

## Appendix I: Detailed session programmes

This section provides the time schedules for the workshops as far as known upon production of this booklet. Check for possible deviations or updates at the registration desk or at the entrance of the session.

The workshops are arranged per cluster:

- B. Biome sessions
- C. Capacity building/networking sessions
- G. Generic/regional based sessions
- O. Other sessions
- P. Policy and/or business related sessions
- S. Sessions related to projects/processes
- T. Thematic sessions

### B-cluster (Biome sessions)

<b>B1 Nature-based solutions for urban challenges</b>		
<b>Room D.013 Thursday, 22 September, 9:00–10:30; 11:00–12:30 and 14:00–15:30</b>		
<b>Host(s)</b> D. Geneletti, D. Haase		
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>9.00–10.30</b>	
	B. Hansjürgens	Implementing Nature-based Solutions in Urban Areas: Financing and Governance Aspects
	F. Turkelboom	Green versus grey solution for flood control of Leuven city (Belgium)
	S. Schetke	Climate-adaptive infill-development. Nature-based solutions in the City of Bonn (Germany)
	M. Collier	Urban transitioning with nature-based solutions: innovations and opportunities
	A. van der Jagt	Cultivating nature-based solutions: Lessons from communal urban gardening in the EU
	G. Reub	Net ecosystem services analysis in nature-based adaptation to climate change
<b>Slot 2:</b>	<b>11.00–12.30</b>	
	C. Bellamy	Modelling the impact of urban planning on pollinator habitats with local stakeholders: a route to healthy, blossoming communities?
	S. van der Meulen	Dependence of green infrastructure on water quality and quantity for effective ecosystem services delivery
	J. Lascurain	Constructed ecosystem services: the case of hybrid dunes at Barcelona
	R. Samson	Towards an integrative approach to evaluate the environmental ecosystem services and disservices provided by urban forests
	E. Krkoska Lorencova	Mainstreaming nature-based solution into the process of development urban adaptation strategies in the three Czech cities
	V. Pappalardo	Challenges in designing sustainable urban drainage systems for urban planning
<b>Slot 3:</b>	<b>14.00–15.30</b>	

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A. Robert	Nature-like setting. Cultural ecosystem services and disservices of French urban green spaces.
K. Irvine	Conceptual considerations for social and environmental benefit of nature-based solutions in urban areas
T. Zoelch	Mitigating heat and heavy rain events via urban green infrastructure: a comparative assessment at the micro-scale
I. Zwierzchowska	Potential of Polish cities for providing ecosystem services
L. McGinty	Valuation and evaluation: how to quantify monetary and non-monetary benefits of urban green infrastructure

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**B2 Payments for ecosystem services in European agricultural landscapes:  
Potentials of the ecosystem services concept to improve public agri-environmental  
measures and private payment schemes**

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**Room K.203** Thursday, 22 September, 14:00–15:30 and 16:00–17:30

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**Host(s)** B. Matzdorf, C. Meyer

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1: 14:00–15:30</b>		
14:00	B. Matzdorf, C. Meyer	Welcome and introduction: Ecosystem service modelling to assess payments for ecosystem services in European agricultural landscapes
14:05	W. Geertsema	The role of costs and benefits in optimizing agricultural landscapes for multiple ecosystem services
14:23	B. Jackson	Incorporation of the impacts of detailed agricultural management within the LUCI ecosystem services framework, and prospects for use in evaluation of public subsidies and private payments
14:41	A. Thomas	A combined monitoring and modelling approach to maximize environmental, social and economic outcomes from agri-environmental measures at the national scale
14:59	U. Kirchholtes	Payments based on ecosystem services in agricultural landscape, experiences of the Scheldt
15:17	B. Matzdorf, C. Meyer	Final discussion and session summary: ecosystem service modelling to assess PES in European agricultural landscapes
<b>Slot 2: 16:00–17:30</b>		
16:00	C. von Haaren	Information about biodiversity and ecosystem services for multiple decision makers: Farmers, administrators, private food companies
16:05	C. Schleyer	Payments schemes for farm trees and woodlands: Can the ecosystem services concept help improving scheme design and implementation?
16:23	C. Meyer	Civil society actors at the nexus of the ecosystem services concept and agri-environmental policies
16:41	C. Biedermann	Why do private individuals pay for ecosystem services? First results of a market analysis for 'AgoraNatura', a research project developing an online marketplace for ecosystem services and biodiversity
16:59	B. Matzdorf	How useful is the ecosystem service concept to improve European agri-environmental policy
17:17	B. Matzdorf, C. Meyer	Final discussion and session summary: ES application to design Payments for Ecosystem Services in European agricultural landscapes

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**B3 Putting ecosystem services into practice in freshwater management and policy (Session relevant for ESP  
Biome Working Group Freshwater Systems BWG2)**

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**Room K.102** Tuesday, 20 September, 11:00–12:30 and 14:00–15:30

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**Host(s)** L. Carvalho, B. Grizzetti

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1: 11:00–12:30</b>		
11:00	M. Giamberini	An ecosystem services approach for the sustainable management of Lake Ohrid

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11:15	M. Stępniewska	Valuation of ecosystem services to inform urban river management: The case of the Warta River Valley in Poznań, Poland
11:30	D. Brogna	How do forest cover and riparian forest ecological integrity impact stream water quality? Improve ecosystem functions' understanding for a better assessment, monitoring and management of ecosystem services
11:45	E. Pynegar	Learning from a pioneering randomised control trial of incentive-based conservation: challenges and solutions
12:00	M. Gaglio	Combining remote sensing techniques and ecosystem services approaches to assess changes of phytodepuration services in wetland systems
12:15	S. Beichler	River-cruise-trip through the ecosystem service landscape - towards an integrated index to manage use-conflicts in rivers and floodplains
<b>Slot 2:</b>	<b>14:00-15:30</b>	
14:00	L. Symmank	More than biodiverse: measures of riverbank fixation
14:15	L. Carvalho	Does the European Water Framework Directive help deliver improved ecosystem service benefits from fresh waters?
14:30	S. Vilbaste	Methods for assessment of ecosystem services of inland waters - a case study from Estonia
14:45	E. Bennetsen	Modelling the effect of land management interventions on ecosystem services in Flanders using Bayesian Belief Networks
15:00	C. Bullock	A synthesis of the biophysical and social sciences to freshwater management
15:15	B. Grizzetti	Ecosystem services for water policy: five case studies across Europe

#### B4 Global changes in local ecosystem services in Alpine and Arctic regions in Europe

Room K.102 Thursday, 22 September, 11:00-12:30 and 14:00-15:30

Host(s) V. Hausner, M. Christie

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>11:00-12:30</b>	
11:00	S. Lavorel	Ecosystem services for climate change adaptation in mountain livestock socio-ecosystems
11:10	A. Tolvanen	Long-term data and spatial modelling in the assessment of ecosystem services in Boreal-Arctic Finland
11:20	H. Klug	Taking into account the effects of extreme events in ecosystem service assessments in the European Alps
11:30	E. Vladimir	Ecological service in the Russian European North: regulation of reindeer husbandry and the industrial development
11:40	V. Hausner	Identifying research gaps and needs in Arctic ecosystem services research by modelling of large textual data sets
11:50	S. Rebecca	Socio-ecological bundle analysis: A general methodology for cross-study comparisons of predictors of ecosystem service bundles
12:00	<ul style="list-style-type: none"> <li>• Questions to contributors.</li> <li>• What are the crucial knowledge gaps and what methods are appropriate for connecting people and nature?</li> </ul>	
<b>Slot 2:</b>	<b>14:00-15:30</b>	
14:00	S. Brunner	Exploring the resilience of a mountain social-ecological system to provide demanded ecosystem services under global change
14:10	I. Simona	Dynamics of high-altitude environments as a life-support system to wild herbivores: a storyline from the ECOPOTENTIAL project
14:20	K. Marina	Assessing community resilience and impacts on ecosystem service provision in future: a case study from the Alps
14:30	S. Engen	What factors are important in determining the distribution of ecosystem values in Norwegian Alpine areas?

14:40	B. M. Zoderer	Can we identify and map tourists' perceptions of cultural ecosystem services? Insights from an Alpine case study
14:50	•	Questions to the contributors
	•	Brainstorming ideas and discussing how we want to organise BWG6

### B5 Informing marine and coastal policy using ecosystem service assessments

Room K.103 Thursday, 22 September, 14:00–15:30 and 16:00–17:30

Host(s) E. Drakou, C. Liquele

Time	Name	Title of the presentation
<b>Slot 1: 14:00–15:30</b>		
14:00		<i>Introduction to the session</i> Large scale assessments
14:05	A. Lillebø	Assessment of marine ecosystem services indicators: experiences and lessons learned from 14 European case studies
14:15	J. Rodrigues	Global marine and coastal cultural ecosystem services: a systematic review
14:25	H. Hummel	The importance of ecosystem services required to qualify and install Marine Protected Areas – variable views of stakeholders and a comparison with other geographic domains.
14:35	G. El Serafy	Applying ecosystem services to optimize protected area management
14:45	L. Camino	The sustainability of ecosystem services provided by the Mediterranean Sea
14:55	R. Le Clercq	The integrated multitrophic aquaculture of Veta la Palma (Doñana Natural Park, SW Spain): a successful coupling of ecological and socio-economic values
15:05	B. Hasler	Nutrient uptake by mussel and algae cultivation as ecosystem services – utilization as measures in the implementation of the Water Framework Directive
15:15	R. Wenning	Ecosystem services and net environmental benefit analysis in North Sea offshore oil & gas decommissioning
15:25	A. Van Oudenhoven	Using ecosystem services to evaluate the success of a beach nourishment
<b>Slot 2: 16:00–17:30</b>		
16:00	L. Paltriguera	Coastal Marine Protected Areas: how can managers maximise benefits?
16:10	K. Boyanova	Assessment of ecosystem services to support sectoral policies at the Bulgarian Black Sea Coast
16:20	M. Ripken	Linking transnational marine spatial planning and ecosystem services – A North Sea region case study
16:30	K. Veidemane	Marine ecosystem services in development of the Maritime Spatial Plan of Latvia
16:40	E. Gissi	How to inform Maritime Spatial Planning from an ecosystem services approach? Challenges from the case of the Adriatic Ionian Region
16:50	A. Böhnke–Henrichs	Salt marsh conservation in the lagoon of Venice – stakeholder preferences and ecosystem service demand
17:00	J. Delangue	Protecting sandy coastal ecosystem in Aquitaine region to mitigate coastal erosion
<b>Discussion 17:10–17:30</b>		

## C-cluster (Capacity building/networking sessions)

### C1 Conceptual frameworks on ecosystem services for problem solving

Room D.014 Thursday, 22 September, 09:00–10:30 and 11:00–12:30

<b>Host(s)</b>	M. Potschin, K. Jax	
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>09:00–10:30</b>	
09:00	M. Potschin	Welcome and introduction
09:10	R. Haines-Young M. Potschin	The OpenNESS Conceptual Nexus: A step towards structured decision-making?
09:30	E. Kelemen et al.	How to make use of conceptual frameworks of ecosystem services in solving real life problems? Experiences from a Hungarian case study
09:50	R. Martin-Clouaire	Ontology-based modeling of ecosystem services in agroecosystems
10:10	J. Staes et al.	A conceptual framework to facilitate the implementation of the ecosystem services concept in environmental management and policy (ECOPLAN – Planning for Ecosystem Services)
<b>Slot 2:</b>	<b>11:00–12:30</b>	
11:00	S. Birk	Unravelling the relationships between ecological status and the delivery of ecosystem services in freshwaters
11:20	K. Jax U. Heink	Using human well-being concept as a problem-related entry point for applying the ecosystem service concept
11:40	J. van Dijk et al.	Incorporating ecosystem services together with the public goods approach in the consensus-based siting toolbox (ConSite)
12:00	M. Potschin	Discussion and closing remarks

### C2 Strengthening ecosystem service Communities of Practice

Room D.013 Tuesday, 20 September, 11:00–12:30

<b>Host(s)</b>	H. Keune, S. Moolenaar	
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
11:00	S. Moolenaar	Introducing the session topic
11:05	L. Scholten	Framework ‘Creating an enabling environment for CoP’s to thrive’
11:15	J. Dick M. Metzger A. McVittie	Building Communities of Practice – a case study in Scotland
11:30	S. Jacobs	The Belgian community of practice on ecosystem services: an overview 2012 – 2016
11:45	S. Moolenaar	Introducing the case study
11:50	G. Schwilch	Case study – Operationalizing ecosystem services for the mitigation of soil threats
12:00	S. Moolenaar	Discussing case study, framework and lessons learnt

### C3 The governance of ecosystem services: Methods to understand, inform development, and support successful implementation

Room K.203 Thursday, 22 September, 09:00–10:30 and 11:00–12:30

<b>Host(s)</b>	C. Sattler, C. Meyer	
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>09:00–10:30</b>	
09:00	C. Sattler	Welcome and short introduction to the session
09:15	C. Meyer	Qualitative Comparative Analysis of ecosystem services governance approaches: Implications from research on governmental payment programs in Germany and China
09:30	S. Domptail	Conflicts diagnosis for the identification of ecosystem service trade-offs and related social and governance aspects in the Okavango River basin
09:45	L. Sousa	Spatial patterns of ecosystem services to support strategic planning: Experiences from Ria de Aveiro case study

10:00	S. Tonin	Identifying governance strategies that effectively support marine ecosystem services
10:15	E. Gissi	Learning on ecosystem services co-production in decision making from role playing game simulations. Comparative analysis from South East Europe
<b>Slot 2:</b>	<b>11:00–12:30</b>	
11:00	S. Kok	A value case methodology for supporting co-investment in nature-based climate adaptation in a city centre area
11:15	R. Vadineanu	Measuring ecosystem services: guidelines and methods
11:30	G. van Hecken	Changing farmers' land uses through financial incentives? An agrarian systems approach to understanding development pathways at the Nicaraguan agricultural frontier
11:45	J. Rommel	Social preferences in a dynamic agro-ecosystem: An empirically grounded agent-based model
12:00	C. Sattler	Employing the Net-Map tool to analyze collaborative governance: two case studies from the Spreewald region, Germany
12:15	C. Meyer	Wrapping up + Session summary

#### C4 Connecting Young Ecosystem Service Specialists (YESS)

Room K.102 Wednesday, 21 September, 10.30–12.00

Host(s) J. Rodrigues, K. Winkler

Time	Name	Title of the presentation
10:30–10:34	Session hosts	Welcome
10:35–10:39	C. Campagne	Territorial evaluation of ecosystem services potential using Capacity matrices
10:40–10:44	B. Zoderer	Exploring socio-cultural values of ecosystem service categories within a spatially explicit framework
10:45–10:49	G. Lamond	Local knowledge of ecosystem trade-offs within coffee farms
10:50–10:54	C. Stancioff	Land use and landscape change, community wellbeing in small island contexts
10:55–10:59	L. Laporta (will not attend)	Integrating ecosystem services in project and policy appraisal: A land-use change approach
11:00–11:04	P. Lorenzo (will not attend)	Spatiotemporal trends of carbon sequestration potential of vegetation in European riverine ecosystems
11:05–11:09	R. Teixeira da Silva	Soil, ecosystem services and future scenarios: establishing a bridge between environmental sciences and spatial planning
11:10–11:14	A. Viinikka	Mapping the distribution of blue infrastructure in relation to socio-demographic groups in the Finnish Capital Region
11:15		Round table discussions
11:45	Session hosts	Reporting back & conclusion

#### C5 Networking and knowledge exchange to solve Mediterranean challenges

Room D.015 Tuesday, 20 September, 16:00–17:30

Host(s) M. Balzan, I. Geijzendorffer

Time	Name	Title of the presentation
16:00		Session introduction
16:30		Round-table discussion
17:25		Next Steps– Outputs of the session

#### C6 Reframing boot camp – How do you tell your story in a way that will have impact?

Room D.013 Wednesday, 21 September, 10:30–12:00

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<b>Host(s)</b>	I. van Oorschot, D. Zijderlaan
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### **C7 Implementing the ecosystem service concept on the ground: experiences with guidance, trainings and coaching**

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**Room D.328** Tuesday, 20 September, 11:00–12:30 and 14:00–15:30

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**Host(s)** H. Wittmer, J. Rode

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>11:00–12:30</b>	
11:00	H. Wittmer	Introduction to the session
11:05	M. Kosmus	Integrating an ecosystem service perspective in policy, planning and development practice – insights from the ValuES project.
11:25	A. Berghöfer	A review of ecosystem services assessments & valuations: how to increase their policy impact?
11:45	J. Rode	Acting on ecosystem service opportunities: Guidelines and coaching for identifying and planning economic instruments
12:05	M. Parr	A review of lessons learnt and capacity building needs for civil society organisations undertaking ecosystem services projects
12:25	Plenary	Discussion

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**Depending on participants' interests we can also offer this in parallel with a joint final discussion**

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**Slot 2:** 14:00–15:30

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14:00	A. Berghöfer	A review of ecosystem services assessments & valuations: how to increase their policy impact?
14:45	J. Rode	Acting on Ecosystem Service Opportunities: Guidelines for identifying and planning economic instruments to conserve ecosystems and enhance local livelihoods
15:15		Discussion

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### **C8 Guidance for users on ecosystem services**

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**Room D.226** Tuesday, 20 September, 16:00–17:30

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**Host(s)** D. Tuomasjukka, P. Harrison

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
16:00	D. Tuomasjukka, M. Metzger	Oppla: Understanding user needs and guiding users in Oppla – the new hub for ecosystem services, natural capital and nature-based solutions
16:15	P. Harrison, H. Saarikoski	Oppla: Guidance tools within Oppla – the Ecosystem Service Assessment Support Tool and decision trees for selecting suitable ecosystem service methods
16:30	D. Barton	A probabilistic approach to ecosystem service method guidance using Bayesian Belief Networks
16:35	A. Dangol	SDI-principles to support access to ecosystem service maps (ECOPLAN)
16:40	B. Czúcz	ScenQuant: A participatory tool to create ecosystem service predictions for narrative scenarios
16:45	P. Verweij	Case Study finder: learn from ecosystem service implementation experiences from others across the world
16:50		Brain storming and experience exchange on user guidance

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### **C9 Integrating ecosystem services in impact assessment for policy support**

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**Room D.226** Tuesday, 20 September, 14:00–15:30

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**Host(s)** D. Geneletti

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**Training session**

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## G-cluster (Generic/regional based session)

### G1 Operationalising the concept of ecosystem services on the ground: Exploring origins and types of knowledge needs, and tools and methods to integrate them

Room D.127 Thursday, 22 September, 09:00–10:30

Host(s) E. Carmen, C. Schleyer

Time	Name	Title of the presentation
<b>Slot 1: 09:00–10:30</b>		
09:00	C. Schleyer	Introduction to the session operationalising the concept of ecosystem services on the ground
09:10	L. Sing	Operationalising ecosystem services in forest management
09:20	E. Primmer	Institutional demand for valuation knowledge: What role for forests and forestry in biodiversity offsetting?
09:30	T. Krause	Farming with wading birds and tidal waters: The governance of adaptation to climate change in the Inner Forth estuary in Scotland
09:40	A. Boerema	Cost-effectiveness analysis of management measures in the estuary: Selecting the most ecological and cost-effective measures for integrated ecosystem management
09:50	H. Van Delden	Application of a soil-related ecosystem services framework to support European policies
10:00	V. Gezik	Effects of payment schemes on collective action
10:10	H. Wittmer	Reflections on presentations
10:15	J. Young	General Discussion

### G2 Tailoring strategies to protect nature and natural capital: how to integrate and build on recent results and insights

Room K.201 Thursday, 22 September, 09:00–10:30 and 11:00–12:30

Host(s) R. Bugter, R. Tinch

Time	Name	Title of the presentation
<b>Slot 1: 09:00–10:30</b>		
09:00	R. Bugter	Introduction to the session
09:15	P. Berry	The resilience of biodiversity offsetting under climate change
09:30	K. Winkler	Ecosystem services and vineyards: focus on single services hinders appreciation of multifunctional landscapes
09:45	C. Whitham	How much do conservation strategies capture natural capital and ecosystem services? Improving protected area assessment and planning
10:00	A. Schneiders	Green infrastructure to restore degraded ecosystems & their services: Implementing Target 2 of the EU biodiversity strategy in Flanders (Belgium)
10:15	R. Bugter	How to tailor biodiversity argumentation for effectiveness- lessons from the BESAFE project
<b>Slot 2: 11:00–12:30</b>		
11:00	E. Albrecht	Effective ecosystem services arguments for biodiversity conservation - A case study on Finnish peatland conservation
11:15	L. Knippenberg	Beyond economic and moral value: explaining and fostering committed action for nature
11:30	S. Neuteleers	Combining internal and external motivations in multi-actor governance arrangements for biodiversity and ecosystem services
11:45		Forum discussion

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### G3 Enhancing adaptive capacity of social–ecological systems by incorporation of ecosystem services

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**Room D.328** Thursday, 22 September, 14:00–15:30

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**Host(s)** Z. Sebesvari, I. Grammatikopoulou

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
14:00	Z. Sebesvari, I. Grammatikopoulou	Introduction to session
14:10	A. B Leverkus	Enhancing ecosystem services through post–disturbance management: Field results and meta–analysis
14:25	M. Mehring	Vulnerability of social–ecological systems – human migration as climate change adaptation in the West African Sahel?
14:40	E. Krkoska Lorencova	The role of ecosystem services in adaptive capacity mapping: the case of Czech Republic
14:55	K. Winkler	Interlinking ecosystem services and Ostrom’s framework through orientation in sustainability research
15:05	S. Woroniecki	Empowerment through ecosystem–based adaptation – a conceptual framework
15:20	Z. Sebesvari, I. Grammatikopoulou)	Discussion & Questions

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### G4 Reflections on the last decade of ecosystem service research: Rights, wrongs, and the way forward

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**Room K.201** Tuesday, 20 September, 11:00–12:30

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**Host(s)** M. Schröter, A. van Oudenhoven

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
11:00		Short intro to the session by the organisers
11:05	I. Palomo	Disentangling the pathways and effects of ecosystem service co–production
11:15	S. van der Meulen	Abiotic flows cannot be excluded from ecosystem services assessments
11:25	S. Jacobs	How indicator–based assessment will relieve our troubles: introduction and practical example
11:35	P. Elias	Ecosystem services assessments: deductive and inductive approaches
11:45	C. Windey (will not attend)	Beyond economization: exploring hybrid socio–economies in the context of ‘market–based’ conservation
11:55	M. Schröter	Refocusing ecosystem services towards sustainability
12:05		Group discussion

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### G5 Role of biodiversity in mediating land use intensity – ecosystem services relationships

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**Room K.101** Wednesday, 21 September, 10:30–12:00

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**Host(s)** M. Felipe–Lucia, P. Manning

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
10:30	P. Manning	Understanding biodiversity–ecosystem function linkages in real world ecosystem.
10:50	E. Allan	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition
11:05	M. Felipe–Lucia	Effects of forest management on ecosystem structure and multifunctionality in temperate European forests
11:20	N. Simons	Land–use intensity as a driver of insect communities and their functions
11:35	F. van der Plas	Trade–offs underline positive relationships between heterogeneity and landscape–scale ecosystem multifunctionality
11:50		General discussion and synthesis

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### G6 Ecosystem services trade-offs workshop: synthesis and implications for knowledge production and uptake

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Room D.014 Tuesday, 20 September, 16:00–17:30

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Host(s) A. van Teeffelen, A. Bayer

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Time	Name	Title of the presentation
16:00	A. Van Teeffelen	The plethora of ecosystem services trade-off research: trade-offs between what?
16:10	A. Vallet	Interactions between stakeholders and ecosystems: social networks, power, beneficiaries, and agents of change
16:15	C. Bullock	Environmental vs social trade-offs
16:20	A. Bayer	Methods for trade-off analysis: do's and don'ts
16:30	A. Thomas	Modelling trade-offs in ecosystem service provision at the national scale in Wales
16.35	S. Lavorel	Ecosystem services trade-offs by 2040 in the Grenoble urban region (French Alps)
16:40	M. Volk	Analyzing trade-offs between land use, ecosystem services and biodiversity – How far are we and what is used in practice?
16:45	S. Lautenbach	Trade-off findings – do patterns emerge or is the context all that matters?
16:55	A. Norström	PECS working group on social-ecological dynamics of ecosystem services
17:00	Discussion groups around the three topics	

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### G7 Embedding an Ecosystem Approach in the West of England

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Room K.101 Tuesday, 20 September, 11:00–12:30

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Host(s) L. Rogers, S. Dewhurst

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Time	Name	Title of the presentation
11:00		Presentation
11:20		Q&A session
11:20		Interactive workshop: Introduction to maps and ways in which they can be applied to decision making.

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## O-cluster (Other sessions)

### O1 Supporting better policy decisions on our environment based on the best available knowledge – lessons for the EKLIPSE approach

Room D.015 Thursday, 22 September, 09.00–10.30

Host(s) J. Young, C. Neßhöver

Time	Name	Title of the presentation
09:10	F. Bodescu M. Martini	MAES process for decision-makers in Romania
09:25	P. Puydarrieux	The French national assessment of ecosystems and ecosystem services (EFESE®): organisation and first results
09:35	M. Rechcinski	Co-producing new knowledge through maps
09:55	R. Smith	Applications of Bayesian Belief Networks within OpenNESS
10:10	D. Moseley	Decision-making for sustainable forest management: application of agent-based modelling to a forest landscape
10:25	S. Marzelli	Alpine ecosystem service concept – towards a common understanding

### O2 Valuation of ecosystem services: How to make sure all values are accounted for?

Room D.014 Tuesday, 20 September, 11:00–12:30 and 14:00–15:30

Host(s) I. Liekens

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>11:00–12:30</b>	
11:00	I. Liekens	Welcome and introduction to the session
11:05	P. Czembrowski	Integrating non-monetary and monetary valuation methods – softGIS and hedonic pricing
11:20	D. Vackar	Developing experimental ecosystem accounts: lessons from pilot studies
11:35	P. Aspholm	Taking multiuse concerns into account in modelling of ecosystem services.
11:50	R. Li	Governance arrangements for market-based instruments regarding coastal and marine ecosystem services: An analysis based on the Chinese case
12:05	K. Gocheva	Using a multi-evidence approach for natural capital accounting and a project scale cost-benefit analysis of non-tradable ecosystem services
12:20 12:30	Questions + Discussion on how to integrate different values and on what are the caveats and drivers to make sure different values are picked up by policy makers.	
<b>Slot 2:</b>	<b>14:00–15:30</b>	
14:00	K. Schmidt	Social valuation of ecosystem services to explain trade-off in land management in the Pentland Hills Regional Park in Scotland
14:12	V. Vlami	Evaluating and mapping cultural services in the Natura 2000 network of Greece
14:24	X. Li	Willingness-to-pay for recreation ecosystem services in urban areas: a case study in Wenjiang District of Chengdu City, China
14:36	V. Palma	Landscape economics in Tuscany: a model to assess the territorial cultural heritage
14:48	N. Pipart	Ecosystem services integrated valuation as a democratic tool to inform rural planning in practice?
15:00	K. Rusche	Integrated assessment and valuation for the case of post-extraction landscapes
15:12	Discussion on how to integrate values and on what are the caveats and drivers to make sure different values are picked up by policy makers.	

### O3 Ecosystem Services for Sustainable Development Goals from around the globe

<b>Room K.103 Wednesday, 20 September, 10:30–12:00</b>		
<b>Host(s)</b>	G. Cozzolino, S. Ahn	
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
10:30	G. Cozzolino	Introduction of the SDGs
10:35	S. Ahn	Development and application of integrated measurement system to assess freshwater ecosystem services in Korea: Values of ecosystem services from demand and supply perspectives
10:50	C. Mei	Human activities and environmental problems in the Po yang Lake Basin, China
11:05	G. Cozzolino	Guidelines for the application of the Economic Environmental Impact Assessment in Guinee-Bissau
11:20	M. Yuan	Potential contribution of biofuel crops to supply of ecosystem services from agriculture: A Taiwan scenario
11:35	I. Kim	Simulation of agricultural land-use changes and ecosystem services in a mountainous agricultural region using an agent-based model (ABM)
11:50	P. Poppenborg	Using Bayesian networks to model farmers' land use decision-making based on their attitudes toward ecosystem services
12:05	G. Cozzolino, S. Ahn	Debate and Conclusions

#### **O4 Mapping ecosystem services for spatial planning**

<b>Room D.013 Tuesday, 20 September, 16:00–17:30</b>		
<b>Host(s)</b>	F. Eigenbrod	
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
16:00	K. Ohno	Trying to map ecosystem services at Mie prefecture in Japan
16:12	I. Vogiatzakis	Modelling ecosystem services in Cyprus
16:24	A. van Noordt	Flemish spatial policy and ecosystem services: the case of the metropolitan core area
16:36	G. Zulian	Downscaling recreation, pollination and air quality regulation models of EU-ESTIMAP to local scale.
16:48	F. Eigenbrod	Identifying minimum adequate models for mapping ecosystem services in sub-Saharan Africa
17:00	I. Rebelo Salviano	Integrating connectivity, forest restoration and ecosystem services: a model to environmental planning
17:12	E. Damastuti	Integrating participatory resource mapping and Geographic Information Systems in mangrove ecosystem services assessment
17:24	L. Jones	Testing a conceptual framework for modelling cultural services across four ecosystem service projects
17:36–17:42 Questions & discussion		

#### **O5 Managing the co-production of ecosystem services supply**

<b>Room K.102 Thursday, 22 September, 16:00–17:30</b>		
<b>Host(s)</b>	I. Geijzendorffer	
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
16:00	Host	Welcome
16:05	S. Raum	The ecosystem approach and the ecosystem services concept: A genealogical analysis of competing policy narratives
16:15	A. Bruel	Integrating information on ecosystem services in decision making processes with life cycle assessment
16:25	M. Van Roie	Water level management practices in polder areas as a driving factor for ecosystem service delivery
16:35	C. Barbu	Assessing the ecosystem services of pests regulations to inform landscape scale policy planning

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<b>16:45</b>	M. Dunn	Evaluating ecosystem service delivery by community woodland groups
<b>16:55</b>	T. Krause	Seagrasses: a nuance or an asset? – Social perceptions and the governance of seagrass meadows in the Balearic Islands
<b>17:05</b>	K. Chan	How the recovery of an extirpated species is changing the social-ecological landscape on Canada's Pacific coast?

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### O6 Antwerp Declaration discussion event

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Room Aula Wednesday, 21 September, 12:30–16:30

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Host(s) A. de Vries Lentsch

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Time	Name	Title of the presentation
		Interactive workshop style session, taking place over lunch and into the afternoon. We will ply you with food and drink, and set your brilliant minds to work over some of the puzzles thrown up by the survey results and previous discussions. NOTE: This event runs parallel to the field excursions, and has limited spaces. If you would like to attend, please e-mail: <a href="mailto:aster.devrieslentsch@ed.ac.uk">aster.devrieslentsch@ed.ac.uk</a> .

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## P-cluster (Policy and/or business related sessions)

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### P1 Can't see the wood for the trees: Policy and business innovations for the sustainable provision of forest ecosystem services

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Room D.226 Thursday, 22 September, 14:00–15:30 and 16:00–17:30

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Host(s) C. Mann, L. Loft

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Time	Name	Title of the presentation
Slot 1:	14:00–15:30	
14:00	C. Mann L. Loft	Welcome and short introduction to the session
14:05	S. Brnkalakova	Carbon common pool resource regime a model of sustainable forestry?
14:25	E. Primmer	What role for forests and forestry in biodiversity offsetting?
14:45	T. Hujala	Towards institutional innovations through dialogue and experiments: co-constructing smart provision of forest biodiversity and recreational values
15:05	N. Janasik-Honkela	Rethinking agreement? Reflections on the implications of nudging experiments in an ongoing regime transformation within Finnish silviculture
15:25	J. Hiedanpää	Emerging forest ecosystem service entrepreneurship in Finland and Peru
Slot 2:	15:45–17:30	
15:45		Closed session with consortium members: Discussion on H2020 Proposal
17:30		End of session Continued with interested/available consortium members

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### P2 Who decides? Making policies on land management work on the farm

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Room D.328 Thursday, 22 September, 09:00–10:30 and 11:00–12:30

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Host(s) R. Creamer, R. Schulte

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Time	Name	Title of the presentation
Slot 1:	09:00–10:30	
09:00	J. Delsalle	Introduction by the Session Chair
09:10	L. Fleskens	Interactive coupling of soil quality assessment and agricultural management options for multi-level decision-making
09:25	P. Peltonen-Sainio	Challenge for Boreal farmers: To combine environmental, economic and social sustainability
09:40	A. Keller	Modelling soil functions and land management at regional scale to support decision making
09:55	G. Bondi	Multi-functional capacity of soils in relation to national soil landscapes
10:10	R. Schulte	People, policies, pedology: shared learning from Europe, Brazil and China.

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10:25	J. Delsalle	Q&A
<b>Slot 2:</b>	<b>11:00–12:30</b>	
11:00	Video: “Who decides on sustainable land management? A common goal, different pathways”	
11:10	Panel discussion	
12:00	Wrap up and conclusion	

### **P3 Using the ES Framework as a catalyst for restoration – opportunities and obstacles**

<b>Room D.015</b> Wednesday, 21 September, 10:30–12:00		
<b>Host(s)</b> J. Schulz, A. Boehnke–Henrichs		
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
10:30		Introduction
10:50		Break out groups
11:35		Synthesis

### **P4 Making Cultural ecosystem services count in policy and decision-making**

<b>Room K.202</b> Tuesday, 20 September, 11:00–12:30		
<b>Host(s)</b> L. Ingwall King, S. Ivory		
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
11:00	Hosts	Introduction
11:10	C. Bullock D. Joyce	Benefits and challenges to the incorporation of socio-cultural valuation within planning
11:15	S. Scholte	Cultural ecosystem services: how to deal with them in the planning and management of the natural environment?
11:20	L. Ingwall King	Assessing cultural ecosystem services for decision-making using TESSA
11:25		Panel Discussion and Q & A session
12:15		Identify action points from notes taken in session for integrating cultural ecosystem services into decision-making

### **P5 Behavioural economics: Implications for ecosystem service valuation, management and policy design**

<b>Room D.014</b> Wednesday, 21 September, 10:30–12:00		
<b>Host(s)</b> M. Koetse, M. Verbraak		
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
10:30	M. Koetse J. Bouma	Introduction and overview of behavioural economic research for environmental policy design and evaluation in the Netherlands
10:45	E. Nuppenau	Providing ecosystem services and biodiversity through common pool resource management as hybrid institution: on eco-net advances in cultural landscapes
11:00	A. Liski	For what it's worth. Deliberative framework for valuing nature-based solutions
11:15	D. Moseley	Behavioural economics for ecosystem service valuation and sustainability
11:30	K. Motafoglu T. Dirkmaat F. Dessart	Panel discussion

### **P6 The role of ecosystem services in national policies**

<b>Room K.203</b> Tuesday, 20 September, 11:00–12:30		
<b>Host(s)</b> A. Ruijs, P. van Gossum		
<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
	A. Ruijs	Experiences with the role of ecosystem services in Dutch policy making
	P. Van Gossum	The role of ecosystem services in Flemish policies



B. Schweppe-Kraft	Mainstreaming ecosystem services in Germany: Making nature conservation fit for policy integration is a way back to the roots
R. Bradburne	UK experiences in incorporating natural capital thinking into policy making
	Panel discussion

#### **P7 Implementing ecosystem services: examples from participative planning**

**Room D.226** Thursday, 22 September, 09:00–10:30 and 11:00–12:30

**Host(s)** C. Vos, P. Opdam

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>09:00–10:30</b>	
<b>09:00</b>	P. Opdam	Introduction to the Session, part I
<b>09:10</b>	P. Mederly	Detailed valuation of urban ecosystem functions and services – new challenges for urban planning and decision-making? (Case study Trnava, Slovakia)
<b>09:30</b>	B. Mattsson	ForAdapt: Supporting collaborative decision making for managing wildlife and ecosystem services in transboundary protected areas of Europe
<b>09:50</b>	C. Vos	Linking effective and reliable landscape services and green infrastructure in collaborative planning
<b>10:10</b>	Plenary discussion Part I	What makes scientific approaches effective in helping local actor groups to link green infrastructure with the desired level of ecosystem services?
<b>Slot 2:</b>	<b>11:00–12:30</b>	
<b>11:00</b>	P. Opdam	Introduction to the session, part II
<b>11:10</b>	S. Saarela	Knowledge brokering and boundary work for ecosystem services indicators; an urban case study in Finland
<b>11:30</b>	C. Albert	Boundary work for reinforcing ecosystem services in cooperative planning and governance: the Fuhrberg watershed
<b>11:50</b>	L. Karrasch	Participatory adaptive land use planning and assessment: A process to integrate ecosystem services into regional land-use management
<b>12:10</b>	Plenary discussion Part II	How do scientific approaches have impact on landscape governance for ecosystem services?

#### **P8 What ecosystem services-concept brings to circular economy framework through nature-based solutions?**

**Room K.103** Tuesday, 20 September, 11:00–12:30

**Host(s)** E. Furman, J. Seppälä

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
	E. Furman J. Seppälä	Introduction
	P. Leskinen	Where circular economy and nature-based solutions intersects: considerations from urban to forest contexts
	S. Jacobs	Nature-based solutions for Europe's sustainable development
	S. Broekx	Are municipalities rewarded for maintaining green infrastructure?
	S. Dembe	Climatic change adaptation amidst other environmental hazards
	E. Furman J. Seppälä	Discussion and Q & A

#### **P9 Integrating nature-based solutions in sustainable development: What is needed to achieve this?**

**Room D.127** Tuesday, 20 September, 11:00–12:30

**Host(s)** S. Boekhold, E. Brand

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>11:00</b>	S. Boekhold	Welcome and introduction
<b>11:05</b>	T. De Nijs	Integrating nature-based solutions in sustainable development

11:20	S. Boekhold	Instructions + table setting world café
11:25	Table hosts	World café – round 1
11:50	Table hosts	World café – round 2
12:10	Table hosts	World café – round 3
12:20	S. Boekhold	Plenary conclusions

### P10 Practical advantages and limitations of the natural capital and ecosystem service concepts and tools from stakeholders' perspective

Room D.226 Tuesday, 20 September, 11:00–12:30

Host(s) J. Dick, F. Turkelboom

Time	Name	Title of the presentation
11:00	J. Dick	Testing the ecosystem service concept in the context of land use planning in Glenlivet Estate Scotland.
11:05	M. Smith	Realising nature's value in business: motivations for embedding natural capital and ecosystems service concepts in business decision making
11:10	T. Dyblie	Challenges and opportunities in operationalising ecosystem services in Oslo
11:15	C. Talbot	Ecosystem services in the context of biodiversity offsetting: practitioner experiences from Warwickshire, UK
11:20	H. Luncu	Harmonizing the Romanian system for functional zoning of forests and ecosystem services concept in Bucegi Natural Park, Southern Carpathians
11:25	P. Ulenaers	Ecosystem services as a guiding framework to build up a vision for 'De Wijers' (Belgium)
11:30	J. Montgomery	Practical example in lake management in Scotland
11:35	All speakers & participants	Discussion groups: facilitating wide ranging information flow around practical advantages and limitations of the natural capital and ecosystem service concepts and tools

### P11 Natural Capital Accounting and Realistic Policy Utility

Room K.202 Thursday, 22 September, 14:00–15:30 and 16:00–17:30

Host(s) P. ten Brink, R. Tinch

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>14:00–15:30</b>	
14:00	P. ten Brink	What are natural accounts and who is supporting their development?
14:15	J.E. Petersen	An introduction to KIP-INCA – major EU initiative on Ecosystem accounts
14:30	J. Maes	The role of biophysical accounts and relationship with mapping
14:45	R. Tinch	The potential and pitfalls for using monetary values in accounts
15:00	C. Bullock	The potential for reflecting social issues in accounts
15:15	P. ten Brink J. Wejchert	The potential policy utility of natural capital accounting and development needs
<b>Slot 2:</b>	<b>16:00–17:00</b>	<b>Practical Experiences at Country and EU levels: Roundtable</b>
16:00	O. Darses	Country practices and ambitions roundtable: Practical realism on priority areas, biophysical and/or monetary
16:15	R. de Jong	accounts, practical issues that affect robustness/utility; ambitions for
16:45	J. Maes	2020
17:00	Open discussion & wrap up conclusion	
<b>Slot 3:</b>	<b>17:00–17:30</b>	<b>Facilitate open discussion and Q&amp;A</b>
17:00	What policy areas might benefit from the use of natural capital accounts? For what decisions are accounts fit for purpose, and where are the limits of utility? In which areas can accounts contribute by 2020 and what are the limits? What needs to be done by whom to ensure the instrument realizes its potential? How do we interpret the results?	
	P. ten Brink	Wrap up conclusions

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J. Wejchert  
J.E. Petersen

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**P12 Making ecosystem services relevant for public procurement decisions in the water sector**

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**Room D.328** Tuesday, 20 September, 16:00–17:30

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**Host(s)** C. Stahr, R. Chakrabarti

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
	L. Hessels	Conditions for successful uptake of innovations in the public sector
	I. Kim	Impacts of regulation policies on land use changes and ecosystem services in a highland agricultural region

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**P13 Innovative business models for ecosystems and natural capital**

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**Room K.103** Tuesday, 20 September, 14:00–15:30

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**Host(s)** F. van Lienen, M. Frielink

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>14:00</b>	F. van Lienen,	Presentation
<b>14:30</b>	M. Frielink	Interactive workshop

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**P14 Links between Natural Capital and Ecosystem Services**

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**Room D.013** Tuesday, 20 September, 14:00–15:30

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**Host(s)** M. Pérez-Soba, P. Harrison

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>14:00</b>	M. Pérez-Soba	Introduction and overview of the session
<b>14:05</b>	A. Smith P. Harrison	Evidence for how natural capital underpins the delivery of ecosystem services: A systemic review
<b>14:25</b>	R. Wenning	Including natural capital asset analysis in environmental planning and decision making
<b>14:32</b>	L. Sing	The links between natural capital and ecosystem services: applying the framework for ecosystem service provision to the forestry sector
<b>14:39</b>	G. Rusch	State-and-transition models: Operationalizing ecosystem condition and the capacity to generate ecosystem services
<b>14:46</b>	E. Stange	A review of the literature addressing vegetation's contribution to regulating air quality
<b>14:53</b>	I. Grammatikopoulou	Integrating biophysical data into agricultural production function to elicit the value of green water ecosystem service
<b>15:00</b>	Science- Policy Panel (Three policy experts reacting to questions)	

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**P15 Ecosystem services in international policy processes**

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**Room Auditorium** Wednesday, 21 September, 10:30–12:00

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**Host(s)** M. Rounsevell, E. Furman, M. Watson

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<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
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Panel discussion with:

- Hilde Eggermont (Belgian National Focal Point IPBES)
- Thomas Koetz (IPBES)
- Jana Durkošová (Slovak EU Presidency)
- Simona Stašová (Slovak Focal Point for CBD)
- Marina Von Weissenberg, (Vice-President IUCN)
- European Commission (tbc)
- UNEP-WCMC (tbc)

Moderated by M. Watson

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### **P16 Options to secure ecosystem services in the EU external footprint**

**Room D.014** Thursday, 22 September, 16:00–17:30

**Host(s)** H. Wittmer, M. van Oorschot

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
16:00	M. Van Oorschot	Vilm workshop summary and statements for discussion
16:10	L. Kuemper-Schlake	Policy response
16:15	T. Koellner	Science response
16:20	EU B@B platform	Business response
16:25	All participants	Fish-Bowl session
17:45	H. Wittmer	Round-up & summary

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### **P17 My Nature, Your Nature – Multiple perspectives on nature in the EU – interactive session**

**Room D.015** Tuesday, 20 September, 14:00–15:30

**Host(s)** H. Farjon, H. van Zeijts

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
		Interactive session

## S-cluster (Sessions related to projects/processes)

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### **S1 Using the DESSIN ecosystem services evaluation framework to assess changes in ecosystem services resulting from the implementation of innovative water technologies**

**Room D.013** Thursday, 22 September, 16:00–17:30

**Host(s)** G. Anzaldúa, G. Van Den Berg

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
16:00	G. Anzaldúa	The DESSIN ecosystem services ecosystem valuation framework: an overview
16:10	N. Gerner	Enhancing ecosystem services via implementation of water management technologies
16:20	G. Van den Berg	Combining aquifer storage and recovery with reverse osmosis (ASRO Westland) to provide a reliable ecosystem service
16:30	N. Gerner, G. Van den Berg	Parallel sessions on the application of the DESSIN ecosystem services evaluation framework to assess the changes in ecosystem services resulting from the application of innovative solutions in the Emscher River (DE) and the Westland Area (NL).

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### **S2 The ecosystem services of the global protected areas estate: an analysis using Co\$ting Nature**

**Room D.127** Tuesday, 20 September, 14:00–15:30 and 16:00–17:30

**Host(s)** M. Mulligan, M. Goncalves de Lima

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
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14:00	M. Mulligan	The ecosystem services of the global protected areas estate: an analysis using Co\$ting Nature
14:20		Q&A
14:30		Practical training session on the use of Co\$ting Nature
<b>Slot 2:</b>	<b>16:00–17:30</b>	Practical training session on the use of Co\$ting Nature

### S3 Setting priorities for ecosystem restoration in the EU based on Mapping and Assessment of Ecosystems and their Services (MAES)

Room K.202 Tuesday, 20 September, 14:00–15:30 and 16:00–17:30

Host(s) J. Maes, A. Teller

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>14:00–15:30</b>	
14:00		Introduction to the session (MAES and restoration) by the session organisers
14:10	K. Zaunberger	Galvanising Restoration
14:20	D. Abdul Malak	SWOS as a support tool to science–policy interface: case of wetland ecosystems within MAES
14:40	D. Barton	Bigger, more diverse and better? Mapping structural diversity and its recreational value in urban green spaces
14:50	K. Gocheva	Scaling CBA – extending the cost–benefit analysis approach to inform national scale natural capital accounting
15:00	S. Kay	Developing methods for the evaluation of ecosystem services provided by agroforestry at the landscape scale
15:10	N. Mahmoud	Indicating the ecosystem services demand side for the identification of supply–demand patterns at EU scale
15:20	U. Kirchholtes	The benefit based design approach improves both the plan and process
<b>Slot 2:</b>	<b>16:00–17:30</b>	
16:00	S. Vallecillo	Prioritisation framework for investment in Green Infrastructure and ecosystem restoration
16:10	M. Thoonen	A triple strategy for the conservation of biodiversity and ecosystem services: Implementing Target 2 of the EU biodiversity strategy in Flanders (Belgium)
16:20	R. Van Diggelen	Assessing the impacts of ecosystem restoration in the EU
16:30		Discussion

### S4 Ecosystem service trade-offs and synergies: patterns across case-studies

Room K.101 Thursday, 22 September, 14:00–15:30 and 16:00–17:30

Host(s) A. Norström, M. Felipe–Lucia

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>14:00–15:30</b>	
14:00	A. Norström	Unbundling ecosystem service bundles
14:10	C. Quintas–Soriano	Integrating the biophysical and social perspective in ecosystem service bundles
14:20	A. Norström	Implementing ecosystem services in governance – a case study from the Helgeå catchment in Southern Sweden
14:30	S. Jacobs	Comparing ecosystem service bundles and multifunctionality across diverse socio–ecological systems
14:40	M. Felipe Lucia	Telecoupling mediates ecosystem services bundles through social interrelationships
14:50	J. Förster	Ecosystem service trade-offs of REDD+ projects
15:00		Joint moderated discussion and questions from audience

<b>Slot 2:</b>	<b>16:00–17:30</b>	
<b>16:00</b>	H. Lee	A quantitative review of relationships between ecosystem services
<b>16:10</b>	S. Lautenbach	Trade-offs between carbon storage, crop yield production and water supply at the global scale
<b>16:20</b>	F. Turkelboom	When you cannot have it all: Ecosystem services trade-offs in local planning contexts
<b>16:30</b>	A. García-Nieto	Regional specific farming systems and ecosystem services trade-offs: a Tunisian case study
<b>16:40</b>	F. Baró	Ecosystem service bundles along the urban–rural gradient: Implications for landscape planning and management
<b>16:50</b>	U. Tappeiner	Long-term landscape analyses reveal distinct types of ecosystem service interactions in the European Alps
<b>17:00</b>	Joint moderated discussion and questions from audience	

### S5 Operationalizing the concept of ecosystem services

**Room Auditorium** Thursday, 22 September, 14:00–15:30 and 16:00–17:30

**Host(s)** E. Furman, M. Rounsevell

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>14:00–15:30</b>	
<b>14:00</b>	A. Vaissière	Investigating the inclusion of ecosystem services in biodiversity offsetting
<b>14:15</b>	M. Schröter	Review of National Ecosystem Assessments in Europe
<b>14:30</b>	J. Priess	Lookout on Europe's ecosystem services and natural capital: new EU-level scenarios until 2050
<b>14:45</b>	J. Staes	Environmental Impact Assessment, ecosystem services valuation, hydropower, cost–benefit analysis

**15:00 Discussion**

<b>Slot 2:</b>	<b>16:00–17:30</b>	
<b>16:00</b>	H. Schoonover	Creating space, aligning motivations, and building trust: key elements of stakeholder engagement in 12 ecosystem services case studies
<b>16:15</b>	L. Kopperoinen	Operationalizing ecosystem services for urban planning: a case study of Sibbesborg urban development project in Finland
<b>16:30</b>	S. Roy	Ecosystem based participatory biodiversity management: approaches to institution building and mainstreaming the methods for sustainable ecosystem services and wellbeing
<b>16:45</b>	H. Saarikoski	Social and political challenges in putting the concept of ecosystem services in practice
<b>17:00 Discussion</b>		

### S6 Social sciences and humanities in IPBES

**Room K.101** Tuesday, 20 September, 14:00–15:30

**Host(s)** M. Akhtar–Schuster, J. Kloos

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>14:00</b>	Hosts	Introduction
<b>14:05</b>	M. Steneske	IPBES is in great need! A perspective from inside
<b>14:20</b>	K. Reuter	Ethical questions in IPBES – the role of expertise from the humanities in the IPBES assessments
<b>14:35</b>	A. Vadrot	Causes of and solutions to the Inter-governmental Platform on Biodiversity and Ecosystem Services disciplinary imbalance
<b>14:50</b>	J. Jetzkowitz	Impulse Statement
<b>15:00</b>	Discussion with Panellists	

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### S7 Governance of stakeholder interaction: Experiences of TEEB country studies

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Room D.127 Thursday, 22 September, 11:00–12:30

Host(s) H. Wittmer, B. Hansjürgens

Time	Name	Title of the presentation
11:00	H. Wittmer	Introduction
11:05	B. Hansjürgens	Mainstreaming the value of nature beyond the environmental sector: approach and experience with stakeholder involvement in TEEB Germany
11:15	L. Hard Af Segerstad	Making the value of ecosystem services visible –a case from Sweden
11:25	R. Singh	Governance of stakeholder involvement in TEEB process: Experience of TEEB India initiative
11:35	S. Wangchuk	TEEB–Bhutan: Objectives and experiences
11:45	Plenary	Round–table discussion

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### S8 Operationalizing the notion of ecosystem integrity for ecosystem services assessment

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Room K.201 Thursday, 22 September, 14:00–15:30 and 16:00–17:30

Host(s) P. Roche, F. Muller

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>14:00–15:30</b>	
14:00	P. Roche	Eco* integrity: What are we talking about?
14:20	F. Müller	Linking attributes of ecosystem conditions and ecosystem services
14:40	L. Mononen	The definitions of ecosystem condition, sustainability and integrity – what can be said on them based on the current biodiversity and ecosystem service indicators?
15:00	J. Dick	Users' perspectives of ecosystem service concept and tools in OpenNESS case studies
15:20		Questions
<b>Slot 2:</b>	<b>16:00–17:30</b>	
16:00	P. Czembrowski	Integrating non–monetary and monetary valuation methods – softGIS and hedonic pricing
16:20	D. Abdul Malak	Towards an integrated ecosystem assessment: how does the condition of ecosystems in Europe relate to their capacity to provide pollination services?
16:40	S. Nybo	State of biodiversity – the Nature Index as a measure of ecosystem integrity

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17:00 Round Table and Discussions

### S9 Integrated assessment and valuation of ecosystem services in specific policy contexts

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Room K.103 Thursday, 22 September, 09:00–10:30 and 11:00–12:30

Host(s) D. N. Barton, E. Kelemen

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>09:00–10:30</b>	
09:00	J. H. Spangenberg	Values and valuation. Multiple value systems illustrate complementarity of valuation approaches, not hierarchy
09:20	M. Termansen	Integrated mapping, assessment and valuation of ecosystem services: A Danish catchment scale case study
09:40	P. Bezák	Integrated assessment of ecosystem services in the Slovak policy context: relevance and the outlook
10:00	J. Langemeyer	Ecosystem services provided by traditional vineyards in the surroundings of the Doñana National Park, Spain
10:20		Questions
<b>Slot 2:</b>	<b>11:00–12:30</b>	
11:00	A. Liski	Mixed bag of values or fully painted picture? Integrated ecosystem valuation to aid stakeholder conflict resolution in the Inner Forth, Scotland

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11:20	D. N. Barton	Integrated assessment and valuation of ecosystem services for decision-support (synthesis of four invited papers)
11:40	Discussion	

### S10 LIFE programme supporting societal benefits by restoring and improving ecosystem services- best practices

Room D.015 Tuesday, 20 September, 11:00-12:30

Host(s) J. Pedro Silva, B. Jepsen

Time	Name	Title of the presentation
11:00	J. Pedro Silva	Introduction, LIFE and ecosystem services
11:05	O. Wahlroos	Urban oases: shaping a sustainable future through environmentally functional landscape features
11:10	E. Bojars	Alternative use of biomass for maintenance of grassland biodiversity and ecosystem services
11:15	A. Tolvanen	Quantification and valuation of ecosystem services to optimize sustainable re-use for low-productive drained peatlands
11:20	P. Long	NaturEtrade: creating a marketplace for ecosystem services
11:25	D. Dimopoulos	Sustainable management and financing of wetland biodiversity - The case of Lake Stymfalia
11:30	I. Vogiatzakis	To promote and enable the long-term conservation of High Nature Value Farmlands in Cyprus Improving the conservation status of the priority habitat types *1520 and *5220 at the Rizoelia National Forest Park
11:40	P. Ulenaers K. Van Tichelen	Innovative design & development of multifunctional green & blue infrastructure in Flanders grey peri-urban landscapes
11:45	I. Honavko	Assessment of ecosystems and their services for nature biodiversity conservation and management
11:50	M. Soledad Vivas Navarro	Andalusian blue carbon for climate change mitigation: quantification and valorization mechanisms
11:55	P. Louhi	Towards integrated management of freshwater Natura 2000 sites and habitats
12:00	C. Giaimo	Soil Administration Models 4 Community Profit
12:05	A. Ruskule	Integrated planning tool to ensure viability of grasslands
12:10	M. Buckler	MoorLIFE: Protecting active blanket bog in the South Pennine Moors SAC
12:15	H. Frumau	More water, more raised bogs in the Groote Peel
12:20	F. Ungaro	S.O.S. 4 LIFE-Save Our Soil for LIFE
12:25	B. Jepsen	Conclusions, discussion and plans for LIFE projects Platform meeting

## T-cluster (Thematic sessions)

### T1 Science into policy and practice: implementation of pollination research findings

Room D.328 Thursday, 22 September, 16:00-17:30

Host(s) A. Kovács-Hostyánszki, S. G. Potts

Time	Name	Title of the presentation
16:00	A. Kovács-Hostyánszki	Welcome and introduction
16:05	S. G. Potts	IPBES- Thematic assessment of pollinators, pollination and food production
16:20	P. Neumann	Ecosystem services, eusociality and neonicotinoids
16:35	D. Kleijn	Evaluation of potentials of agri-environmental schemes and ecological intensification through European wide projects



16:50	J. Settele	Implementation of pollination research findings in a larger research context – the LEGATO example from South–East Asia
17:05	A. Báldi	Discussion

### T2 Global ecosystem service flows

Room D.014 Thursday, 22 September, 14:00–15:30

Host(s) T. Koellner, P. Verburg

Time	Name	Title of the presentation
14:00	K. Horgan	Whose natural capital, whose services, who benefits?
14:12	C. Veerkamp	Futures for ecosystem services in Europe and its consequences outside Europe
14:24	M. Bruckner	The biomass footprint of food, feed, fuel and fibre – New detailed insights into the global flows of biomass commodities and their final utilization
14:36	D. Fridman	An interregional approach to food system sustainability – linking biophysical inputs and ecosystem services across regions
14:48	M. van Oorschot	Effects of certifying tropical resource production on public and private benefits of ecosystem services
15:00	A. Boerema	Soybean trade: balancing environmental and socio–economic impacts of an intercontinental market
15:12	S. Arnhold	Potential leakage effects of European Union agri–environmental policies on global ecosystem services
15:24	B. Othoniel	Identifying the global impacts of land use on ecosystem services in the life cycle of a product

### T3 Solving practical bottlenecks in ecosystem service mapping

Room Auditorium Thursday, 22 September, 09:00–10:30 and 11:00–12:30

Host(s) L. Willemen, N. Crossman

Time	Name	Title of the presentation
<b>Slot 1:</b>	<b>09:00–10:30</b>	
09:00	Session Hosts	Introduction
09:10	B. Burkhard	The ecosystem service matrix reloaded as ArcGIS extension
09:20	S. Kulczyk	Multi–source data fusion for mapping of tourism as ecosystem service
09:30	D. Landuyt	Converting site–specific evidence into regional ecosystem service maps with Bayesian Belief Networks
09:40	Q&A for Tips & Fixes	
09:50	A. Ruskule	Grassland ecosystem service mapping at local and regional level: experience of the LIFE Viva Grass project
10:00	D. Vrebus	Data–integrity in an integrated ecosystem service mapping plug in
10:10	L. Mononen	Developing a multi–tiered flexible ecosystem service mapping and assessment methodology in the EU
10:20	Q&A for Tips & Fixes	
<b>Slot 2:</b>	<b>11:00–12:30</b>	
11:00	S. Le Clec'h	Evaluating uncertainty associated to an ecosystem services map
11:10	K. Gocheva	Ecosystems scales difference, mapping ecosystem flows and bridging data gaps – three key challenges to mapping and assessment of ecosystems and ecosystem services in Bulgaria
11:20	J. Franke	How can new satellite technologies support the mapping of wetland ecosystems and the assessment of their services?
11:40	C. Marsboom	Using dimension reduction PCA to create multi–service hotspots.
11:50	K. Kamlun	Incorporate robust thematic analysis in ‘matrix model’ assessment for mapping ecosystem services potential supply
12:00	K. Boyanova	Implementation of ecosystem service mapping and assessment tools in Bulgaria – challenges and obstacles

12:10	Q&A for Tips & Fixes
12:20	Tough bottlenecks: discussion

#### **T4 The economics of crop wild relatives (CWR) – refining valuation techniques and bringing the wild relatives of crops into the ecosystem services framework**

**Room K.102** Thursday, 22 September, 09:00–10:30

**Host(s)** N. Tyack, T. Vaessen

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>09:00</b>	Session Hosts	<b>Introduction</b>
<b>09:05</b>	N. Tyack T. Vaessen	Crop wild relative conservation strategies
<b>09:25</b>	N. Tyack T. Vaessen	The valuation of crop wild relatives
<b>09:45</b>	N. Tyack T. Vaessen	Integrating crop wild relatives into the ecosystem services framework
<b>10:05</b>	Session Hosts	Discussion and brainstorming

#### **T5 Health as integrating concept in ecosystem services and nature-based solutions**

**Room K.201** Tuesday, 20 September, 14:00–15:30 and 16:00–17:30

**Host(s)** H. Keune, C. Kretsch

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>14:00–15:30</b>	
	H. Keune	Ecosystem services and human health – awareness and attitudes; outcomes of a global survey
	H. Kruize	Health effects of green infrastructure: some new insights from recent European and Dutch research projects
	D. Gonzalez	Perceived benefits of recreational visitors to coastal and marine environment: valuing ecosystem services for human well-being
	R. De Vreese	#DokterBos #DoctorWood – a SocialMedia campaign to raise awareness on the impact of nature, forest and green on public health and well-being (Flanders, Belgium)
	S. de Vries	Contact with nature and human health: evaluating accessibility metrics
	M. Garcia-Llorente	Farming for health: a practical experience to reconnect human wellbeing with nature through horticultural activities
	K. Kilpi	The Belgian Community of Practice on biodiversity & health expert inventory first results
	S. Reis	Application of the ecosystem-enriched DPSEEA conceptual model for the operationalisation of ecological public health
	T. Taylor	Conceptualising ecosystem services and health linkages: Towards a model for ecological public health policy evaluation

#### **T6 Ecosystem services & Landscape planning**

**Room D.015** Thursday, 22 September, 11:00–12:30; 14:00–15:30 and 16:00–17:30

**Host(s)** A. Arcidiacono, S. Salata

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>11:00–12:30</b>	
<b>11:00</b>	A. Arcidiacono	Introduction of session/opening
<b>11:05</b>	M. Sylla	What is the difference in demand for ecosystem services at urban and suburban areas with comparison to provision? The case study from Central Europe
<b>11:20</b>	L. Graham	Meta-population modelling of long-term urban habitat-loss scenarios
<b>11:35</b>	B. Avcioglu Cokcaliskan	Ecosystem services as a supporting tool in protected area planning and managerial decisions

11:50	M. Quarta	Ecosystem approach to the territorial and landscape planning
12:05	K. Sharps	How useful are ecosystem service models for planning purposes? Comparing strengths and weaknesses of three ecosystem service models in a diverse UK catchment.
12:20	M. Zhiyanski	Toward better UNDERstanding of Ecosystem Services in URBan environments through assessment and mapping (TUNESinURB)
<b>Slot 2:</b>	<b>14:00–15:30</b>	
14:00	A. Arcidiacono	Introduction of session/opening
14:05	R. Attardi	A collaborative spatial decision support system for the evaluation of land–use change through a landscape services–based approach.
14:20	K. Rusche	Integrated assessment and valuation for the case of post–extraction landscapes
14:35	K. Van der Biest	Developing an ecosystem services based vision for the Belgian coastal zone
14:50	J. Langemeyer	Mapping aesthetic value for land use planning using crowdsourced indicators– the case study of the Barcelona Province
14:05	D. Masante	Using high resolution artificial landscapes to assess the importance of landscape configuration for ecosystem service provision
15:20	A. Ferrara	Rural landscapes indicators within the BES Project (equitable and sustainable well–being in Italy)
<b>Slot 3:</b>	<b>16:00–17:30</b>	
16:00	K. Mustajärvi	Integrating spatial valuation of ecosystem services into regional planning and development
16:12	F. Lerouge	Valuing ecosystem services for exploring resilient land use alternatives
16:24	C. Giaimo	Green infrastructures between urban and landscape planning: new approaches from ecosystem services. Experiences from case studies of the EU Project Life SAM4CP.
16:36	A. Kukkala	Spatial conservation prioritization and ecosystem services: connectivity requirements and operational alternatives
16:48	M. Rutgers	Five soil functions on the European map for farmers, policymakers and citizens (LANDMARK)
17:00	M. Grimaldi	Soil sealing accountancy in a key metropolitan area: experiments in Naples using the Soil Monitor Web Application
17:12	S. Salata S. Ronchi	Conclusion

### **T7 Ecosystem services for poverty alleviation**

**Room K.202** Thursday, 22 September, 09:00am–10:30am and 11:00–12:30

**Host(s)** P. Zorrilla–Miras, F. Vollmer

<b>Time</b>	<b>Name</b>	<b>Title of the presentation</b>
<b>Slot 1:</b>	<b>09:00–10:30</b>	
09:00	P. van Gardingen	From Ecosystem Services for Poverty Alleviation (ESPA) to delivering nature–based solutions to deliver the Sustainable Development Goals (SDGs).
09:15	J. Lee	Farmer participation in a climate–smart future: a case study of the Kenya Agricultural Carbon Project
09:30	P. Wanasuk	The impact of Mulberry sericin soap production on ecosystem services and community well–being in Thailand.
09:45	B. Schulte–Herbrüggen	The choice of poverty framework matters when assessing the contribution of ecosystem services to poverty alleviation
10:00	E. Boyd	Chronic poverty and ecosystem services
10:15	C. Howe	Ecosystem services and poverty alleviation: exploring the debate between different epistemic communities
<b>Slot 2:</b>	<b>11:00–12:30</b>	

11:00	C. Torres Vitolas	Local perceptions of nature contributions to food security in the agricultural–forest frontier: An actor–network approach
11:15	F. Vollmer P. Zorrilla–Miras	Ecosystem services for poverty alleviation: a forest–based case in Mozambique
11:30	K. Nicholas	An equity argument for nature–based solutions to implement the Sustainable Development Goals
11:45	Working group with the objective to derive a briefing note and ideas for potential future publications	

#### T8 Ecosystem service indicators: what you measure is what you get?

Room K.101 Thursday, 22 September, 09:00–10:30 and 11:00–12:30

Host(s) A. van Oudenhoven, M. Schröter

Time	Name	Title of the presentation
<b>Slot 1: 09:00–10:30</b>		
09:00	Introduction to session	
09:05	A. Lillebø	Making relationships between aquatic biodiversity and ecosystem services operational
09:17	H. Klug	A push based indicator delivery to stakeholders for informed decision making
09:29	C. Kermagoret	To perform a national ecosystem services assessment: availability and relevance of indicators to characterize and assess the capacity of marine and coastal ecosystem to supply services and the social demand for these services. A French application.
09:41	L. Mononen	National ecosystem service indicators and the proceedings to MAES work in Finland
09:53	C. Albert	Developing national ecosystem services indicators with policy relevance: experiences from Germany
10:05	R. Syrbe	Implementation of ecosystem service indicators in Germany
10:17	A. Church	Indicators of cultural ecosystem services: the experience of ecosystem assessment in the United Kingdom
<b>Slot 2: 11:00–12:30</b>		
11:00	A. Rebelo	Are ecosystem services adequately quantified?
11:12	B. Czúcz	Connecting ecosystem services indicators to CICES classes: a network analysis
11:24	H. Kim	Biodiversity, ecosystem services and human well–being: a selection of indicators for IPBES assessments
11:36	I. Geijzendorffer	Use and availability of ecosystem services variables in Sustainable Development Goals
11:48	M. Pacheco–Romero	Essential social–ecological functions to refine the conceptual framework of ecosystem services
12:00	S. Rova	Indicating ecosystem services in complex social–ecological systems: an example from the Venice lagoon
12:15	Wrap–up and discussion on outputs	

#### T10 How useful is an ecosystem services approach in participatory decision making? Lessons learnt

Room D.127 Thursday, 22 September, 14:00–15:30 and 16:00–17:30

Host(s) A. Gimona, K. Irvine

Time	Name	Title of the presentation
<b>Slot 1: 14:00–15:30</b>		
14:05	A. Gimona	Session introduction
14:10	E. Crouzat	Ecosystem services as an operational tool for integrating environmental resources in land planning processes – feedbacks from the ICARE research–action project in the French Alps

<b>14:15</b>	A. Gimona	The use of ecosystem services models and interactive tools to elicit stakeholders' views and inform land use policy in Scotland
<b>14:20</b>	Questions	
<b>14:25</b>	A. Olszanska	Which ecosystem services are perceived as crucial for local well-being and where are they generated – insight from mapping workshops with conservation professionals and local leaders.
<b>14:30</b>	K. Irvine	Developing shared understanding for decision-making through participatory mapping, modeling and deliberation: A marine ecosystem services case study
<b>14:35</b>	M. Meyer	How can we benefit from the ecosystem service concept in forestry?
<b>14:40</b>	Questions	
<b>14:45</b>	T. Kluvánková	Green Infrastructure: Collective action for the well-being of European cities?
<b>14:50</b>	R. De Vreese	Images of nature & social landscape indicators – lessons learnt for participatory ecosystem services and planning from the Belgian VOTES project
<b>14:55</b>	L. Bond	Strathard: a landscape to live, work and play' – community engagement in environmental decision making
<b>15:00</b>	Questions	
<b>15:05</b>	J. Dick	Testing the ecosystem service cascade framework and QUICKScan software tool in the context of land use planning in Glenlivet Estate Scotland
<b>15:10</b>	B. Howard	Tool Assessor: Selecting the right tools for bringing natural capital and ecosystem services into decision making
<b>15:15</b>	S. Jacobs	Road-testing ecosystem services in three real world situations
<b>15:20</b>	Discussions	
<b>Slot 2:</b>	<b>16:00–17:30</b>	
<b>Discussion in break-out groups &amp; reporting</b>		