## TABLE OF CONTENTS

- 75 Looking back and thinking ahead where next for conservation in Madagascar? *Ferguson, B. and Gardner, C. J.*
- 77 Un pont entre les perspectives locales et globales. Waeber, P. O. et Wilmé, L.
- 127 Impressum

#### **SPOTLIGHTS**

79 A combined research agenda towards integrated conservation and development for Madagascar. *Ganzhorn, J. U.* 

### ARTICLES

- 85 Bats roosting in public buildings: A preliminary assessment from Moramanga, eastern Madagascar. *Razafindrakoto, N., Harwell, A. and Jenkins, R. K. B.*
- 89 Swarming behaviour and mass occurrences in the world's largest giant pill-millipede species, *Zoosphaerium neptunus*, on Madagascar and its implication for conservation efforts (Diplopoda: Sphaerotheriida). *Wesener, T. and Schütte, K.*
- 95 Abundance and conservation status of two newly described lemur species in northwestern Madagascar (Microcebus danfossi, Lepilemur grewcockorum). Randrianambinina, B., Rasoloharijaona, S., Rakotondravony, R., Zimmermann, E. and Radespiel, U.
- 103 Monitoring and conservation of the Critically Endangered Alaotran gentle lemur Hapalemur alaotrensis.
   Guillera-Arroita,G., Lahoz-Monfort, J. J., Milner-Gulland, E. J., Young, R. P. and Nicholson, E.
- 110 L'exportation de bois précieux (*Dalbergia* et *Diospyros*) « illégaux » de Madagascar : 2009 et après ? *Ballet, J., Lopez, P. et Rahaga, N.*

#### INTERVIEW

117 Social science and conservation in Madagascar.

#### TRAVELLING THROUGH TIME

125 Alison Jolly and Hantanirina Rasamimanana: The story of a friendship. *Jolly, M.* 

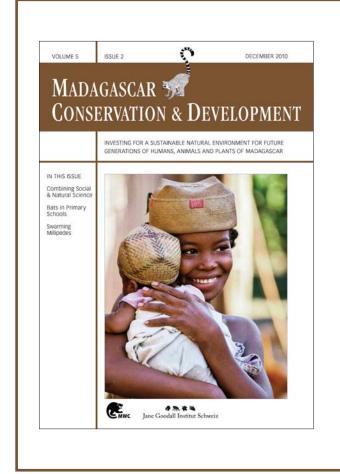
## EDITORIAL

# Looking back and thinking ahead – where next for conservation in Madagascar?

Conservation in Madagascar has seen some notable advances over the last two decades; massive policy reform and the launch of a large number of field-level initiatives have resulted in a range of new policy frameworks and institutions, a reduction in deforestation rates in many regions, the creation of numerous new protected areas and the participation of local stakeholders in new forms of natural resource governance. Such efforts have not been enough, however, to stem the tide of increasing resource degradation, and the biodiversity and functional ecosystems that underpin Madagascar's development continue to be eroded at alarming rates. These are among the conclusions of two recent reviews of the environment sector in the country, those of Freudenberger (2010) and Kiefer et al. (2010). Although different in scope, both reviews serve as useful entry points for us to reflect on progress, challenges and scenarios for the future of conservation on the island.

Kiefer et al. (2010) provides an overview of the interdependence of conservation and development in Madagascar generally, and Freudenberger (2010) focuses specifically on the interventions of USAID environment programmes over the last 25 years. Both conclude their analyses with hypothetical scenarios for the future of the conservation sector in the country. These reviews, published during the International Year of Biodiversity, provide an opportunity for reflection on the successes and failures of the environmental sector so far. At a time when the sector is facing new challenges and opportunities that will shape conservation in the decades to come (including climate change, carbon markets and REDD, population growth, political instability and increased foreign interest in Madagascar's resources), this issue of Madagascar Conservation & Development in turn provides an opportunity for further reflection on the critical question 'where next for conservation in Madagascar?'

Freudenberger's future scenarios are for the international community investing in Madagascar's sustainable development. There are, she summarises, three paths we could follow: 1) we abandon hope and give up the fight, because the challenges are simply too great, 2) we continue our current approaches, but try to do bigger and better, or 3) we collectively decide that what is at stake is so important to the world that we tear up the rule book and try radically new approaches. Kiefer et al.'s analysis, on the other hand, assumes that our collective interest in conservation will be maintained, and focuses on the respective roles of the environmental and development sectors in achieving sustainability. They argue that conservation and development are so interlinked that conservation success will only be achieved when all development sectors (including health and population, agriculture, and mining) work holistically to promote environmental sustainability in a mutually reinforcing



Madagascar Conservation & Development is the journal of Madagascar Wildlife Conservation (MWC) and the Jane Goodall Institute (JGI Switzerland). It is produced under the responsibility of these institutions. The views expressed in contributions to MCD are solely those of the authors and not those of the journal editors or the publishers.

All the Issues and articles are freely available at http://www.mwc-info.net/en/services/journal.htm

Contact Journal MCD info@journalmcd.net for general inquiries MCD funding@journalmcd.net for supporting the journal

Journal Madagascar Conservation & Development Institute and Museum of Anthropology University of Zurich Winterthurerstrasse 190 CH-8057 Zurich, Switzerland



contact@mwc-info.net for general inquiries

Postfach 2701 CH-8021 Zürich, Switzerland

Logement 11, Cité Andohaniato Antananarivo 101, Madagascar



info@janegoodall.ch for general inquiries JGI

Jane Goodall Institute Schweiz Postfach 2807 8033 Zürich Switzerland loop – conservation cannot happen without development, and development will not occur without a sufficient natural resource base. Both analyses converge on a number of issues: There is agreement that the stakes, for the Malagasy people, the national economy and global stakeholders, are high and reaching crisis point, and that progress towards a sustainable future depends largely on governance. We draw on two issues raised by these reports which help us imagine what kind of changes might be useful to the policy processes as well as in the actual concepts and substance of conservation policies themselves.

The interviews with social scientists in this issue add to the case made in Freudenberger's report; Tthat policy processes should be more inclusive of people from all sectors of Malagasy society, as well as both Malagasy and international thinkers from multiple disciplines. In working out how actually to implement this in practice, Madagascar could consider drawing on experience from the participatory policy planning processes developed in other developing countries through FAO National Forest Programmes (FAO 2006, O'Hara 2009). More inclusive conservation policy processes also need to be supported by good governance processes in the implementation of the resulting policies. To do this, the inclusion of forms of independent international scrutiny of governance across natural resource sectors would provide tools with which to tackle the institutionalised 'weak governance' which has plagued progress in conservation. Recent experience with the difficulties of resolving illegal precious wood exports (Ballet et al. this issue), and the negative social impacts of mining companies (Harbinson 2007, ALT and Panos 2009) illustrate the important role that international investigations and scrutiny can play in these matters. Rather than continuing this somewhat ad hoc and crisis-response approach, the systematic adoption of international monitoring standards would help. Models for Independent Forest Monitoring (Global Witness 2005) already exist and similar approaches could be adopted for the independent scrutiny of REDD, mining, biofuels and agricultural activities (see interviews in MCD 5(1)).

More inclusive and well informed policy processes would be expected to lead to innovation, policy reform and improved practices to produce more equitable and effective conservation. These reforms might be expected to include more effective decentralisation, more substantial economic rewards and incentives for the local people who are the custodians and customary owners of the natural resources, and to deal with one of the elephants in the room, the substantive securing of local tenure of both agricultural and forest lands. While the detail and orientation of future conservation policies is a matter for debate, we would like to use the remainder of this editorial to advocate more nuanced forms of communication by conservationists and conservation commentators. Conservation in Madagascar, as in many African nations, has become characterised by a discourse-practice divide (Benjaminson and Svarstad 2010, Büscher and de Beer In press), with relentlessly positive publicity emanating from conservation organisations extolling the virtues of their interventions (Brockington 2009) and a growing literature of critique produced by commentators on conservation (Ferguson 2010). In this issue's Spotlights article, Joerg Ganzhorn puts forward some useful approaches to remedying this situation, which otherwise risks increasing polarisation and entrenchment of positions. Among his proposals are increased collaboration between researchers and conservationists, and better availability of project reports to enable us to learn from our successes and failures. We would add to these suggestions a call for the explicit recognition of the tradeoffs which will inevitably have to be part of conservation programmes as policies are discussed, implemented and reviewed (Hirsch et al. 2010, McShane et al. 2010), and an encouragement to practitioners, policy makers and researchers alike to keep the debate alive through publishing in, reviewing manuscripts for, and reading this journal. Madagascar Conservation & Development was, after all, created as a forum for debate and exchange – let's keep using it.

Barry Ferguson School of International Development University of East Anglia, UK

Charlie J. Gardner Durrell Institute of Conservation and Ecology University of Kent, UK

#### REFERENCES

- ALT (Andrew Lees Trust) and Panos. 2009. Madagascar Voices of Change: Oral Testimony of the Antanosy People. ALT and Panos, London.
- Benjaminson, T. and Svarstad H. 2010. The death of an elephant:
   Conservation discourses versus practices in Africa. Forum for
   Development Studies 37: 385-408. doi: 10.1080/08039410.2010.516
   406
- Brockington, D. 2009. Celebrity and the environment: Fame, wealth and power in conservation. Zed Books, London.
- Büscher, B. and de Beer, E. In press. The contemporary paradox of longterm planning for social-ecological change and its effects on the discourse-practice divide: Evidence from southern Africa. Journal of Environmental Planning and Management.
- FAO (Food and Agriculture Organisation). 2006. Understanding National Forest Programmes: Guidance for Practitioners. The National Forest Programme Facility, FAO, Rome.
- Ferguson, H. B. (ed.) 2010. Voices from Madagascar's Forests: Improving Representation and Rights of Malagasy Forest People. Conference Report, University of East Anglia, Norwich, 5-6 June 2010.
- Freudenberger, K. 2010. Paradise Lost? Lessons from 25 years of USAID Environment Programs in Madagascar. International Resources Group, Washington D.C.
- Global Witness. 2005. A Guide to Independent Forest Monitoring. Global Witness, London.
- Harbinson, R. 2007. Development recast? A review of the impact of the Rio Tinto ilmenite mine in southern Madagascar. Panos, London.
- Hirsch, P. D., Adams, W. M, Brosius, P. J, Zia A., Bariola, N. and Dammert, J. L. 2010. Acknowledging conservation trade-offs and embracing complexity. Conservation Biology. doi: 10.1111/j.1523-1739.2010.01608.x
- Kiefer, I., Lopez, P., Ramiarison, C., Barthlott, W. and Ibish, P. L. 2010. Development, biodiversity conservation and global change in Madagascar. In: Interdependence of Biodiversity and Development Under Global Change, P. L. Ibisch, A, Vega E. and T. M. Hermann (eds.), pp 58-81. CBD Technical Series No. 54, Secretariat of the Convention on Biological Diversity, Montreal.
- McShane, T. O., Hirsh, P. D., Trung, T. C., Songorwa, A. N., Kinzig, A.,
  Monteferri, B., Mutekanga, D., Thang, H. V., Dammert, J. L., Pulgar-Vidal, M., Welch-Devine, M., Brosius, P. J., Copolillo, P. and O'Connor,
  S. 2010. Hard choices: Making trade-offs between biodiversity conservation and human well-being. Biological Conservation. doi:10.1016/j.biocon.2010.04.038
- O'Hara, P. 2009. Enhancing stakeholder participation in national forest programmes: Tools for practitioners. The National Forest Programme Facility, FAO, Rome.