authority for my group, Hymenoptera, Apoidea, Apidae) (795908935, EN)
- Non-negotiably perfect. (788745446, EN)
- not always clear how reliable identifications are (name & date of identifier) (796643378, EN)
- *Not all information has been verified or updated by experts* (805186352, ES)
- not on the current state of synonymie (789950246, EN)
- not well verified (805754411, EN)
- *OK* (807586134, FR)
- Poor - little quality control or periodic review (788173303, EN)
- Poor quality of identifications, and for tunicates, many cases of incorrect IDs or species that are NOT DESCRIBED to the SPECIES LEVEL! Same is true of other invert groups (788459249, EN)
- poor, data clearly contain many misidentifications (796658636, EN)
- *Precise* (789561787, ES)
- *Recording names "in sched", and need for search of all synonyms* (804192012, FR)
- scientific names (ITIS) and basionymes (799292774, EN)
- *Some data are not updated according to the valid names* (793316601, ES)
- *species level* (809786057, CN)
- *Specific field for subgenus in Animals* (796640001, ES)
- Specimens need to be identified to species level (796655048, EN)
- synonymy in Crataegus spp. is problematic; source? (810578140, EN)
- Taxonomic precision is key, especially for diverse / less well studied groups (803995773, EN)
- taxonomic quality/depth is not high for nematodes (804353663, EN)
- *The few records I found do not specify on what specimens (repository) are based* (788526261, ES)
- *the taxonomic structure seems not based on molecular research, i.e. APG for vascular plant* (811712867, CN)
- *Thereis not a section about the valid names an synonymies* (788686273, FR)
- unavailable (804291266, EN)
- *Uncertain* (802155962, FR)
- *Uncertainty about identification accuracy* (797563184, FR)
- Unfortunately, Insecta: Diptera: Asiloidea specimens are often misidentified in museum collections. I find this out through my taxonomic revisionary work. (788093150, EN)
- uses only one taxonomy as a standard not useful for crops at the lower level of classification (791311969, EN)
- We need more curation in all collections, to keep our records updated properly, as it is hard to keep up. (810238490, EN)
- *What is available for a country* (802534229, ES)
- Who knows? One really cannot judge it - one can only hope. (788092186, EN)
- *yes* (805947884, ES)
- *yes* (797909081, EN)
- *Yes* (800394959, ES)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Age of data:

- *after 1980* (803222165, CN)
- *All* (804198863, ES)
- all ages (from the beginning of the time or as close as possibly and to present) (788714731, EN)
- *All currently available* (789561787, ES)
- all record (804416321, EN)
- *Ample* (796603939, ES)
- Any and all. (788745446, EN)
- *Collecting dates unavailable; these are needed for my analyses* (794026967, ES)
- Definally need to know age of data, we do not have this in our database. (810238490, EN)
- geologic age (788950260, EN)
- *It is necessary in order to analyze species colonisation in an area* (810758307, ES)
- *It is often lacking* (807149821, ES)
- *Many data do not contain dates* (793316601, ES)
- Need more early data. Need to go back to verify early museum specimens and provide species names. (788459249, EN)
- Need to be known (810034473, EN)
- Not enough historic data on distributions (795908935, EN)
- Poor (796007832, EN)
- *provide citations for occurrence and scientific names* (811712867, CN)
- *Recent taxonomical revisions haven't been included* (807586134, FR)
- Seldom updated (788173303, EN)
- *Uncertain* (802155962, FR)
- *What is available for a country* (802534229, ES)
- *Wide range of dates in order to allow for comparisons* (804961333, ES)
- *yes* (805947884, ES)

22 - If GBIF mobilised data is partially or absolutely not useful for your applications, we would like to know which needs are not satisfied by the GBIF mobilised data? (please specify details in the text box in front of each category): Others (please specify)

- *Although we are active, we simply don't yet use these data* (803358761, RU)
- Being able to resolve mapped data by state with the United States. Ex.: search for *Euphorbia agraria*; I don't see a way to resolve the map to tell which states the observational data is really from! (789623369, EN)
- *can allow for raw data downloading* (811763921, CN)
- *Checking and cleanup of data is necessary* (797014335, ES)
- Data could be better organised (803718291, EN)
- data on animal species distribution are too incomplete and reliability cannot be checked (789429095, EN)
- details of habitat (789954185, EN)
- distinction between natural occurrence and human introduction, e.g. in a garden, or as a weed (789950710, EN)
- *Either the question is incorrectly worded or I don't understand it* (804928277, ES)

- have never looked into this (805778517, EN)
- I am not familiar with GBIF mobilised data, yet (807306375, EN)
- I believe that the data is useful as is but I've just not gotten to take advantage of it. (792934475, EN)
- i do not know (804946772, EN)
- *I don't know* (809190344, ES)
- I don't really know (804182347, EN)
- I dont use the GBIF data already (804268975, EN)
- *I have never attempted to work with them* (808942120, ES)
- I have not used GBIF for primary information before; I need to investigate what options are possible. (788371183, EN)
- I may not know well enough how to get the data in suitable form (799368736, EN)
- I was unaware of GBIF prior to this survey. Also, our needs are met well in house with the data we have. (797508056, EN)
- *Infraspecific names, cultivar names* (804192012, FR)
- It takes too long to download the files. I have restricted time to research each species.. (790534038, EN)
- *Many local collections have undigitised ledgers* (790077577, ES)
- more high quality georeferenced data (791614428, EN)
- Names data are really useful, together with uBio like services for matching and detecting. Problem is accessibility: Matching/merging with existing data sets (797175250, EN)
- never heard about it before (788670827, EN)
- Not in my research needs (804411845, EN)
- *Scarcity of the above data for Phylum Arthropoda* (806267880, ES)
- The identification quality control in GBIF and the lat long quality controls are poor. There are records of bees from Australia that actually refer to Arizona - the NS EW coordinates having been entered the wrong way round! (810548447, EN)
- the region of my interest India, is not completely covered, hence getting only fragmentary data (794212955, EN)
- *To be reviewed* (794025942, ES)
- *To simplify access and data finding, especially for local data* (797469049, ES)
- yes (804182347, EN)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Taxonomic Names/Checklist data:

- *all* (791010796, ES)
- *all* (810646790, CN)
- *all categories* (793098908, ES)
- *All valid names and synonyms* (788686273, FR)
- *already supplied by others -- why duplicate?* (801621840, FR)
- *Animal and Plant* (789561787, ES)
- *As long as they are adequately checked and are reliable* (808821546, ES)
- check lists are not that useful to me (793276439, EN)
- Checklists for regions, countries, states or defined by polygons (shapefiles loaded by users) (789918245, EN)
- *classification data* (800614907, CN)
- *current and synonyms* (794025942, ES)

- *essential element in specimen identifications* (800573355, CN)
- *Establishing whether determinations have been verified by an expert. Taxonomical keys or references to them* (802031346, ES)
- *Fishes* (812620635, CN)
- *Flora and wildfauna within some extinction risk category* (793087734, ES)
- for crop data (791311969, EN)
- Fungi are now incomplete (804100411, EN)
- Gaps in Plant data filled (808459923, EN)
- *Getting listings in an easier and more effective manner* (798229727, ES)
- Global taxonomic checklists (804220564, EN)
- Great to make list when going to a new area (810238490, EN)
- Heterogynaidae, Ampulicidae, Sphecidae, Crabronidae (805197173, EN)
- images of type specimens (804457042, EN)
- *in Zoology* (796603939, ES)
- increase species (805754411, EN)
- invertebrates (796079107, EN)
- IPNI, Tropicos, Kew checklists (788714731, EN)
- ITIS-CA seems to work a lot better than GBIF (804595709, EN)
- *IUCN conservation status* (790256163, ES)
- *Listings of names used in specific reference works, i.e. Flora Iberica* (807624753, ES)
- *name listings* (796599999, ES)
- names and synonyms (808696643, EN)
- Names are, for my taxa, better from IPNI and/or TROPICOS (788092186, EN)
- *needed* (803491645, CN)
- Nematoda (804353663, EN)
- oceanic planktonic organisms (788674644, EN)
- Only if accurate (788046697, EN)
- Other sources are usually available, hence low priority (788173303, EN)
- *Plants and animals* (794551257, ES)
- Plants, Vertebrates, Insects (801835961, EN)
- Rana (804780925, EN)
- regional check lists (796392897, EN)
- regional checklist (790334068, EN)
- *Regional listings* (807122567, ES)
- *Regnum Animalia - all species* (804882356, RU)
- *scientific names* (803275497, CN)
- *Scientific names* (804413864, ES)
- species from the Indian Subcontinent (804862322, EN)
- *species list in different geographic scales* (800590953, CN)
- *Standardized species lists* (797480134, ES)
- *synonyms* (798178007, CN)
- *Synonyms used by data holders* (796595424, ES)
- *tabulated data* (801430278, RU)

- *Taiwan and southeast Asia regions* (799090046, CN)
- Taxonomic Names/Checklist data (804150587, EN)
- *Taxonomical* (788855019, ES)
- *Taxonomy of species* (804198863, ES)
- This would be a huge advance for taxonomic searching (791614428, EN)
- This, along with crosswalks to country standards would be lovely (793207067, EN)
- *Updated list of names with their synonyms* (804951687, FR)
- *Very important* (796647418, ES)
- *very important* (804917555, CN)
- *What is available for a country* (802534229, ES)
- **yes** (788123063, EN)
- **Yes** (788192263, EN)
- **yes** (788247905, ES)
- **yes** (788368913, EN)
- **yes** (788497924, ES)
- **yes** (788533978, EN)
- **yes** (788762474, FR)
- **yes** (789102013, EN)
- **yes** (789289044, EN)
- **Yes** (789392808, EN)
- **yes** (789488116, ES)
- **yes** (789779878, EN)
- **yes** (789950246, EN)
- **yes** (790094310, EN)
- **yes** (790300687, EN)
- **yes** (790473914, ES)
- **yes** (790534038, EN)
- **yes** (790612784, EN)
- **yes** (791200661, ES)
- **yes** (791230462, EN)
- **yes** (793071056, ES)
- **yes** (794212955, EN)
- **yes** (794786851, ES)
- **Yes** (795908935, EN)
- **yes** (796160448, EN)
- **Yes** (796220458, EN)
- **yes** (796820448, ES)
- **yes** (797175250, EN)
- **yes** (797396385, ES)
- **Yes** (798217342, EN)
- **yes** (799292774, EN)
- **yes** (799331109, EN)
- **yes** (800394959, ES)

- *yes* (800458689, CN)
- *yes* (800584469, ES)
- *yes* (800595120, CN)
- *yes* (802155962, FR)
- *yes* (803296708, CN)
- *yes* (804121745, EN)
- *yes* (804165147, EN)
- *yes* (804182347, EN)
- *yes* (804192012, FR)
- *yes* (804239602, ES)
- *yes* (804273853, EN)
- *yes* (804291266, EN)
- *yes* (804325205, ES)
- *yes* (804372510, ES)
- *yes* (804483380, EN)
- *yes* (804821214, EN)
- *yes* (804913571, EN)
- *yes* (804929467, ES)
- *yes* (805186352, ES)
- *yes* (805694226, CN)
- *yes* (805947884, ES)
- *yes* (806267880, ES)
- *yes* (806724397, ES)
- *yes* (807432048, EN)
- *yes* (807543428, RU)
- *yes* (807601453, ES)
- *yes* (809180532, ES)
- *yes* (809335155, ES)
- **Yes** (809896381, EN)
- *yes* (810201330, ES)
- *yes* (810548447, EN)
- **YES** (810561764, CN)
- *yes* (813415817, CN)
- *yes* (813424731, CN)
- *yes* (813427630, CN)
- **Yes and by geography** (810034473, EN)
- **YES!** (788745446, EN)
- *yes, an electronically accessible, up to date taxonomy of all living species is the #1 priority to me.* (804500588, EN)
- *yes, concerning the Réunion Island and the Indian Ocean region and the Mascarene subregion* (805722057, FR)
- *yes, standardized names* (793791487, EN)
- *Yes, with taxonomic experts' curation or some appreciation of the reliability degree* (797563184, FR)

- zoobank, Encyclopedia of Life (788687099, EN)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Specimen based Occurrence data:

- Absolutely (793207067, EN)
- *Abundance-dominance* (807586134, FR)
- *accurate GPS data* (798178007, CN)
- accurate location below county (788512581, EN)
- Aluka, local collection databases (788714731, EN)
- amphibians, earthworms (788052928, EN)
- *As long as the repositories of provenance for each specimen's data are recorded* (788526261, ES)
- as much as possible! (789623369, EN)
- *Availability of information* (804413864, ES)
- *collected* (788855019, ES)
- *collecting records and localities* (800590953, CN)
- *collection locality and specimen depository* (803275497, CN)
- *Collector's data* (802031346, ES)
- *Complement with more herbaria or collections* (807636396, ES)
- critical (788173303, EN)
- current availability of species facing erosion from Asia (804862322, EN)
- *date, collector, collection, georeferences, localities* (794025942, ES)
- Defined by polygons (shapefiles loaded by users or a useful tool to draw polygons, instead of fixed square) (789918245, EN)
- definitely useful (788738209, EN)
- Descriptions (804150587, EN)
- Expanded coverage. (788027187, EN)
- for plants (804829371, EN)
- for the atlantic islands (804416321, EN)
- high quality data from reliably identified sources would be wonderful (796643378, EN)
- *Historical data* (796601295, ES)
- I am mainly interested in herbarium specimens. Would love an option to easily see if the records are imaged!!! (788670827, EN)
- *important* (804917555, CN)
- *In the case of plants, as long as there is a voucher deposited at some herbarium* (796830098, ES)
- *In the Neotropics* (804198863, ES)
- Inclusion of much more identified specimen data with complete place/time/collector instances (804315730, EN)
- *increasing the current level of data* (807624753, ES)
- Increasingly (788046697, EN)
- link to specimen databases for northern species (788900448, EN)
- linking to crop information (791311969, EN)
- More complete coverage of all herbaria, especially in Canada, northern Eurasia (810057771, EN)
- More of this please (810238490, EN)
- More of this. (788718259, EN)

- *museum and specimen numbers in the collection* (799090046, CN)
- Natural history collection data (791614428, EN)
- Nematoda (804353663, EN)
- no (797175250, EN)
- ok but overrated. Not much we can do with data on northern hemisphere museum collections. (796392897, EN)
- Plants (801835961, EN)
- regional checklists (804220564, EN)
- *Sufficiently checked* (808821546, ES)
- *tabulated data* (801430278, RU)
- Tracks, Nodes, Masses, & Baselines (796324699, EN)
- Useful only when names of identifiers are supplied with the records (804376501, EN)
- *very important* (796647418, ES)
- *What is available for a country* (802534229, ES)
- *yes* (813427630, CN)
- **Yes** (788092186, EN)
- **Yes** (788093150, EN)
- **Yes** (788192263, EN)
- *yes* (788247905, ES)
- *yes* (788368913, EN)
- *yes* (788497924, ES)
- *yes* (788762474, FR)
- *yes* (789102013, EN)
- **Yes** (789392808, EN)
- *yes* (789429095, EN)
- *yes* (789488116, ES)
- *yes* (789779878, EN)
- *yes* (789950246, EN)
- *yes* (790077577, ES)
- *yes* (790094310, EN)
- *yes* (790300687, EN)
- *yes* (790473914, ES)
- *yes* (790517746, EN)
- *yes* (790534038, EN)
- *yes* (790612784, EN)
- *yes* (791200661, ES)
- *yes* (791230462, EN)
- *yes* (793791487, EN)
- *yes* (794212955, EN)
- *yes* (794551257, ES)
- **Yes** (795908935, EN)
- **Yes** (796007832, EN)
- *yes* (796160448, EN)

- **Yes** (796220458, EN)
- **yes** (796603939, ES)
- **yes** (796655048, EN)
- **yes** (796820448, ES)
- **yes** (797396385, ES)
- **yes** (797480134, ES)
- **Yes** (798217342, EN)
- **yes** (798601169, EN)
- **yes** (799292774, EN)
- **yes** (799348997, FR)
- **yes** (800394959, ES)
- **yes** (800458689, CN)
- **yes** (801621840, FR)
- **yes** (802155962, FR)
- **yes** (803296708, CN)
- **yes** (803358761, RU)
- **yes** (804121745, EN)
- **yes** (804165147, EN)
- **yes** (804239602, ES)
- **yes** (804273853, EN)
- **yes** (804325205, ES)
- **yes** (804372510, ES)
- **yes** (804483380, EN)
- **Yes** (804743560, EN)
- **yes** (804821214, EN)
- **yes** (804913571, EN)
- **yes** (804961333, ES)
- **yes** (805186352, ES)
- **yes** (805694226, CN)
- **yes** (805947884, ES)
- **yes** (807432048, EN)
- **yes** (807543428, RU)
- **yes** (807601453, ES)
- **yes** (807617434, ES)
- **yes** (808459923, EN)
- **yes** (809180532, ES)
- **Yes** (809896381, EN)
- **yes** (810014479, FR)
- **yes** (810201330, ES)
- **yes** (810548447, EN)
- **YES** (810561764, CN)
- **yes** (813424731, CN)
- **yes** (800595120, CN)

- *yes* (813415817, CN)
- (YES) (788745446, EN)
- Yes as much as possible but with quality know! (810034473, EN)
- yes this is the only type of data that entomologists trust in light of constantly-changing taxonomy (804500588, EN)
- YES! (788745446, EN)
- *Yes, associated to the collecting locality, for flora and fauna* (807592721, ES)
- yes, but more precise (796658636, EN)
- Yes, this is key to determining the accuracy and precision of the records. (796675742, EN)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Observation based Occurrence data:

- *yes* (813424731, CN)
- *yes* (800595120, CN)
- *yes* (800458689, CN)
- *yes* (803296708, CN)
- YES (810561764, CN)
- *needed* (803491645, CN)
- *important* (804917555, CN)
- *collection records* (803275497, CN)
- Also important (793207067, EN)
- altitudinal data (789950710, EN)
- amphibians, earthworms (788052928, EN)
- associations (804220564, EN)
- *Data based on occurrence of species, indicating occurrence areas* (791010796, ES)
- Defined by polygons (shapefiles loaded by users or a useful tool to draw polygons, instead of fixed square) (789918245, EN)
- *documented by date, observer, site, locality, georeference* (794025942, ES)
- entirely unreliable in my group (810548447, EN)
- for the atlantic islands (804416321, EN)
- good, but needs "reliability" estimate (788173303, EN)
- *Historical data* (796601295, ES)
- *Indicating source as a reference of the assumed reliability of observations* (807624753, ES)
- less emphasis here - unless it can be easily filtered. (789623369, EN)
- link to observation databases for northern species (788900448, EN)
- More of this. (788718259, EN)
- *no* (790473914, ES)
- *no* (797396385, ES)
- *no* (807432048, EN)
- no, not for insects - voucher specimens are preferable. (788368913, EN)
- *Not necessarily. Generally unreliable for insects* (797563184, FR)
- *Occurrence data based on observations* (793854941, ES)
- OK with this, but not as good (810238490, EN)
- *Only in cases of observer's high reliability, having reliable data* (802031346, ES)

- Only reliable when done by experienced researchers (804376501, EN)
- particularly GIS data (811046108, EN)
- perhaps (797175250, EN)
- Plants (801835961, EN)
- population data of plants from Indian Subcontinent (804862322, EN)
- *Regional listings* (807122567, ES)
- same as above (796324699, EN)
- *Scanned herbarium sheets with labels and collector notes (for plants)* (807586134, FR)
- *species* (804198863, ES)
- This is terrific and if sufficiently numerous, a powerful start. (803743468, EN)
- valuable but lacking associated data and metadata etc (796392897, EN)
- vertebrates and invertebrates (796079107, EN)
- very useful - if some documentation for how the observation was made, e.g. photo, link to homepage of observer to evaluate confidence, could overcome some of the restriction in shortage of georeferenced voucher specimens (798262770, EN)
- well sampled in a standardised way e.g Pollard and Yates type data (804127770, EN)
- *What is available for a country* (802534229, ES)
- yes (789102013, EN)
- Yes (788192263, EN)
- yes (788247905, ES)
- yes (788738209, EN)
- yes (788762474, FR)
- yes (789289044, EN)
- Yes (789392808, EN)
- yes (789429095, EN)
- yes (789779878, EN)
- yes (789950246, EN)
- yes (790300687, EN)
- yes (790534038, EN)
- yes (790612784, EN)
- yes (791230462, EN)
- yes (793791487, EN)
- yes (794551257, ES)
- yes (794786851, ES)
- Yes (795908935, EN)
- yes (796160448, EN)
- Yes (796220458, EN)
- yes (796603939, ES)
- yes (797480134, ES)
- yes (797909081, EN)
- yes (799292774, EN)
- yes (800584469, ES)
- yes (801621840, FR)

- *yes* (802155962, FR)
- *yes* (803358761, RU)
- *yes* (804121745, EN)
- *yes* (804239602, ES)
- *yes* (804273853, EN)
- *yes* (804325205, ES)
- *yes* (804372510, ES)
- *yes* (804961333, ES)
- *yes* (807543428, RU)
- *yes* (807601453, ES)
- *yes* (809180532, ES)
- **Yes** (809896381, EN)
- *yes* (810014479, FR)
- *yes* (810201330, ES)
- **Yes - but identifiable from vouchered records** (808459923, EN)
- **Yes as much as possible but with quality know and quality control** (810034473, EN)
- **yes but it should be accurate, as the observer must be trusted for identification** (794212955, EN)
- *Yes, associated to the collecting locality, for flora and fauna* (807592721, ES)
- *Yes, backed by photography at least* (790077577, ES)
- **Yes, but only if supported by a (virtual) voucher system to enable identifications to be confirmed.**
(796675742, EN)
- *yes, concerning the Réunion Island and the Indian Ocean region and the Mascarene subregion*
(805722057, FR)
- **Yes, if it is labelled as such** (804743560, EN)
- **?** (796160448, EN)
- **?yes** (788745446, EN)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Multimedia Resources based Occurrence data:

- *Historical data* (796601295, ES)
- **If including landscapes yes** (810034473, EN)
- **I'll go to wikipedia for that.** (796392897, EN)
- **Images** (804150587, EN)
- **maybe** (810548447, EN)
- **Nematoda** (804353663, EN)
- *no* (794551257, ES)
- *normal* (804917555, CN)
- **Not so important** (793207067, EN)
- **not sure** (793791487, EN)
- *Pictures* (807122567, ES)
- **Pictures are great, but only are as good as the photographer and picture** (810238490, EN)
- **pictures!** (789950710, EN)
- **sounds** (805771465, EN)
- **sounds potentially useful** (804595709, EN)

- *species pictures* (799090046, CN)
- *such a way of presentation is easier to understand* (797394842, CN)
- *What is available for a country* (802534229, ES)
- *yes* (789289044, EN)
- *yes* (789488116, ES)
- *yes* (790077577, ES)
- *yes* (790300687, EN)
- *yes* (790473914, ES)
- *yes* (797175250, EN)
- *yes* (797396385, ES)
- *Yes* (798217342, EN)
- *yes* (799292774, EN)
- *yes* (800458689, CN)
- *yes* (800595120, CN)
- *yes* (803296708, CN)
- *yes* (804121745, EN)
- *yes* (804182347, EN)
- *yes* (804239602, ES)
- *yes* (804273853, EN)
- *yes* (804325205, ES)
- *yes* (804372510, ES)
- *yes* (807432048, EN)
- *yes* (807543428, RU)
- *yes* (809180532, ES)
- *Yes* (809896381, EN)
- *yes* (813415817, CN)
- *YES!* (795908935, EN)
- *yes, concerning the Réunion Island and the Indian Ocean region and the Mascarene subregion* (805722057, FR)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Other types of Observations/Occurrences data (e.g. agro-forestry, fish landing, migration etc.):

- *all these* (794551257, ES)
- *All types of territory-related data: habitats, ecology, etc.* (807602390, ES)
- *border interception data* (789289044, EN)
- *co-occurrences* (810548447, EN)
- *Ecology and environmental description (habitat) data* (807586134, FR)
- *Fish condition factor, sex ratio, gonadal stage* (794025942, ES)
- *fish landing* (798215298, CN)
- *fish landings, fish effort,* (789918245, EN)
- *Fisheries, land use, migration (especially marine organisms)* (791010796, ES)
- *migration,* (794212955, EN)
- *needed* (803491645, CN)

- *normal* (804917555, CN)
- *observations and land use* (793914530, ES)
- observations on specific plant parts particularly fruit in horticulture environments (790534038, EN)
- occurrences of marine invert larvae in water column; recording of gravid adults vs nonreproductive (788459249, EN)
- *old records* (804198863, ES)
- *ornamental uses* (793087734, ES)
- *phenology, population density* (803275497, CN)
- Species Occurrence Records & Phenological changes in a particular ecoregion, province due to possible climate change (809896381, EN)
- sure (804121745, EN)
- Useful, but not a priority for us (810238490, EN)
- *What is available for a country* (802534229, ES)
- Yes (788192263, EN)
- *yes* (788247905, ES)
- Yes (788533978, EN)
- Yes (789392808, EN)
- *yes* (789779878, EN)
- *yes* (789950246, EN)
- *yes* (790300687, EN)
- *yes* (790473914, ES)
- *yes* (794786851, ES)
- *yes* (796160448, EN)
- *yes* (798601169, EN)
- *yes* (799292774, EN)
- *yes* (800458689, CN)
- *yes* (800595120, CN)
- *yes* (803358761, RU)
- *yes* (804192012, FR)
- *yes* (804239602, ES)
- *yes* (804273853, EN)
- *yes* (804961333, ES)
- *yes* (805694226, CN)
- *yes* (805947884, ES)
- *yes* (807601453, ES)
- YES (810561764, CN)
- *yes* (813424731, CN)
- *yes* (789102013, EN)
- *yes - all of that* (796392897, EN)
- YES! (788745446, EN)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Names and occurrences extracted from Publications:

- *accurate literature information* (798178007, CN)
- *classification literature of vascular plants* (811763921, CN)
- *complete literature information* (799090046, CN)
- *Correctly, observing nomenclatural codes* (804198863, ES)
- Could be useful (804376501, EN)
- Data on specimens that voucher DNA sequence data (810057771, EN)
- every possible (788714731, EN)
- *Everything available should be compiled, this is an extremely easy task* (797564964, ES)
- for plants (804829371, EN)
- good, but needs "reliability" estimate (788173303, EN)
- I think that's the domain of BHL and the literature content providers (796392897, EN)
- important (793791487, EN)
- link to publications with data (789950710, EN)
- *Listings by species* (807122567, ES)
- *Literature information* (804413864, ES)
- *Literature records* (807586134, FR)
- *literature sources, language used* (803275497, CN)
- Love publications, especially with name changes, as we need to know if these are molecular or taxonomic (810238490, EN)
- market observations, trade routes, confiscation, and other trade data (Bushmeat, Asian wildlife trade, etc.) (804382493, EN)
- maybe (796160448, EN)
- *needed* (803491645, CN)
- Nematoda (804353663, EN)
- No -- dangerous as there are so many misidentifications in the groups I study (788459249, EN)
- No - please stand out from the standard report - I have already made many corrections to stuff that we pulled from publications. USING them only perpetuates errors (788092186, EN)
- *normal* (804917555, CN)
- Plants (801835961, EN)
- Preferable, but data authenticity needs to be ensured (809896381, EN)
- *Regarding Myxomycetes* (807636396, ES)
- Synonyms and source of names (804392582, EN)
- *That would be very desirable* (802031346, ES)
- *They are unreliable* (808821546, ES)
- this would be very useful if it is complete and accurate. (804500588, EN)
- this would make research much easier and can save lots of time if done carefully (796643378, EN)
- *type locality and collecting sites* (800590953, CN)
- *very important* (796647418, ES)
- Very much desired (788046697, EN)
- very much so! (804273853, EN)
- very useful (804121745, EN)
- *What is available for a country* (802534229, ES)
- would be useful (788738209, EN)
- *yes* (788247905, ES)

- **Yes** (788533978, EN)
- **YES** (788745446, EN)
- **yes** (788762474, FR)
- **Yes** (788900448, EN)
- **yes** (789289044, EN)
- **Yes** (789392808, EN)
- **yes** (789429095, EN)
- **yes** (789488116, ES)
- **yes** (789779878, EN)
- **yes** (790077577, ES)
- **yes** (790300687, EN)
- **yes** (790473914, ES)
- **yes** (790612784, EN)
- **yes** (791200661, ES)
- **yes** (791230462, EN)
- **yes** (794551257, ES)
- **Yes** (796220458, EN)
- **yes** (796603939, ES)
- **yes** (796820448, ES)
- **yes** (797175250, EN)
- **yes** (797396385, ES)
- **yes** (797563184, FR)
- **yes** (797909081, EN)
- **yes** (798229727, ES)
- **yes** (798601169, EN)
- **yes** (799292774, EN)
- **yes** (800394959, ES)
- **yes** (800458689, CN)
- **yes** (800584469, ES)
- **yes** (800595120, CN)
- **yes** (803296708, CN)
- **yes** (804192012, FR)
- **yes** (804239602, ES)
- **yes** (804325205, ES)
- **yes** (804372510, ES)
- **Yes** (804743560, EN)
- **yes** (804913571, EN)
- **yes** (804929467, ES)
- **yes** (805186352, ES)
- **yes** (805694226, CN)
- **yes** (806267880, ES)
- **yes** (806724397, ES)
- **yes** (807432048, EN)

- *yes* (809180532, ES)
- *yes* (809335155, ES)
- *Yes* (810034473, EN)
- *yes* (810548447, EN)
- *YES* (810561764, CN)
- *yes* (813424731, CN)
- *yes* (796216693, EN)
- *yes but from valid publications* (794212955, EN)
- *Yes but need to be flagged as such as I have often found wrong identifications* (798217342, EN)
- *yes with source reference* (808459923, EN)
- *YES!* (795908935, EN)
- *Yes, although I think these data are currently unavailable* (807624753, ES)
- *yes, concerning the Réunion Island and the Indian Ocean region and the Mascarene subregion* (805722057, FR)
- *Yes, see my paper (Meier, R. & Dikow, T. 2004. The significance of specimen databases from taxonomic revisions for estimating and mapping the global species diversity of invertebrates and repatriating reliable and complete specimen data. Conservation Biology 18(2): 478–488) on specimen data from taxonomic revisions.* (788093150, EN)
- *Yes. For instance, latest published plant records* (796830098, ES)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Sequences based associated occurrence data:

- *Absolutely* (793207067, EN)
- *As long as the repositories of provenance for each specimen's data are recorded* (788526261, ES)
- *be nice to have gene sequencing data* (803230075, CN)
- *CBoL or GenBank* (788687099, EN)
- *could be needed in the future* (800590953, CN)
- *Data is good, and on the cutting edge, but it's not everything* (810238490, EN)
- *gene sequence* (803275497, CN)
- *I think this would be very interesting for people working on taxonomy of species modelling* (796830098, ES)
- *I think that's the domain of Genbank. Although something that promotes a federated model with annotation tracking for sequence data would be useful - to break the genbank 'single global repository' model that does not work.* (796392897, EN)
- *integration of molecular data with phenotypic data will be a challenge, good luck* (793276439, EN)
- *link to sequences, if available* (789950710, EN)
- *links directly to Genbank* (799090046, CN)
- *NO* (788745446, EN)
- *no* (790473914, ES)
- *normal* (804917555, CN)
- *perhaps* (797175250, EN)
- *Phenology* (809190344, ES)
- *this may be better served elsewhere* (796658636, EN)
- *What is available for a country* (802534229, ES)
- *yes* (788247905, ES)

- YES (788459249, EN)
- yes (788497924, ES)
- yes (788762474, FR)
- yes (789289044, EN)
- Yes (789392808, EN)
- yes (789488116, ES)
- yes (789950246, EN)
- yes (790300687, EN)
- yes (790517746, EN)
- yes (790612784, EN)
- yes (791200661, ES)
- yes (794786851, ES)
- yes (796216693, EN)
- yes (797396385, ES)
- yes (798601169, EN)
- yes (800458689, CN)
- yes (800584469, ES)
- yes (803296708, CN)
- yes (804239602, ES)
- yes (804273853, EN)
- yes (804821214, EN)
- yes (804961333, ES)
- yes (805186352, ES)
- yes (807601453, ES)
- Yes (808459923, EN)
- Yes (809896381, EN)
- YES (810561764, CN)
- Yes and with dates (810034473, EN)
- yes! (788714731, EN)
- *Yes, if possible with links to the database holding the sequences and connected data* (797563184, FR)
- you mean like DNA barcodes - now that's a fine idea and I forgot to mention BOLD as a database from which I extract useful data (810548447, EN)

23 - What type of data would you like to see becoming increasingly discoverable and accessible through GBIF? Any other (please specify):

- (797388642, EN)
- 1. GBIF helped us to register our type collection of Arachnida (> 10000 series). Thanks for that!
2. I was positively surprised when data stored in SeSam and transferred to GBIF were accessible via Google search!
3. Main point for the future would be images of types, as transport regulations after 9/11 hinder the postal sending of such specimens in good condition (not in glycerin, ethanol in lower concentration or even dried!). As normal staff at collections is not sufficient for this, I am begging for another round of money from GBIF to apply for!
(789954185, EN)
- *all of the above* (803222165, CN)

- *All of the above can be improved. It is very important to indicate better the provenance of each datum. An important data overlooked at GBIF are plants belonging to ornamental flora, or from botanical gardens. This type of origin is not indicated in the records, and this can lead to confusion and incoherence.* (808694797, ES)
- All of this information would be useful. (792934475, EN)
- *At the moment, these data are available through other sources* (800740194, FR)
- Change the projection of the coordinates as you go to north and south poles (788900448, EN)
- character information and interactive ID (789957944, EN)
- *Description of protocols with the set of measurements taken* (799720113, FR)
- ecological primary data which needs to be linked to taxonomic information (789950246, EN)
- general distribution maps (805771465, EN)
- *Herbarium specimen images* (789456090, ES)
- I am not familiar with GBIF mobilised data, yet (807306375, EN)
- I do not know whether you have datasets on freshwater fishes (804946772, EN)
- images of types! (789954185, EN)
- *Integrated data allowing a direct regional or global vision by taxon group* (791081861, ES)
- *Literature data. Ability to download papers, something not possible for amateurs* (809504663, ES)
- *Maps with global registers of species in order to visualize their ranges* (793076383, ES)
- migration, invasive species (811046108, EN)
- more paleontological and geological data (788132571, EN)
- Perhaps measures of how species responses are changing over time (e.g. to climatic shifts) (803995773, EN)
- *Pivot tables with biotopes at the global level* (800587696, FR)
- *Population locations, even through a password and ID system* (797469049, ES)
- Potential distribution of species (models), especially for marine and coastal species, habitat and vegetation types (789918245, EN)
- properties of the organism (797175250, EN)
- Quantitative data, e.g., vegetation plots (796220458, EN)
- *Richness, diversity, abundance* (806756252, ES)
- soil types (810057771, EN)
- Species Management (803718291, EN)
- Specimen based occurrence data extracted from publications???? (789623369, EN)
- *Those related to description, identity, and geographical location* (806267880, ES)
- type specimen images and other data on them, e.g. original protologues (804479061, EN)
- yes to all of these - as long as the georeferencing actually works (804966964, EN)

24 - If you have any comments not covered by the survey, feel free to enter them here. Open-Ended Response

- *A better training at the national level is needed in order to exploit the quality services that GBIF offers* (788247905, ES)
- Accuracy of identifications and georeferences are key. Both are hard to be certain of. The former can be best done through a combination of traditional and barcoding techniques and ONLY with vouchered material in a museum where its identification can be checked whenever required. (810548447, EN)
- *As important as the quantity and quality of data, enhancing the portal's times and capabilities* (796647418, ES)

- As said earlier, I represent the Danish GBIF participant node, but i have answered as the bee researcher which I also am ;-)
(795908935, EN)
- At present I do not have funding to complete Coral Geographic, but the intention is to make it freely available on a website as soon as possible. This the most comprehensive and larges biogeographic database in the marine realm
(802988610, EN)
- Best of luck with GBIF.
(803995773, EN)
- Can you help me answer the question: "What is this organism called?"
(799331109, EN)
- did not address my issues about sampling methodologies which are of great importance
(804127770, EN)
- easy communication with data provider is essential
(804116878, EN)
- *Fish species data under different conservation status. Isolated or fragmented populations and subspecies. Historical distribution maps.*
(794025942, ES)
- for data to be delivered and captured some training to data providers needs to be given (some food for thoughts). Well done!
(791311969, EN)
- For taxonomic work, information about morphology of primary types is essential as far as original descriptions of taxa too often appear uninformative and digiphotos available are not informative enough. Study of types on loan is optional for this work, but some institutional collections can not send out material - on understandable reasons. Here is a pitfall for taxonomists.
(804913571, EN)
- GBIF still suffers from a significant bias in content, management and policy due to its origins in servicing the parochial needs of the northern hemisphere museum taxonomist community. It is still not servicing the real needs of the conservation, biosecurity and biotechnology sectors.
(796392897, EN)
- *GBIF's international data portal lacks in visuals related to species georeferencing maps. They are poor and lack tools and visualization options. Information for each record could be wider and clearer if other interest fields could be included in the online application. Another important issue is that according to the type of biological collection we're dealing with, some underrepresented fields could be added or better represented. For example, if I have a collection of pollen slides, I'm not interested in georeferencing and collector's data, but in the conservation system, species, if SEM pictures are available, etc. In GBIF there are many biological collections that actually don't fit because GBIF is not adapted to them, or doesn't care about them.*
(808694797, ES)
- *Given the characteristics of the required information on species and populations, this is often related to secondary information. Therefore, and in order to better evaluate this information, we should be able to relate it better to species' requirements for working in Protected Areas.*
(791010796, ES)
- *How do I get hold of this survey's results, as well as your conclusions and actions derived from them?*
(791081861, ES)
- *How does GBIF collaborate with our platform?*
(807400210, ES)
- I am lost in the swirl of acronyms, terminology, jargon, schema, standards, etc. Please make widely available a "primer" of some sort (or links to where one already exists) that helps those of us who are not particularly computer-savvy to become better informed of at least the basic information necessary to navigate online information and records. For example, when doing a GBIF search of occurrences for the plant family I'm working on, it comes back as "No occurrences records found". I don't know if the database is incomplete, containing no records for this family, or if I'm doing something incorrectly in my attempt to search for records.
(805077604, EN)
- *I didn't know about GBIF until receiving the survey through the College of Biologists*
(808611345, ES)
- *I didn't understand some questions, so I left some blanks. The materials I've been using are the technical records about flora and fauna species.*
(789477115, ES)
- I do not often use GBIF myself but rely on direct contacting institutions directly through the web. If I can figure out how to give my records to GBIF, then perhaps I would use GBIF for my work more often.
(792934475, EN)

- *I don't understand the latest questions from the point of view of global ranges, as, in general, marine fish.* (804928277, ES)
- I have filled this survey out on behalf of myself and not on behalf of my institution as a whole. As far as I'm aware, there was no co-ordinated effort to respond to this survey at the institutional level at our museum (810168013, EN)
- I have not used gbif much and this type of work is a small part of my job. (788512581, EN)
- I have not used GBIF, but this survey prompted me to visit the site. At first glance it appears to be especially useful for my needs. (788118223, EN)
- I have wasted my time trying to answer your questions (796595322, EN)
- *I personally work on intraspecific diversity subjects (genes), that for me are actually primary biodiversity data. I believe it would be necessary to determine what studies of this type exist among different taxa.* (810102198, ES)
- *I think that GBIF is doing a great job, invaluable for basic research* (806724397, ES)
- *I think that if the information could be classified at the local level, this could lead to a good environmental planning by organisations and governments* (794211825, ES)
- I think the database would be more useful if the speed of finding information, there are too many clicks required to get to the information you are looking for.. (790534038, EN)
- *I wish GBIF portal usage seminars are organised at the national level* (788686273, FR)
- I would be very happy to provide the specimen data gathered during my taxonomic revisionary studies to GBIF as many of the specimens come from smaller museums who have not the ability to provide access to their holdings through GBIF. Furthermore, the insect specimen data are now properly identified and up to the latest taxonomic standard. I have tried to use the new IPT software, but unfortunately cannot figure out how to upload my specimen data. (788093150, EN)
- I would like to learn more about GBIF. (810715089, EN)
- *I'd like to have access to species listings at the county level.* (793409884, ES)
- *In the name of Oceanographers Without Borders, thanks for supporting Open Access to scientific publications. Your work is excellent, you should not discontinue, you have our support.* (797462382, ES)
- information already stored in natural history collections are not the main problem of primary biodiversity data but university projects never being published or amateur data never being made public (789950246, EN)
- Information on Indian type materials of plants in European herbaria in image form will help research workers in India (804829371, EN)
- *It is a very important and fundamental initiative, but perhaps collections should be better committed to the quality of information they enter into your databases.* (793316601, ES)
- It is really a pity that the distribution maps produced cannot be exported in a nice format useful for publications! (804101235, EN)
- It would be helpful to see user statistics, i.e. what kind of information is mostly browsed and what kind of data is frequently requested but still lacking. (798198867, EN)
- It would be useful to have data from published checklists for particular sites available and searchable by species online. (810057771, EN)
- It's probably not worth using my survey. I'm still busy setting up CASABIO and developing the software. I've been busy with PhD, and when that's done I shall concentrate on it. The NGO, CASABIO, will be obtaining GPS-linked records of plant species occurrence linked with images of those species. We shall be starting in the Cape. So many of the answers are based on future requirements. Thanks David Gwynne-Evans (804604905, EN)
- Many of the problems in the data are due to gaps in the science! We need more taxonomic work, especially that which includes life history and associated flora/fauna studies. (788459249, EN)
- My feedback may not be very accurate, as I have not used GBIF until recently. I do not have enough experience in the use of this database to give reliable answers, and I did not understand all (of) the questions. (799890359, EN)

- My primary data are the specimens (flies) themselves. All checklists, taxonomic accounts, etc. are secondary, not primary data. (788162326, EN)
- no comments at this stage (804946772, EN)
- On the main webpage, change the Global map projection to better see the northern and the southern extremes... move off Mercator. (788900448, EN)
- One of the reasons that I started my web site was because I couldn't find that information anywhere else! (804273853, EN)
- Paleontologic data could easily be added and it provides the only history of prior extinction events, climate change etc. (788950260, EN)
- Please feel free to contact me if you have any questions. (811046108, EN)
- Please note that the GBIF portal is very difficult to use. All attempts I have made to use it produce the species I am looking for but then produce nonsensical localities (804966964, EN)
- *please pay attention to survey design; not easy to answer the questions* (811707505, CN)
- *Please show or send a general summary of this exercise* (794551257, ES)
- Portal is slow, at least 10x slower than google. (788368913, EN)
- *questionnaire is too long* (811710761, CN)
- radio buttons of the first question did not work. some questions were difficult to understand. it is good that this questionnaire was programmed in a way that also old browsers can read it perfectly. (789429095, EN)
- See you in Copenhagen in June. (803743468, EN)
- Since GBIF is now using the USDA Plants database records for plant distributions, there is no way to differentiate between vouchered records and other kinds of records. This greatly limits the usefulness of GBIF data for many serious, scientific purposes, given that science must be repeatable and verifiable. (791122013, EN)
- *some questions are ambiguous; not easy to answer if you are not a regular user* (801130797, CN)
- Thank you for making the possibility of the Panbiogeography Atlas a reality (796324699, EN)
- *Thank you for your interest in improving the quality and availability of the databases of the technical collections that hold the biodiversity information at the global level.* (802031346, ES)
- thank you. and i am willing to be a member of this organization. this is very applicable in my profession. (800464906, EN)
- *Thanks for sending me this survey* (804951687, FR)
- *Thanks for your time. I'd like to know what electronic information exchange mechanisms are there, if viable.* (802534229, ES)
- Thanks GBIF makes my work easier!!! (788533978, EN)
- thanks! Sorry this has to be quick, but the more cephalopods species and fishery information the better! (806578418, EN)
- The data I use is primarily species location data for conservation management purposes. The reliability and accuracy of the data can be variable, but must be clearly indicated. I presently use multiple data sources, of which GBIF is the least often used and the least important. (788173303, EN)
- *The GBIF data model (ABCD) does not permit, as far as I know, to describe the observation protocols used (and, therefore, all obtained information). This could be a hint about the evolution of the GBIF model.* (799720113, FR)
- The GBIF database could be improved if import of higher quality data could be funded (796658636, EN)
- *The quality of the French of some questions is poor.* (802155962, FR)
- This response is being made on my colleagues' & institutes'(NBRI) behalf. The examples cited as documentary publications include primary biodiversity data generated mostly through our own field surveys and observations. GBIF datasets are often used to authenticate species distributional records of taxa of interest to our studies. (809896381, EN)

- *To better divulge GBIF databases* (790246166, ES)
- *To create an image bank about organisms. Thanks for asking* (790077577, ES)
- *too complexed* (813358480, CN)
- *very useful* (804862982, EN)
- *We don't use GBIF data* (800740194, FR)
- *We have so many references relating to our collection, it would take me a long time to get it all together. Thanks, linda* (810238490, EN)
- *We love the idea of GBIF. It will continue to be an important part of taxonomy and biogeography.* (804353663, EN)
- *We need financing for producing data about species diversity, especially at the South of the Neotropical area.* (804198863, ES)
- *We'd like to have the results of your survey in order to know the needs at the global scale. Agreements and objectives for exchange data should be more clear.* (807586134, FR)