



## Detailed session programs

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 on the conference app.

The session programs are arranged per day:

### Tuesday 11 October 2022

#### Morning

**11:00-12:30**

#### **B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems**

11:00 - 12:30 Tuesday, 11 October

**Hosts:** E. Drakou, D. La Rosa, V. Maccarrone, A. Ruiz-Frau, K. Veidemane, A. Ruskule, A. Reke, S. Jernberg

	Time	Name	Title of the Presentation
<b>B1-1</b>	<b>11:00</b>	E. Drakou	Introduction to the session
<b>B1-2</b>	<b>11:05</b>	J. Schluenss	Only know you love her when you let her go? Assessing multiple values in the context of ecosystem service loss in coastal and marine areas
<b>B1-3</b>	<b>11:20</b>	A. Armoskaite	Ecosystem services for multi-objective maritime spatial planning
<b>B1-4</b>	<b>11:35</b>	D. La Rosa	Ecosystem Services Trade-offs in Coastal Areas (with an urban perspective)
<b>B1-5</b>	<b>11:50</b>	G. Boussarie	Marine spatial planning to solve increasing conflicts at sea in a changing world: a framework and a Shiny app for prioritizing offshore windfarms and marine protected areas
<b>B1-6</b>	<b>12:05</b>	J. Schumacher	Assessment of ecosystem services across the land–sea Interface: approach and applications along the German coast
<b>B1-7</b>	<b>12:20</b>	F. Barbosa	Integrative and data-driven assessment of ecosystem services under alternative human-use scenarios to inform decision-making in the Baltic Sea

#### **S8c - Revealing the contribution of protected areas to human well-being through the lens of the ecosystem services concept**

11:00 - 12:30 Tuesday, 11 October



**Hosts:** M. Šmid Hribar, I. Rac, S. le Clech, A. Japelj

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>S8c-1</b>	<b>11:00</b>		Introduction
<b>S8-c-2</b>	<b>11:05</b>	C. Malesios	Protected Areas and their impact on human wellbeing: do geographical boundaries matter?
<b>S8-c-3</b>	<b>11:15</b>	J. Kachler	Can we have it all? The role of protected grasslands in offering provisioning and regulating ecosystem services.
<b>S8-c-4</b>	<b>11:25</b>	A. Japelj	Identification, Assessment and Mapping of Ecosystem Services in the Logar Valley Landscape Protected Area
<b>S8-c-5</b>	<b>11:35</b>	M. Sylla	Participatory mapping of ecosystem services provided by protected areas: uncovering the differences in the hierarchy of importance of ES to stakeholders
<b>S8-c-6</b>	<b>11:45</b>	J. Daněk	Socio-cultural valuation of ecosystem services in large-scale protected areas in the Czech Republic
<b>S8-c-7</b>	<b>11:55</b>	P. Pallavi	A qualitative study on the loss of coastal ecosystem services and its impacts on the livelihood and well-being of fisher's community: A case study on Mangroves of Mahim, Mumbai, India
<b>S8-c-8</b>	<b>12:05</b>	N. Rota	Evaluation of Carbon Stock in alpine protected areas: a comparison of different methods
<b>S8-c-9</b>	<b>12:15</b>		Discussion

**T17b-T17c Moving forward in ecosystem services accounting: From the monetary valuation barrier to the mainstreaming into policy making/ Biophysical models for ecosystem accounting**

11:00 - 12:30 Tuesday, 11 October

**Hosts:** A. La Notte, L. Grammatikopoulou, B. Burkhard, S. Oinonen

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T17b-1</b>	<b>11:00</b>	S. Lange	Challenges in Ecosystem Accounting: Solutions and lessons learned from EU member states
<b>T17b-2</b>	<b>11:15</b>	M. Sylla	Spatial implications of ecosystem accounting at the local scale in support of governance
<b>T17b-3</b>	<b>11:30</b>	A. Addamo	Marine accounting in the Mediterranean Sea
<b>T17b-4</b>	<b>11:45</b>	S. Oinonen	Piloting policy relevant ecosystem accounting of the Finnish freshwater ecosystems



<b>T17b-5</b>	12:00	A. Varukha	Assessing the damage and monetizing the losses done to ecosystem services due to the Russian war in Ukraine: the need for methodology development
<b>T17b-6</b>	12:15	A. La Notte	Ecosystem Services accounts as source of data for Sustainable Development policies. From descriptive statistics to composite indicators to input variable for economic modelling

### **S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management**

11:00 - 12:30 Tuesday, 11 October

**Hosts:** H. Freitas, I. Måren, J. Alves, A. Barraclough

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>S8d-1</b>	11:00	H. Freitas	UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management: the 12 Portuguese BR as case study
<b>S8d-2</b>	11:30	K. Malmberg	How on Earth? Exploring the uses of the ecosystem service concept together with a UNESCO biosphere reserve
<b>S8d-3</b>	11:40	L. Solé Figueras	Multiple driver analysis and tourism impacts in Biosphere Reserve areas
<b>S8d-4</b>	11:50	M. Moreira	Biosphere Reserves: Sustainable territories, Resilient communities – A conceptual model for assessing and mapping ecosystems and their services
<b>S8d-5</b>	12:00	L. Frazão	Ecosystem services and stakeholders' perception: Which services are a priority in Biosphere Reserves in Portugal and what are their main threats?
<b>S8d-6</b>	12:10	S. Ghoraba	The application of the IUCN Red List of Ecosystems (RLE) to assess the conservation status of ecosystems (case study: Burullus protected area)
<b>S8d-7</b>	12:20	I. Måren	Discussion – first part
<b>S8d-8</b>	13:30	M. Metzger	Developing a shared vision for sustainable regional land use in the Southern Ayrshire and Galloway Biosphere in Scotland.
<b>S8d-9</b>	13:40	J. Cusens	Integration matters: Combining socio-cultural and biophysical methods for mapping social-ecological systems in a Nordic Biosphere Reserve



<b>S8d-10</b>	13:50	J. José	The role of Social Cultural Ecosystem Services: A case study of Scuba Divers in a UNESCO Berlangas Biosphere Natural Reserve
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### **T14a - Integrative digital systems for planning and managing ecosystem services: State of the art and future prospects**

11:00 - 12:30 Tuesday, 11 October

**Hosts:** S. Schmidt, B. Adem Esmail, J. Wang, U. Mörtberg, J. Hack, C. Albert

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T14A-1</b>	11:00	S. Schmidt	Introduction of session
<b>T14A-2</b>	11:13	S. Christofilakos	Spatially-explicit Uncertainty of Remote Sensing Coastal Biodiversity Products using a scalable cloud-based framework in the Google Earth Engine.
<b>T14A-3</b>	11:26	I. Kong	Unstructured text analysis to understand landscape: current practice and future prospects
<b>T14A-4</b>	11:39	J. Wang	A heuristic typology of digital geoparticipation to mainstream ecosystem services management in spatial planning
<b>T14A-5</b>	11:52	C. Chen	Digital decision support systems for planning and managing with ecosystem services in agricultural landscape: use cases of nature conservation measures
<b>T14A-6</b>	12:05	M. Riffat	Urban biodiversity and ecosystem dashboards to inform planning and governance: a review of best practices
<b>T14A-7</b>	12:18	E. Zanetti	PNBSAE: Integrating Ecosystem Services into Products and Services Supply Chains

### **S1b - Motivating contract design for the provision of ecosystem services and biodiversity in agriculture**

11:00 - 12:30 Tuesday, 11 October

**Hosts:** B. Matzdorf, M. Termansen, K. Prager, E. Kelemen

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>S1b-1</b>	11:00	B. Matzdorf	Introduction into the session
<b>S1b-2</b>	11:12	E. Kelemen	Assessing innovative agri-environmental contracts from the policy perspective. Lessons from a Delphi study





<b>S1b-3</b>	11:25	P. Castro	The willingness to change towards more ecosystem services'-friendly farming practices: what is missing?
<b>S1b-4</b>	11:38	M. Mehring	Visions for biodiversity – Acceptance of transformative biodiversity measures by agriculture and forestry: a case study from Germany
<b>S1b-5</b>	11:51	M. Zindler	How different practitioners would like to improve agri-environmental schemes: Suggestions from farmers and stakeholders involved in nature management
<b>S1b-6</b>	12:04	L. Madureira	Ecosystems services supply by agriculture: using choice experiments to estimate trade-offs between monetary and non-monetary incentives
<b>S1b-7</b>	12:17	E. Tyllianakis	A window into land managers' preferences for new forms of agri-environmental schemes: evidence from a post-Brexit analysis

### **T20a - Disentangling equity in ecosystem services**

11:00 - 12:30 Tuesday, 11 October

**Hosts:** F. Benra, J. Langemeyer B. Maria Zoderer

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T20a-1</b>	11:00		Introductionn
<b>T20a-2</b>	11:10	M. Montero-Hidalgo	Environmental Justice and Ecosystem Services: where we come from, where we are, and where we are going
<b>T20a-3</b>	11:25	G. Benati	Environmental injustices in the city of Rome: Assessing the accessibility to cultural ecosystem services based on geotagged social media data
<b>T20a-4</b>	11:40	C. Aznares	Assessing luxury and legacy effects on urban patterns of tree canopy, biodiversity and ecosystem services
<b>T20a-5</b>	11:55	F. Benra	Methods to assess distributional inequality from the supply perspective
<b>T20a-6</b>	12:10	A. Suarez	Addressing the ecosystem services inequality produced by large-scale avocado growing in northern Caldas, Colombia
<b>T20a-7</b>	11:55		



## Tuesday 11 October 2022

### Afternoon

**13:30-15:30**

#### **B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems**

13:30 - 15:30 Tuesday, 11 October

**Hosts:** E. Drakou, D. La Rosa, V. Maccarrone, A. Ruiz-Frau, K.Veidemane, A.Ruskule, A. Reke, S.Jernberg

	Time	Name	Title of the Presentation
<b>B1-8</b>	13:30	A. Reke	Sociocultural valuation of coastal cultural ecosystem services and their linkages to human well-being: case of Latvia and Estonia
<b>B1-9</b>	13:45	T. Lai	Measure multiple cultural service values and their linkage to ecosystem condition: an application of PGIS survey for ecosystem accounting
<b>B1-10</b>	14:00	E. Robbe	A scenario-based assessment and comparison of macrophyte ecosystems and their services in Southern Baltic lagoons
<b>B1-11</b>	14:15	S. Strake	The supply and value of nutrient regulation performed by habitats in the Latvian marine waters
<b>B1-12</b>	14:30	J. Cunha	Assessment of key areas of Regulation and Maintenance Ecosystem Services supply along a coastal – sea gradient.
<b>B1-13</b>	14:45	M. Montero Hidalgo	What are the current state and future perspectives of blue carbon and seagrass meadows in the Canary Islands?
<b>B1-14</b>	15:00	S. Campagne	Evidence on the impact of changes in marine and coastal ecosystems structure and functioning on the ecosystem services delivery
<b>B1-15</b>	15:15	N. Nagabhatla	Can Seaweed Aquaculture Industry fit the Nature Based (& Ecosystems Based) Solutions Discourse? Insights from GlobalSeaweedSTAR (2017-2021) Initiative

#### **T14c - Barriers and success factors for the application of ecosystem services in decision-making**

13:30 - 15:30 Tuesday, 11 October

**Hosts:** M. Paulin, N. Schoffelen, C. Veerkamp, B. de Knecht, A. Marques, A. La Notte



	Time	Name	Title of the Presentation
T14C-1	13:30		Introduction
T14C-2	13.35	J. Daněk	Multistakeholder perspectives on barriers and potential success factors for implementation of the ecosystem services framework in the Czech Republic
T14C-3	13.45	A. Paula	Co-design solutions for rural areas' development based on agriculture and forestry Ecosystem Services framework
T14C-4	13.55	T. Lai	Co-creating Urban Ecosystem Accounting: a case study of Tampere, Finland
T14C-5	14.05	M. Haensel	Do grassland policies reflect grassland ecosystem services? Tracking 20 years of legal changes for the European Union, Germany, and the State of Bavaria.
T14C-6	14.15	S. Murgese	A scientifically-based cultural model of ecosystem services management for the definition of natural risk reduction and climate change adaptation policies.
T14C-7	14.25	A. Peršēvica	Assessment of ecosystem services in Latvia
T14C-8	14.35	M. Spyra	Governance and planning for reducing ecosystem services trade-offs in peri-urban landscapes
T14C-9	14.45	P. Posy	Achieving Coherence: Advancing ES considerations in understanding long term consequences of Freshwater restoration success
T14C-10	14.55	M. Paulin	Social cost-benefit analysis: Application of pressure drainage in the Alblasserwaard-Vijfheerenlanden, the Netherlands
T14C-11	15.05	A. La Notte	Ecosystem Services based approaches in Natural Capital Accounting - The experience of scaling down complexity without overlooking the key elements
T14C-12			Discussion

[T17b-T17c Moving forward in ecosystem services accounting: From the monetary valuation barrier to the mainstreaming into policy making/ Biophysical models for ecosystem accounting](#)

13:30 - 15:30 Tuesday, 11 October



**Hosts:** A. La Notte, L. Grammatikopoulou, B. Burkhard, S. Oinonen

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T17b-7</b>	13:30	D. Pisani	Applying Value Transfers in Ecosystem Accounting
<b>T17b-8</b>	13:45	L. Saikkonen	Finland's gone fishing for value: Application and review of methods to monetarily value recreational fishing for ecosystem accounting
<b>T17b-9</b>	14:00	G. Mallinis	Development of a transnational approach and integrated tools for mapping and economic valuation of forest ecosystem services in the Balkan Mediterranean region
<b>T17b-10</b>	14:15	M. Sylla	Application of production function method to disentangle ecosystem contribution in agricultural production
<b>T17b-11</b>	14:30	A. Klinnert	Modelling ecosystem services in agro-economic models: the case of natural pest control
<b>T17b-12</b>	14:45	I. Grammatikopoulou	Moving forward in ecosystem services accounting: wrap-up of key messages
<b>T17C-1</b>	15:00	B. Smets	Biophysical modelling for European ecosystem accounting at Tier-2 or Tier-3
<b>T17C-2</b>	15:15-15:30	S. Nedkov	Modelling of flood regulation for ecosystem accounting

#### **S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management**

13:30 - 15:30 Tuesday, 11 October

**Hosts:** H. Freitas, I. Måren, J. Alves, A. Barraclough

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>S8D-11</b>	13:30	M. Metzger	Developing a shared vision for sustainable regional land use in the Southern Ayrshire and Galloway Biosphere in Scotland.
<b>S8D-12</b>	13:40	J. Cusens	Integration matters: Combining socio-cultural and biophysical methods for mapping social-ecological systems in a Nordic Biosphere Reserve
<b>S8D-13</b>	13:50	J. José	The role of Social Cultural Ecosystem Services: A case study of Scuba Divers in a UNESCO Berlengas Biosphere Natural Reserve
<b>S8D-14</b>	14:10	J. Alves	Discussion – second part





<b>S8D-15</b>	14:20	I. Måren & J. Alves	World Café
<b>S8D-16</b>	15:20	H. Freitas	Final conclusions

### **T13a -Linking ecosystem services and Nature-based Solutions for more resilient societies & nature**

13:30 - 15:30 Tuesday, 11 October

**Hosts:** E. Cohen-Shacham, E. Cabecinha

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T13a-1</b>	13:30	E. Cohen-Shacham	Nature-based Solutions – from definition to implementation
<b>T13a-2</b>	13:45	E. Cabecinha	Linking Nature-based Solutions and Ecosystem Services to tackle societal challenges
<b>T13a-3</b>	14:00	A. Chelli	Including the spatial and temporal dimension in the economic assessment of urban Nature-based Solutions: Preliminary insights from the literature
<b>T13a-4</b>	14:15	L. Almeida	Nature-based solutions: A tool against the socio-environmental problems of Mexico City
<b>T13a-5</b>	14:30	S. Benzekri	Implementing Nature-based Solutions: socio-economic and business arguments for decision-makers
<b>T13a-6</b>	14:45	T. Maria	<i>Posidonia oceanica</i> banquettes as ecosystem service providers and Nature Based Solution
<b>T13a-7</b>	15:00	F. Horneman	Nature-based solutions performance indicators to evaluate ecosystem service provisioning for climate change adaptation: A systematic literature review
<b>T13a-8</b>	15:15		Discussion

### **S8a - The role of Ecosystem Services as a tool for successful multilevel governance of protected areas**

13:30 - 15:30 Tuesday, 11 October

**Hosts:** I. Mitsopoulos, M. Papadopoulou, K. Triantis

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>S8a-1</b>	13:30	I.Mitsopoulos	Session intro, goals, and objectives
<b>S8a-2</b>	13:35	I. Mitsopoulos	Management and policy implications in Natura 2000 protected areas in Greece: the role of the LIFE IP 4 NATURA integrated project



<b>S8a-3</b>	13:45	G. Laghetto	The Environmental and Resource Costs (ERC) of the water sector as a key-driver to enhance the governance of protected areas: a pilot experience from the Brenta river (Italy)
<b>S8a-4</b>	13:55	S. Ronchi	Limited consideration of climate change impacts on Ecosystem Services and biodiversity in planning in the highly vulnerable areas of the Italian Apennines
<b>S8a-5</b>	14:05	K. Srilakshmi	Ecological Governance of Ecosystem Services as a trajectory to conservation planning in Bannerghatta National Park and associated challenges
<b>S8a-6</b>	14:15	R. Amatus	Integrating Ecosystem Valuation in Designing Sustainable Financing Mechanism for Mount Arayat Protected Landscape In Pampanga, Philippines
<b>S8a-7</b>	14:25	L. Frazão	People's perception on ecosystem services and its role as a tool for sustainable management of Portuguese Biosphere Reserves: a participatory approach
<b>S8a-8</b>	14:35	C. Horam	Understanding the role of local governance in ecosystem services provided by the Community Conserved Areas (CCAs) of an indigenous community- A case of Tangkhul Naga tribe in Manipur, North east India.
<b>S8a-9</b>	14:45	N. Nyathi	Estimation of Habitat Quality using Sentinel-2 imagery in a semi-arid savannah ecosystem
<b>S8a-10</b>	14:55	M. Christie	Comparison of the merits of the TEEB and IPBES Values Assessment approaches to valuing nature: Empirical evidence from assessments of the value of freshwater ecosystems in Ireland.
<b>S8a-11</b>	15:05	T. Bergamo	Plant community shifts in Baltic coastal wetlands as a consequence of climate change
<b>S8a-12</b>	15:15	I. Mitsopoulos	Discussion & Take-Home-Messages

### **[S5- Beyond water: Understanding the role and co-benefits of NBS used for water management](#)**

13:30 - 15:30 Tuesday, 11 October



**Hosts:** J. Hack, J. Pueyo-Ros, K. Burkhard, J. Castellar, B. Adem Esmail, A. Popartan, N. Nagabhatla, J. Comas, D. Vollmer, P. Guerrero

	Time	Name	Title of the Presentation
<b>S5-1</b>	13:30		Welcome and introduction
<b>Modelling and quantification</b>			
<b>S5-2</b>	13:40	K. Burkhard	Modelling of climate change adaptation and ecosystem services and their risks in the Wadden Sea, Germany
<b>S5-3</b>	13:52	X. Garcia	Evaluating the socioeconomic impact of basin scale nature-based solutions based on eco-hydrological modelling
<b>S5-4</b>	14:04	M. Fonteina	Developing methodology for assessing the impact of the nature-based solution on the aquatic ecosystem
<b>S5-5</b>	14:16	A. Gosal	Accuracy of modelled changes in freshwater provision over time
	14:28		<b>Wrap-up of the first block</b>
<b>Social dimensions</b>			
<b>S5-6</b>	14:35	A. Boerema	Mainstreaming coastal nature-based solutions
<b>S5-7</b>	14:47	K. Vierikko	Who wants to see water in cities? Public perception and acceptance of different nature-based solutions
<b>S5-8</b>	14:59	M. Pérez	Embracing a combination of bottom-up and top-down participatory approach to map the spatial distribution of potential Nature-Based Solutions in Costa Rica
<b>S5-9</b>	15:11	F. Turkelboom	Beyond NBS co-benefits: uncertainties and application domain
	15:23		<b>Wrap-up of the second block and session</b>

**S1a - Navigating Natural Capital and Inclusive Wealth for gaining sustainability and wellbeing for the farming community (businesses, supply chain and consumers)**

13:30 - 15:30 Tuesday, 11 October

**Hosts:** S. Martino, B. Rugani, P. Ovando Pol, A. Simmon, G. Begg

	Time	Name	Title of the Presentation
<b>S1a-1</b>	13:30	S. Martino	Introduction to the session
<b>S1a-2</b>	13:34	G. Begg	Introduction to the H2020 Framework project: aims, innovation and impacts



<b>S1a-3</b>	13:43	A. Simmons	Navigating communication around Natural Capital to support sustainability and wellbeing benefits in Farmer Clusters – considerations for the agricultural transition- Part 1 – setting the scene on communication in the Framework project
<b>S1a-4</b>	13:51	N. McHugh	Farmer Clusters: A FRAMEwork for increasing natural capital in agricultural landscapes
<b>S1a-5</b>	14:00	A. Holm	Restoring the connectivity of seminatural grasslands on Muhu island, Estonia. Example of LIFE project “LIFE connecting meadows”.
<b>S1a-6</b>	14:08	S. Doe	Rights to burn global savannas and UN SDGs: longing for <b>S1a</b> -ecosystem services, wellbeing and sustainability
<b>S1a-7</b>	14:17	M. Rivington	Climate Change impacts on Natural Capital Value
<b>S1a-8</b>	14:26	P. Albert	Bamberg’s historically rooted urban horticulture – applying traditional knowledge to the future
<b>S1a-9</b>	14:35	G. Hager	The potential of citizen science for Natural Capital and Ecosystem Services assessment in agri-environmental systems
<b>S1a-10</b>	14:43	M. Nijnik	Incorporating participatory assessment methods into natural capital valuation
<b>S1a-11</b>	14:52	S. Martino	Integrating Natural Capital in socio-ecological farm systems for gaining sustainability and wellbeing in EU farmer clusters
<b>S1a-12</b>	15:00	A. Simmons	Navigating communication around Natural Capital to support sustainability and wellbeing benefits in Farmer Clusters – considerations for the agricultural transition- Part 2 – communication challenges & moderation of a discussion recorded for an episode of the podcast ‘Prophets, Wizards & the Quest to Value Nature’.

## Tuesday 11 October 2022

### Afternoon

**16:00-17:30**

**B1- Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems**





16:00 - 17:30 Tuesday, 11 October

**Hosts:** E. Drakou, D. La Rosa, V. Maccarrone, A. Ruiz-Frau, K. Veidemane, A. Ruskule, A. Reke, S. Jernberg

	Time	Name	Title of the Presentation
<b>B1-16</b>	16:00	C. Chalkiadakis	Mapping social-ecological system flows of a small-scale fishery across scales
<b>B1-17</b>	16:15	M. Villoslada	An integrated monitoring scheme for coastal wetlands: Combining field ecology and remote sensing
<b>B1-18</b>	16:30	C. Lee	Spatially Explicit Seagrass Extent Mapping Across the Entire Mediterranean
<b>B1-19</b>	16:45	D. Traganos	National Seagrass Blue Carbon Accounting in Bahamas using Earth Observation
<b>B1-20</b>	17:00	J. Kazys	Effects of existing and future marine energy systems on provision ecosystem services in the South-Eastern Baltic Sea
<b>B1-21</b>	17:15	V. Maccarrone	Artificial light at night and vessel traffic: spread, measurements, assessments. Are mitigation policies needed?

#### **T14c - Barriers and success factors for the application of ecosystem services in decision-making**

16:00 - 17:30 Tuesday, 11 October

**Hosts:** M. Paulin, N. Schoffelen, C. Veerkamp, B. de Knecht, A. Marques, A. La Notte

	Time	Name	Title of the Presentation
<b>T14c-13</b>	16:00	M. Paulin N. Schoffelen A. La Notte A. Marques C. Veerkamp B. De Knecht	Workshop

#### **T16a - Ecosystem service valuation to identify investment opportunities, risks, and stakeholders: Experiences from case studies**

16:00 - 17:30 Tuesday, 11 October

**Hosts:** V. van 't Hoff, M. Siebers, W. Broer, C. van Leenders, R. Nozeman, P. Roebeling

	Time	Name	Title of the Presentation
<b>T16a-1</b>	16:00	V. Van 't Hoff	Introduction: Relevance of monetary valuation, this first pilot report and the application of science for financial decision-making.



<b>T16a-2</b>	16:05	V. Van 't Hoff	Approach and main outcomes of the report.
<b>T16a-3</b>	16:15	V. Yatsukhno	Ecosystem service assessments for Belarusian Peatlands.
<b>T16a-4</b>	16:20	R. Nozeman	Relevance of this pilot report for financial institutions, possible ways of integration in decision-making and follow-up steps.
<b>T16a-5</b>	16:35	S. Tonin	Willingness to pay as support from the public?
<b>T16a-6</b>	16:40	W. Broer	Placement of ESVD data in the larger context and coherence with other tools, initiatives such as PBAF
<b>T16a-7</b>	16:55	Z. Izakovicova	Conflicts in the use of ecosystem services, which ES influences which ES
<b>T16a-8</b>	17:00	C. Van Leenders	From ecosystem perspective to stakeholder inclusion:solutions for the future
<b>T16a-9</b>	17:15	E. Taye	Valuing the ecosystem services of an urban Ramsar site in Ghana: Prospects for decision-making.
<b>T16a-10</b>	17:20	P. Roebeling	Value transfer as a new future development

### **T5b - Emerging research on current trends and future scenarios of the nature-water-food-health-climate nexus in the context of the IPBES Nexus Assessment**

16:00 - 17:30 Tuesday, 11 October

**Hosts:** Z. Harmackova, M. Rounsevell, O. Selomane, P. Harrison, R. Seppelt, E. Molua, P. Prist

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T5b-1</b>	16:10	B. Sambo	A literature-based review on methodologies and models for the Water- Energy- Food- Ecosystem Services (WEFE) nexus assessment in the context of climate change.
<b>T5b-2</b>	16:20	D. Sietz	Tailored pathways to inspire agroecological action and policy
<b>T5b-3</b>	16:30	P. Kumar	Nexus approach to evaluate the interlinkages between water, food, health, economy and climate change: A case study from Sundarban delta, Bangladesh
<b>T5b-4</b>	16:40	G. Bitton	Water-Energy-Food-Ecosystem (WEFE) Nexus Analysis of River Rehabilitation under Different Development Scenarios: Israel as a case study



<b>T5b-5</b>	16:50	A. Turetta	Agriculture beyond food production: The Food-Water-Energy Security Nexus in Atlantic forest biome – southeast of Brazil
<b>T5b-6</b>	17:00	A. Sperotto	Putting nature in the Nexus: an ecosystems services-based approach for Water-Energy-Food interactions assessment
<b>T5b-7</b>	17:10	E. Barrios	Harnessing the multiple dimensions of agroforestry contributions to agroecological transitions using nexus analysis and visual narratives
<b>T5b-8</b>	17:20		Discussion & wrap-up

### **T13a - Linking ecosystem services and Nature-based Solutions for more resilient societies & nature**

16:00 - 17:30 Tuesday, 11 October

**Hosts:** E. Cohen-Shacham, E. Cabecinha

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T13a-9</b>	16:00	G. Karwani	Assessment of ecosystem based adaptation strategies on degraded habitats to improve communities livelihood and biodiversity resilience in lake-Natron ecosystem, Tanzania
<b>T13a-10</b>	16:15	D. Roitsch	Understanding public perceptions of forests and greenspaces in Europe
<b>T13a-11</b>	16:30	B. Adem Esmail	Applying Geodesign to support local planning towards sustainable urban transformation with nature-based solutions (NBS) in the Skarpnäck district, Stockholm, Sweden
<b>T13a-12</b>	16:45	M. Pinto	NbS to tackle societal challenges in Green Cities: The Case Study of Vale do Cavalum, Portugal
<b>T13a-13</b>	17:00	W. Nissim	Integrating ecosystem services into phytoremediation: new insights for a more sustainable management of urban brownfields
<b>T13a-14</b>	17:15		Reflection

### **S1b - Motivating contract design for the provision of ecosystem services and biodiversity in agriculture**

16:00 - 17:30 Tuesday, 11 October

**Hosts:** B. Matzdorf, M. Termansen, K. Prager, E. Kelemen



	Time	Name	Title of the Presentation
<b>S1b-8</b>	16:00	B. Matzdorf	Is there a potential to support agri-environmental measures by a governmental label? – Consumer preferences in six European countries
<b>S1b-9</b>	16:13	W. Zawadzki	Farmers' preferences for practice- vs. result-based agri-environmental-climate measures
<b>S1b-10</b>	16:26	K. Prager	Flexibility and Accessibility: Hybrid designs for results-based contracts in Ireland, England and Flanders
<b>S1b-11</b>	16:39	L. Dries	Measuring private transaction costs in payments for environmental services: an application to collective agri-environmental schemes in the Netherlands
<b>S1b-12</b>	16:52	M. Schneider	Exploring farmers' motives for collective action: A Q study on collaboration in Dutch agri-environment schemes
<b>S1b-13</b>	17:05	M. Termansen	Agri-environmental scheme design: Insights from integrated environmental-economic modelling
<b>S1b-14</b>	17:18	Hosts	Final Discussion

### **T20a - Disentangling equity in ecosystem services**

16:00 - 17:30 Tuesday, 11 October

**Hosts:** F. Benra, J. Langemeyer B. Maria Zoderer

	Time	Name	Title of the Presentation
T20a-1	16:05	P. Herreros Cantis	Applying a source-to-impact flood risk assessment to identify priority areas for green infrastructure interventions in a sewershed in Syracuse, NY
T20a-2	16:20	E. Garau	Understanding behaviours and (a)symmetries in power relation and ecosystem services flows among multiple stakeholders in a North-Western Mediterranean River Basin
T20a-3	16:35	A. Bernal-Escobar	Who is benefiting downstream? Experimental evidence on the relevance of upstream-downstream geographic distance for water provision
T20a-4	16:50		Discussion Forum





## Wednesday 12 October 2022

### Morning

11:00-13:00

#### B10 - Designing Resilient Cities through Ecosystem Service Mapping

11:00 - 13:00 Wednesday, 12 October

Hosts: S. Salata, S. Ronchi, S. Lai, S. Özkavaf-Şenalp

	Time	Name	Title of the Presentation
B10-1	11.10	S. Le Clec'h	Maintaining urban ecosystem services provided by green infrastructure at times of climate change via spatial design
B10-2	11.20	F. Falasca	Urban ecosystem services and sustainable development: An indispensable planning dualism
B10-3	11.30	C. Cortinovis	A novel remote-sensing algorithm to analyze vegetation dynamics in support of urban greening initiatives
B10-4	11.40	R. Kraemer	Air Temperature Regulation of Urban Green Spaces Under Conditions of Drought and Summer Heat
B10-5	11.50	F. de la Barrera	Urban ecosystem services in myriad of green spaces covering a long latitudinal gradient
B10-6	12.00	V. Amini Parsa	Urban trees and hydrological ecosystem service: the relationship between landscape structure and runoff reduction
B10-7	12.10	V. Pechanec	The assessment of the resilience of selected urban ecosystem services
B10-8	12.20	F. Ungaro	From SOS4LIFE project to the general urban plan of the Municipality of Forlì (NE Italy): an application of studies on soil ecosystem services.
B10-9	12.30	S. Kulczyk	Cultural ecosystem services potential in the planning and management of urban areas. Case study of Poznań, Poland.
B10-10	12.40	O. Nenko	Participatory Mapping of Cultural Ecosystem Services of Kaliningrad Urban Green Spaces
B10-11	12.50	S. Salata Lai	Wrap up



### **T4b - The power of ecosystem services maps for transformative change**

11:00 - 13:00 Wednesday, 12 October

**Hosts:** B. Burkhard, L. Willemen, E. Drakou, M. Villoslada, S. le Clech

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T4b-1</b>	11:00	B. Burkhard	Session introduction
<b>T4b-2</b>	11:00	R. Catarino	A pan-European indicator of natural pest control services potential in agricultural landscapes
<b>T4b-3</b>	11:12 (virtual)	C. Caro Vera	Mapping ecosystem services at user-relevant scales to streamline the decision-making process. A use case from the Peruvian Andes
<b>T4b-4</b>	11:24	P. Funes	Ecosystem services assessment for their possible integration in the analysis of landslide risk
<b>T4b-5</b>	11:36	M. Giacomelli	Mapping bundles of Ecosystem Services supply and demand reveals interdependencies between inland areas and urban poles
<b>T4b-6</b>	11:48	M. Lippe	Community land use maps as a tool to support ecosystem service management in uncertain situations: the case of forest communities in the Philippines
	12:00		Discussion

### **T1 - Guidelines, tools and standards for integrated ecosystem services assessments**

11:00 - 13:00 Wednesday, 12 October

**Hosts:** D. de Groot, B. Rugani, S. Moolenaar, L. Inostroza, F. Rodríguez , V. Colino, L. Brander, S. Quatrini

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>Guidelines and Frameworks</b>			
<b>T1-1</b>	11:00	R. De Groot	Introduction to the session
<b>T1-2</b>	11:10	E. Drakou	The ESP task Force on ES Guidelines and Standards
<b>T1-3</b>	11:15	R. De Groot	Guidelines for Integrated Ecosystem Services Assessment
<b>T1-4</b>	11:30	K. Macova	Ecosystem assessment guidelines - towards a more appropriate mainstreaming into national practice
<b>T1-5</b>	11:45	E. Drakou	Setting up an ecosystem services ontology – showcase, testing and ways forward



			<b>Tools and standards</b>
<b>T1-6</b>	12:00	B. Rugani	A Standards Application Protocol to establish environmental footprint neutrality based on combined LCA-ES assessment procedures
<b>T1-7</b>	12:15	J. Babi Almenar	SEEA-EA ecosystem accounts as an opportunity for standardization of ecosystem services assessment and its intertwining with life cycle assessment
<b>T1-8</b>	12:30	F. Joly	Integrating ecosystem services in the life cycle assessments of meats of different species
<b>T1-9</b>	12:45	P. Castro	Is spatial analysis the missing link between Life Cycle Analysis and Ecosystem Services? A systematic literature review
<b>T1-10</b>	12:50	V. Colino	Valuing Nature APP for ES economic valuation

### **T17a - Ecosystem condition accounting: overcoming operational challenges**

11:00 - 13:00 Wednesday, 12 October

**Hosts:** F. Marando, M. Paracchini, C. Cortinovis, A. Addamo, B. Czucz, D. Geneletti, M. Kiss, B. Burkhard

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T17a-1</b>	11:30	Hosts and Co-Hosts	Short Introduction to the Session
<b>T17a-2</b>	11:33	B. Czucz et al.	The development of ecosystem condition indicators as a knowledge co-production process
<b>T17a-3</b>	11:45	M. Bellinghen et al.	Ecosystem Condition Accounting in Germany – Implementation and Operational Challenges
<b>T17a-4</b>	12:00	J. Topper et al.	A large-scale assessment of ecological condition in Norwegian mountain and forest ecosystems
<b>T17a-5</b>	12:15	A. Garcia-Bruzón	Accounting for the condition of forest ecosystems in Spain
<b>T17a-6</b>	12:30	M. Zhiyanski et al.	Pilot carbon account in forest territories – case-study of “Belovo”, Bulgaria
<b>T17a-7</b>	12:45	F. Sica et al.	Reviewing condition indicators for urban ecosystem accounting
<b>T17a-8</b>	13:00	E. Bruno et al.	Assessing ecosystem conditions of vacant lots to preserve them from land take: the case study of Northern Milan intermunicipal area
<b>T17a-9</b>	13:15	R. Syrbe et al.	Global climate regulation by ecosystems in Germany: the ecosystem condition parameter "carbon stock" and the ecosystem service



„greenhouse gas sequestration“ as national monitoring indicators

### T3a - The operationalization of ecosystem services indicators: a matter of scale, data, purpose and end-users

11:00 - 13:00 Wednesday, 12 October

Hosts: R. Suzette Lorilla, A. P.E. van Oudenhoven, L. Nel, U. Schwaibold

	Time	Name	Title of the Presentation
T3a-1	11:00	R. Lorilla	Welcome to Session T3a, and ESP working group T3 on ecosystem service indicators
T3a-2	11:10	B. Uniyal	Development and analysis of ecosystem services indicators for large scale studies
T3a-3	11:25	R. Syrbe	Local climate regulation in cities as ecosystem service: Proposal of an indicator for Germany as part of the national ecosystem monitoring
T3a-4	11:40	H. Duchková	The role of population data in urban ecosystem service assessments: A case study of microclimate cooling in Prague, Czechia

### T3b - Ecological tipping points and societal transformation processes in social-ecological systems

11:00 - 13:00 Wednesday, 12 October

Hosts: S. Peter, M. Mehring, M. Rauchecker, L. Drees

	Time	Name	Title of the Presentation
T3b-1	11:00	M. Mehring	Introduction and session overview
T3b-2	11:05	S. Peter	Mongolian herder mobility as an indicator of societal transformation with ecological consequences
T3b-3	11:12	A. Castro	On the role of emotions in human-nature connectedness in Mediterranean landscapes
T3b-4	11:19	J. Spulerova	Impact of land use changes on the provision of ecosystem services of grassland (case study from Slovakia)
T3b-5	11:26	A. Maruf	Are varied means better? Exploring the role of different types of social capital existed in patron-client relationship in social resilience of Bajau fishermen in Wangi-Wangi Island of Wakatobi Biosphere Reserve, Indonesia to climate change impacts and risks





<b>T3b-6</b>	11:33	L. Drees	A nomadic pastoralism for the 21st century in Mongolia. Shaping social-ecological transformations to avoid ecological tipping points
<b>T3b-7</b>	11:40	L. Bickel	Rangeland desertification and land use changes on commercial land in Namibia's Waterberg region
<b>T3b-8</b>	11:47	M. Rauchecker	Post-independence development projects to combat desertification in communal areas in Namibia's Waterberg region
<b>T3b-9</b>	11:54	S. Theodoridis	A framework for evaluating medicinal ecosystem services and their exposure to global change
<b>T3b-10</b>	12:00	L. Drees	Introduction to the World Café
<b>T3b-11</b>	12:05	L. Drees	World Café (digital & in-person)
<b>T3b-12</b>	12:35	S. Peter	Final résumé of the session and the World Café

#### **T8 - Landscape aesthetic and cultural Ecosystem Services (CES)**

11:00 - 13:00 Wednesday, 12 October

**Hosts:** A. Tisma, R. Alkemade

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T8-1</b>	11:00	A. Tisma	Modelling landscape aesthetic quality on global scale using GLOBIO-ES-LAQ model
<b>T8-2</b>	11:15	D. Sikorska	How to make "wilderness" in cities attractive? A socio-ecological study on the attractiveness of informal green spaces in Warsaw
<b>T8-3</b>	11:30	M. Kalinauskas	Mapping and Assessment of Recreational Cultural Ecosystem Service Supply and Demand: Cultural and Natural Dimension Approach
<b>T8-4</b>	11:45	E. Gomez-Baggethun	Climate change impact on cultural ecosystem services from ice and snow: The case of winter outdoor recreation in Oslo, Norway
<b>T8-5</b>	12:00	S. Kulczyk	LIDAR, spectral, and self-employed data fusion for aesthetics experience assessment: a case of an urban park
<b>T8-6</b>	12:15	E. Laszkiewicz	Would you walk through here? Determinants of seeking and avoiding urban wildscapes during utility and recreational walks
<b>T8-7</b>	12:30		Discussion



## Wednesday 12 October 2022

Afternoon

16:00-18:00

### B10 - Designing Resilient Cities through Ecosystem Service Mapping

16:00 - 18:00 Wednesday, 12 October

Hosts: S. Salata, S. Ronchi, S. Lai, S. Özkavaf-Şenalp

	Time	Name	Title of the Presentation
<b>B10-1</b>	16.00	S. Ronchi Lai	Introduction
<b>B10-2</b>	16.10	C. Montaldi	Effects of urban planning on ecosystem services. The Umbria Region seismic crater.
<b>B10-3</b>	16.20	L. Inostroza	How does Urban Development affect Ecosystem Services? A mapping and assessment exercise in Bogota using the IMECOGIP toolbox
<b>B10-4</b>	16.30	C. Quagliolo	Hydro-economic assessment of nature-based solutions in the city of Aveiro (Portugal)
<b>B10-5</b>	16.40	M. Orta-Ortiz	Simulating nature-based solutions and assessing cumulative impacts at the city scale: a case study in Las Palmas de Gran Canaria, Spain
<b>B10-6</b>	16.50	L. Jones	Airsheds, watersheds, peoplesheds ... understanding spatial relationships to plan better nature based solutions for people
<b>B10-7</b>	17.00	C. Dworczyk	Mapping Ecosystem Services Supply and Demand in Urban Regions Lessons learned from a research project in Germany
<b>B10-8</b>	17.10	S. Lai	Investigating spatial interactions among ecosystem services to support planning policies: A case study from Sardinia, Italy
<b>B10-9</b>	17.20	F. Isola	Mapping of ecological corridors as connections between protected areas: A study concerning Sardinia, Italy
<b>B10-10</b>	17.30	L. Almeida	Magdalena river watershed strategic area for the resilience of Mexico City
<b>B10-11</b>	17.40	F. de la Barrera	Megafires in Chile 2017 and the difficult recovery of the landscape and its ecosystem services.
<b>B10-12</b>	17.50	S. Salata	Wrap up



## T1 - Guidelines, tools and standards for integrated ecosystem services assessments

16:00 - 18:00 Wednesday, 12 October

**Hosts:** D. de Groot, B. Rugani, S. Moolenaar, L. Inostroza, F. Rodríguez, V. Colino, L. Brander, S. Quatrini

	Time	Name	Title of the Presentation
			<b>Databases to support ES Assessments and valuation</b>
T1-11	16:00	L. Brander	Ecosystem Services Valuation Database (ESVD) <a href="http://www.esvd.info">www.esvd.info</a>
T1-12	16:15	F. Rodriguez	Parameter appraisal to improve benefit transfer for winery landscapes
T1-13	16:30	R. Thomas	The Economics of Land Degradation initiative (ELD) a look back and forward
T1-14	16:45	C. Raymond	An inclusive typology for conceptualising the diverse values of nature: Insights from the IPBES Values Assessment
T1-15	17:00	M. Christie	Incorporating the diverse values of nature into decision-making: Insights from the IPBES Values Assessment
			<b>Certification and other tools for ES implementation</b>
T1-16	17:15	A. Quatrini	Emerging initiatives to foster the sustainability transition in times of crisis and uncertainty
T1-17	17:30	K. Bagstad	Interoperability for ES: The problem, solutions, and paths forward.
T1-18	17:45	C. De Luca	Emerging approaches for assessment of Environmental Justice in Ecosystem Services
T1-19	18:00	R. De Groot	Brief outlook and end of session

## T3a - The operationalization of ecosystem services indicators: a matter of scale, data, purpose and end-users

16:00 - 18:00 Wednesday, 12 October

**Hosts:** R. Suzette Lorilla, A. P.E. van Oudenhoven, L. Nel, U. Schwaibold

	Time	Name	Title of the Presentation
T3a-5	16:00	A. van Oudenhoven	Bridging Society and Ecosystems with fit-for-purpose indicators on Social-Ecological Systems



<b>T3a-6</b>	16:15	C. Galy	Long term environmental observatory coupled with ecosystem services evaluation: a case study in France around Cigéo industrial project
<b>T3a-7</b>	16:30	A. Thomas	Land Degradation Neutrality Indicator: care needed with interpretation due to false positives from ES trade-offs
<b>T3a-8</b>	16:45	M. Keshtkar	Develop an integrated index with a nexus approach for applying ecosystem services to decision support systems
<b>T3a-9</b>	17:00	R. Syrbe	Ecosystem extent account and biotope valuation at federal level in Germany >
<b>T3a-10</b>	17:15	TWG3 Ecosystem Service Indicators	Plenary discussion

#### **T4b - The power of ecosystem services maps for transformative change**

16:00 - 18:00 Wednesday, 12 October

**Hosts:** B. Burkhard, L. Willemsen, E. Drakou, M. Villoslada, S. le Clech

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T4b-7</b>	16:00	T. Koellner	Atlas for Ecosystem Services in Bavaria, Germany: An Interactive Tool to Explore, Evaluate and Suggest Improvements for Ecosystem Services.
<b>T4b-8</b>	16:12	M. Hinsch	Linking ecosystem condition and pollination ecosystem service modelling with ESTIMAP on the regional scale
<b>T4b-9</b>	16:24	A. Elmaliah	Mapping and Assessing Cultural Ecosystem Services and their Spatial Correlation with Biodiversity in the Arava Valley
<b>T4b-10</b>	16:36 (virtual)	S. Rova	How (un)sustainable are we? A sustainability-driven analysis of ecosystem services in the Venice lagoon.
<b>T4b-11</b>	16:48	L. Zardo	No-regret energy production from renewables integrating regional energy plans with ecosystem service analysis. Empirical evidence and theoretical insights from





			Veneto region (IT) through a GIS-based trade-off mapping
<b>T4b-12</b>	17:00	C. Carvalho	Payments for ecosystem services in Portugal: challenges to design a new incentive scheme based on costs of provision and landowners WTA in the Pinhal Interior (Centre Portugal) region
<b>T4b-13</b>	17:12	M. Moreira	Participatory mapping as a management approach for the spatialization of key-ecosystem services: the Portuguese Biosphere Reserves case-study
<b>T4b-14</b>	17:24 (virtual)	J. Alves	Assessing forest multifunctionality: an ecosystem services approach to forest ecosystems in Portugal
<b>T4b-15</b>	17:36	G. Linney	Vive la différence: evidence matters to ecosystem service mapping
<b>T4b-16</b>	17:48		Session wrap-up, discussion and lookout

### **T16b - Incentivizing tree-based solutions: PES schemes for engaging society and nature**

16:00 - 18:00 Wednesday, 12 October

**Hosts:** C. Carvalho-Santos, B. Ruganni, P. Ovando Pol

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T16b-1</b>	16:00	C. Carvalho-Santos	Opening and welcome. Introduction to TWG 16A – Tree-based PES (PESFOR-W) Working group and to the session topic.
<b>T16b-2</b>	16:05	C. Carvalho-Santos	Trees4Water – Tree-based solutions for water quality improvement
<b>T16b-3</b>	16:15	P. Thu Thui	The role of Payment for Forest Environmental Services in addressing Covid-19 impacts in Son La and Thua Thien Hue provinces, Vietnam
<b>T16b-4</b>	16:30	A. Gimona	Beyond carbon: benefits and trade-offs of broadleaved woodland expansion for multifunctional landscapes
<b>T16b-5</b>	16:45	P. Castro	Engaging key stakeholders in promoting multifunctional forests: from perceived value of ecosystem services to financial return



<b>T16b-6</b>	17:00	K. Mácová	Methodology for non-forest woody plants appraisal: tree valuation for calculation of environmental damage applicable in legal norms
<b>T16b-7</b>	17:15	J. Desair	Short rotation woody crops as a tree-based solution for biomass production and agricultural (bio)diversity
<b>T16b-8</b>	17:30	G. Valatin	Incentivising Tree Planting for climate change mitigation and wider benefits in the UK
<b>T16b-9</b>	17:45		General Discussion: Tree-based solutions and PES: successes & failures, barriers & opportunities

#### **T17a - Ecosystem condition accounting: overcoming operational challenges**

16:00 - 18:00 Wednesday, 12 October

**Hosts:** F. Marando, M. Paracchini, C. Cortinovis, A. Addamo, B. Czucz, D. Geneletti, M. Kiss, B. Burkhard

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T17a-10</b>	16:00	P. Roche et al.	Adjustment of ecosystem services capacity matrix scores according to local ecosystem condition
<b>T17a-12</b>	16:15	B. Rugani	SEEA-EA and Life Cycle Assessment (LCA): outlook on benefits and challenges of their methodological integration
<b>T17a-13</b>	16:30	G. Rusch	State-and-Transition models: Insights to ecosystem condition assessments
<b>T17a-14</b>	16:45	J. Babi Almenar et al.	Operational challenges in EU ecosystem condition accounts: the case of urban, agricultural and marine ecosystems
<b>T17a-15</b>	17:00		ROUND-TABLE (World Café)

#### **T18c- Results-based approaches and other integrated models as drivers for ecological conservation and policy integration**

16:00 - 18:00 Wednesday, 12 October

**Hosts:** G. Goggins

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
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T18c-1	16.29	C. Dirac	How to integrate the expectations of the Swiss population in the national forest policy?
T18c-2	16.42	A. Vallet	Weaving knowledge systems on Nature's Contributions to People: Medicinal plants in Peru
T18c-3	16.55	C. Darapisa	Friend or Foe: Identifying the Effects of the National Greening Program on Indigenous Peoples and Local Communities in the Philippines through Scenario Building
T18c-4	17.08	P. Posy	Communicating Knowledge to Policy Makers: Bringing Socio-Economic Perspectives to Better Freshwater Restoration Decision Making
T18c-5	17.21	D. Mortelmans	Shifting towards result based agri-environmental measures and simultaneously achieving policy integration in rural municipalities faced with high land pressures: lessons learnt from case studies in Flanders, Belgium
T18c-6	17.34	I. Szentirmai	Co-creating contracts for farmers and nature: a case study from Órség National Park, Hungary
T18c-7	17.47	G. Goggins	Improving conservation and restoration of wetlands in Ireland through results-based approaches
T18c-8	18:00		finish

## Thursday 13 October 2022

### Morning

11:00-12:30

[01- Ecosystem services research, practice and policy in Greece: current status and ways forward](#)

11:00 - 12:30 Thursday, 13 October

**Hosts:** E.Drakou, P. Dimopoulos, I. Kokkoris, M. Tsiafouli

	Time	Name	Title of the Presentation
01-1	11:00	E. Drakou	Introduction to the session
01-2	11:10	I. Kokkoris	Integrating ecosystem services into environmental management and decision making: achievements of the LIFE IP 4 NATURA project in Greece



01-3	11:25	I. Kagalou	Linking Ecosystem Services to Water Framework Directive. A practical study from Greece
01-4	11:40	A. Kagiampaki	Optimizing the integration of ecosystem services in Environmental Impact Assessments in Greece: a case study from Crete
01-5	11:55		Guided Discussion of the Working Group

## O2 - Biodiversity and ecosystem services in South-East Europe: Research challenges and application issues towards a community of practice

11:00 - 12:30 Thursday, 13 October

**Hosts:** S. Nedkov, J. Arends, H. Prodanova, V. Stoycheva

	Time	Name	Title of the Presentation
02-1	11:00	S. Nedkov	Introduction
02-2	11:05	K. Atanasovska	Multi-stakeholder collaboration and capacity building programme on integrating ecosystem services approach in policy and decision-making: A case study in North Macedonia
02-3	11:17	N. Cetin	Status and deficiencies of ecosystem services practices in Turkey: Potential collaborations in South-East Europe
02-4	11:29	B. Koulov	Current state of ecosystem accounting in Bulgaria
02-5	11:41	M. Glushkova	Modelling the recreation potential of forest territories in a case-study area of "Rila" and "Pirin" National Parks for development of health tourism at regional scale
02-6	11:53	M. Zhiyanski	New perspective in assessment and mapping the climate regulating ecosystem service under extreme polar conditions
02-7	12:05	A. Vari	Ecosystem services mapping in protected karst areas in South-Eastern Europe - the EcoKarst project approach
02-8	12:17	H. Prodanova	Crosswalking national classifications of Bulgaria to the IUCN-Global Ecosystem Typology





### **S6 T13b - Change the system: bridging the gap between ecosystem services science and the integration of natural capital approaches in business decision-making**

11:00 - 12:30 Thursday, 13 October

**Hosts:** J. Saunders, A. Boerema, M. Van Weelden

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>S6 T13b-1</b>	11:00	J. Saunders	Standardizing the measurement and reporting of business impacts and dependencies on nature
<b>S6 T13b-2</b>	11:14	M. Ta	Change the system: decoupling corporate actions and market pressures to support the creation of natural, social and human capitals.
<b>S6 T13b-3</b>	11:28	A. Rivero	Natural Capital assessment of three case studies from a water sector company to improve business decision-making and communication.
<b>S6 T13b-4</b>	11:42	A. Ribeiro	Digital tool for the assessment and monitoring of electric energy generation externalities and dependencies on ecosystem services.
<b>S6 T13b-5</b>	11:56	A. Boerema	Marine ecosystem performance framework - assessing business impacts on and dependencies of marine ecosystem services and natural capital
<b>S6 T13b-6</b>	12:10	J. Saunders	Discussion: Change the Conversation <ul style="list-style-type: none"> <li>- Links between T1 and business – Dolf de Groot, Martine van Weelden and Richard Thomas ELD</li> </ul> What needs to change in our conversations between science and business to finally Change the System.

### **T9- Shaping Healthier Cities. Ecosystem Services and Health for a responsive human-nature relations**

11:00 - 12:30 Thursday, 13 October

**Hosts:** S. Salata, D. Guedes Vidal, M. Artmann, F. Alves, A.I. Ribeiro

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T9-1</b>	11.00	D.Vidal F. Alves	Introduction: Environment, Nature, and Climate Change Issues
<b>T9-2</b>	11.20	L. Valença Pinto	Contribution of the urban green areas to ecosystem services supply and wellbeing



			Do Park characteristics affect the spatial distribution of recreational activities in an urban park? A case study in Vilnius, Lithuania
<b>T9-3</b>	11.30	S. Kulczyk	The quest for a perfect park. CES as providers of human well-being in urban green spaces
<b>T9-4</b>	11.40	N. Fagerholm	Pandemic urban resilience in the Nordic context: a cross-city analysis on associations between outdoor recreation and green infrastructure
<b>T9-5</b>	11.50	A. Hoppa	The role of vegetation in mitigating local air pollution concentrations on children's routes to school.
<b>T9-6</b>	12.00	B. Zoderer	The Biocultural Diversity of Urban Wilderness
<b>T9-7</b>	12.10	M. Gomez-Ssaldarriaga	Human health indicators in relation to mangrove habitats in Jamaica: a spatial econometric approach.
<b>T9-8</b>	12:20		Wrap-up/conclusions

#### **T14b - Making local knowledge count: Co-design principles and practices for agri-environmental programmes**

11:00 - 12:30 Thursday, 13 October

**Hosts:** F. Turkelboom, E. Kelemen, C. Albert, J. Dodsworth, S. Le Clec'h

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T14b-1</b>	11:00	F. Turkelboom	Introduction of session
<b>T14b-2</b>	11:05	L. Vercruysse	Practitioner participation in the co-design of agro-environmental contracts
<b>T14b-3</b>	11:15	Z. Harmáčková	Co-designing sustainability pathways in European agricultural landscapes: environmental justice perspective on rural transformations
<b>T14b-4</b>	11:25	C. Darapisa	Can social learning processes help Indigenous communities elicit conservation knowledge? The Case of the Mangyan Iraya Tribe, Philippines
<b>T14b-5</b>	11:35	I. Gutiérrez-Briceño	Finding incentives to move towards agroecological transition in the Community of Madrid (online)
<b>T14b-6</b>	11:45	B. Farkač	Participatory principles in cooperation between nature conservation managers and local stakeholders: best practices from the Czech Republic



<b>T14b-7</b>	11:55	J. Dodsworth	Mapping processes of Co-Design within Agri-Environment Scheme Development: the case of ELMS in the North of England (online)
<b>T14b-8</b>	12:05	<a href="#">Click here to enter text.</a>	Discussion around common co-creation themes (separate physical and online discussion)

### **T19 - Novel approaches and co-creation of standard protocols for assessing cultural ecosystem services based on social media content**

11:00 - 12:30 Thursday, 13 October

**Hosts:** F. Calcagni, A. Ghermandi, J. Langemeyer

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T19-1</b>	11:00	F. Calcagni	Session intro
<b>T19-2</b>	11:05	E. Jūrmalis	Geocaching as a data source for assessing recreational use of forests in Latvia.
<b>T19-3</b>	11:15	A. Affek	What can Google Maps tell us about the cultural ES in urban green spaces? A Warsaw case study.
<b>T19-4</b>	11:25	T. Schmitt	Recreation and its synergies and trade-offs with other ecosystem services of (pre-)Alpine grasslands: The role of management, agri-environmental schemes, infrastructural, and environmental factors
<b>T19-5</b>	11:35	C. Carvalho-Santos	Cultural ecosystem services related to rivers: modelling and mapping supported by social media in NW Portugal
<b>T19-6</b>	11:45	A. Chai-Allah	A trail-based approach using crowdsourced data to assess cultural ecosystem services
<b>T19-7</b>	11:55	N. Fox	Visual magnitude and social media: an innovative viewshed approach to assessing landscape preferences
<b>T19-8</b>	12:05	I. Havinga	Deep learning and social media reveal specific cultural contributions of biodiversity
<b>T19-9</b>	12:15	N. Kaiser	Facilitating an objective identification of human-nature interactions from computer vision-based labels of Instagram posts by a proposed new standardised clustering approach.
<b>T19-10</b>	12:25	F. Calcagni	Session wrap-up

### **T20b - Planning for equity and spatial justice in urban risk reduction through green and blue infrastructure ecosystem services (and disservices)**



11:00 - 12:30 Thursday, 13 October

Hosts: V. Pappalardo

	Time	Name	Title of the Presentation
T20b-1	11:00	V. Pappalardo	Introduction to the session
T20b-2	11:05	D. Fletcher	Sounds like injustice: Investigating the equitability of noise mitigation provided by urban woodland
T20b-3	11:20	C. De Luca	Assessing cooling capacity of urban green and blue infrastructure (GBI) in the city of Bologna through the lens of distributional justice
T20b-4	11:35	T. Grzyb	Managing inequities in access to and use of the urban riverscape: insights from Warsaw, Poland.
T20b-5	11:50	E. Laszkiewicz	Should children be seen and not heard? Children's involvement in urban green space planning
T20b-6	12:05	L. Chuchmakova	Local policy change for just green transition
T20b-7	12:20	V. Pappalardo	Exploring urban vulnerability to flood hazards in the context of environmental justice

## Friday 14 October 2022

### Morning

11:00-12:30

#### B5 - Mediterranean Islands' Ecosystem Services

11:00 - 12:30 Friday, 14 October

Hosts: I. Vogiatzakis, M. Balzan

	Time	Name	Title of the Presentation
B5-1	11:00	I. Vogiatzakis	Session Introduction
B5-2	11:15	V. Narusevicius	Challenges of Ecosystem Services Assessment and Restoration in Small Islands of Inland Waters
B5-3	11:30	M. Schirru	Lived in, lived as, lived with, lived from: Asinara's island ecosystem services from the past to present in Asinara's Gulf local communities
B5-4	11:45	P. Manolaki	Reviewing the progress of Ecosystem Services assessment in Cyprus





<b>B5-5</b>	12:00	L. Costadone	Insights into nature-based recreation in a Mediterranean small island environment from crowdsourced data
<b>B5-6</b>	12:15	K. Boucoyannis	The importance of Ecosystem Services Assessment in Spatial Planning of islands: drawing from the study case of Nisyros

### **O3 - Novel contributions to ecosystem service research - from early-career researcher perspectives**

11:00 - 12:30 Friday, 14 October

**Hosts:** M. Hänsel, H. Vuong Pham, Y. Oualili, O. Alvarado, C. Aznarez, F. Leucci, N.N. Kaiser, A. Bernal-Escobar, M. Viota

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>O3-1</b>	11:05	S. Bretagnolle	Ecosystem services as a normative frame for ecosystems functioning
<b>O3-2</b>	11:12	P. Santillán-Carvantes	Quality of life in social-ecological system units: Evidence from a global south case study
<b>O3-3</b>	11:19	L. Maebe	How to navigate toward sustainability? An ecosystem services and resilience operational framework
<b>O3-4</b>	11:26	M. Perschke	Ecological Infrastructure as an ecosystem-centered framework for comprehensive coastal ecosystem services mapping in the context of systematic conservation planning
<b>O3-5</b>	11:33	U. Saeed	Analysis of provisioning ecosystem services and perceptions of climate change for indigenous communities in the Western Himalayan Gurez Valley, Pakistan
<b>O3-6</b>	11:40	V. van 't Hoff	Make nature count: Ecosystem services in the ASN Biodiversity Fund
<b>O3-7</b>			For the remaining time: World Café (Part 1)

### **O4 - Emerging issues in ES science, policy & practice**

11:00 - 12:30 Friday, 14 October

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
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<b>O4-1</b>	11:00	M. Dimopoulou	Assessment and accounting of environmental damage after forest fires in Attica and Ileia regions, Greece
<b>O4-2</b>	11:15	L. Garrido	The long and windy road towards the real-world economic valuation of natural capital
<b>O4-3</b>	11:30	Z. Polednikova	Ecosystem services and river geomorphic elements: the case study of large wood
<b>O4-4</b>	12:00	R. Mongruel	A framework for specifying the various forms of demand for ecosystem services in the context of complex and dynamic social-ecological systems
<b>O4-5</b>	12:15	C. Carvalho-Santos	Management and conservation of aquatic biodiversity and ecosystem services: from citizen's perception to watershed governance

#### **T4a - National & large scale MAES projects in Europe - road towards policy uptake and implementation**

11:00 - 12:30 Friday, 14 October

**Hosts:** A. Vari, B. Czúcz, I. Arany, D. Barton, B. Burkhard, F. Santos-Martin

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T4a-1</b>	11:00	K. Grunewald	What information (indicators) on ecosystems and their services as well as on biodiversity is currently available at national level in Germany?
<b>T4a-2</b>	11:15	M. Termansen	From MAES project to national land use model for water, climate, biodiversity and recreation policy analysis: Experiences from Denmark
<b>T4a-3</b>	11:30	M. Linder	Implementation of the results of national MAES in decision making in Estonia
<b>T4a-4</b>	11:45	A. Mizgajski	Transdisciplinarity as a challenge for the ecosystem services approach. Insights from Poland
<b>T4a-5</b>	12:00	P. Pereira	Mapping and Assessment of Ecosystem Services in Lithuania (LINESAM). Advances in the MAES initiative
<b>T4a-6</b>	12:15	D. Vačkářová	National assessment and mapping of ecosystem services in the Czech Republic – progress and implementation

#### **T5a - Ecosystem Services Modelling for Nature-based Solutions**



11:00 - 12:30 Friday, 14 October

**Hosts:** B. De Knecht, S. Nedkov, R. Alkemade, K. Burkhard, T. Elliot

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T5a-1</b>	11:00	Hosts	Introduction
<b>T5a-2</b>	11:15	C. Veerkamp	Modelling multiple ecosystem services in 707 European urban areas
<b>T5a-3</b>	11:30	L. Allart	Structural equation modelling to understand the combined effects of climate, fertilisation and biodiversity on grassland multifunctionality
<b>T5a-4</b>	11:45	M. Villoslada	Arctic shrubification: Unveiling the role of reindeer husbandry as a Nature-based solution in tundra ecosystems.
<b>T5a-5</b>	12:00	S. Nedkov	Modelling of water-related ecosystem services for nature-based solutions in river basin management
<b>T5a-6</b>	12:15	O. Cudlin	Application of integrated modelling platform IMALBES for Nature Based Solutions in the forest-agricultural landscape

**T18a - Policy and institutional analysis for ecosystem services provision – Conceptual, methodological and empirical inspirations of multi-level governance**

11:00 - 12:30 Friday, 14 October

**Hosts:** C. Mann, L. Loft, C. Schleyer, E. Falco, D. Geneletti

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T18a-1</b>	11:00	C. Mann L. Loft	Introduction to the session: Multi-level governance and the interplay of policies, institutions and actors for ES provision.
<b>T18a-2</b>	11:10	C. Chen L. Loft B. Matzdorf	Incentive-based policies guiding toward climate-friendly use of peatlands in the EU
<b>T18a-3</b>	11:30	M.S. Orta-Ortiz D. Geneletti	Analyzing the integration of nature-based solutions in policy and planning documents in a cross-sectoral and multilevel governance structure
<b>T18a-4</b>	11:50	A. Konstantinova A. Filyushkina V. Matasov D. Dushkova	Prospects for Integrating Ecosystem Services Framework into Urban Planning, Policy Development and Decision-Making in Russia



		K. Kerdivar	
<b>T18a-5</b>	12:10	E. Schulte-Guestenberg L. Karrasch	Social network analysis of coastal governance – a chance for ecosystem-based coastal protection

### **T19 - Novel approaches and co-creation of standard protocols for assessing cultural ecosystem services based on social media content**

11:00 - 12:30 Thursday, 13 October

**Hosts:** F. Calcagni, A. Ghermandi, J. Langemeyer

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T19-1</b>	11:00	F. Calcagni	Session intro
<b>T19-2</b>	11:05	E. Jūrmalis	Geocaching as a data source for assessing recreational use of forests in Latvia.
<b>T19-3</b>	11:15	A. Affek	What can Google Maps tell us about the cultural ES in urban green spaces? A Warsaw case study.
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<b>T19-5</b>	11:35	C. Carvalho-Santos	Cultural ecosystem services related to rivers: modelling and mapping supported by social media in NW Portugal
<b>T19-6</b>	11:45	A. Chai-Allah	A trail-based approach using crowdsourced data to assess cultural ecosystem services
<b>T19-7</b>	11:55	N. Fox	Visual magnitude and social media: an innovative viewshed approach to assessing landscape preferences
<b>T19-8</b>	12:05	I. Havinga	Deep learning and social media reveal specific cultural contributions of biodiversity
<b>T19-9</b>	12:15	N. Kaiser	Facilitating an objective identification of human-nature interactions from computer vision-based labels of Instagram posts by a proposed new standardised clustering approach.
<b>T19-10</b>	12:25	F. Calcagni	Session wrap-up

## **Friday 14 October 2022**

**Afternoon  
13:30-15:30**





### B5 - Mediterranean Islands' Ecosystem Services

13:30 - 15:30 Friday, 14 October

**Hosts:** I. Vogiatzakis, M. Balzan

	Time	Name	Title of the Presentation
<b>B5-7</b>	13:30	S. Leontiou	Spatial congruence between habitat quality and recreation in integrated coastal zone management
<b>B5-8</b>	13:45	P. Antunes	Assessing the impacts of LIFE Azores Natura 2000 project on ecosystem services
<b>B5-9</b>	14:00	M. Lussu	Factors affecting orchids distribution across the Central West Mediterranean Basin
<b>B5-10</b>	14:15	M. Balzan	Planning for nature-based solutions in a Mediterranean Island context: insights from the case-study of Malta
<b>B5-11</b>	14:15	E. Kabourakis	Improving ecosystem services, connectivity, and biodiversity of olive orchards with green infrastructure and sustainable farming practices, in Crete, Greece
<b>B5-12</b>	14:30	I. Zografakis	Green infrastructure and sustainable farming practices effect on flora diversity and provision of related agroecosystem services in olive orchards, in Crete, Greece

### O3 - Novel contributions to ecosystem service research - from early-career researcher perspectives

11:00 - 12:30 Friday, 14 October

**Hosts:** M. Hänsel, H. Vuong Pham, Y. Oualili, O. Alvarado, C. Aznarez, F. Leucci, N.N. Kaiser, A. Bernal-Escobar, M. Viota

	Time	Name	Title of the Presentation
<b>O3-8</b>	13:35	S. Gebhardt	How does agricultural intensity affect ecosystem services? Informing spatial planning of rural landscapes
<b>O3-9</b>	13:42	R. Lorilla	Earth observation and machine learning for assessing drivers of ecosystem services in agricultural landscapes
<b>O3-10</b>	13:49	S. Meier	Predicting wild bee habitat and pollination service from landscape features
<b>O3-11</b>	13:56	D. Bennett	Effect of semi-natural habitat and habitat fragmentation on pollinators at wildflower



			compensation areas in Schleswig Holstein, Germany
			5 min break
<b>03-12</b>	14:08	G. Ambrósio	Beyond carbon: the contribution of South America tropical humid and sub-humid forests to ecosystem services
<b>03-13</b>	14:15	A. Stocco	Bringing together ecology and paleontology to assess multi-temporal Ecosystem Services: a new opportunity for young researchers?
<b>03-14</b>	14:22	M. Hekrle	Communicating nature-based solutions to residents: how people want to be informed about measure implementation in Czechia
<b>03-15</b>	14:29	J. Chapa	Implementation of Green Infrastructure as a prototype in urban Costa Rica
<b>03-16</b>			For the remaining time: World Café (Part 2)

#### **04 - Emerging issues in ES science, policy & practice**

13:30 - 15:30 Friday, 14 October

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>04-6</b>	13:30	A. Altmann	Assessment, accounting and traceability the wine sector impact over ecosystem services and biodiversity: designing a framework for implementing a certification and labelling in Mercosur countries to inform the EU consumers
<b>04-7</b>	13:45	L. Redolfi de Zan	SEAFORST LIFE ecosystem services from the conservation of carbon sinks of posidonia
<b>04-8</b>	14:00	A . Fitch	Modelling flood regulation service of vegetation
<b>04-9</b>	14:15	U. Cardenas	Enhancing Urban Metabolism assessments through Ecosystem Service knowledge: integrated framework and applications in Lima
<b>04-10</b>	14:30	D. Alexakis	GEOLAND project: Digital Educational Geoinformatic Methodologies for Monitoring Landscape
<b>04-11</b>	14:45	M. Spyra	Teaching the ES concept: experience from academia
<b>04-12</b>	15:00		Discussion



### T4a - National & large scale MAES projects in Europe - road towards policy uptake and implementation

13:30 - 15:30 Friday, 14 October

**Hosts:** A. Vari, B. Czúcz, I. Arany, D. Barton, B. Burkhard, F. Santos-Martin

	Time	Name	Title of the Presentation
<b>T4a-7</b>	13:30	M.V. Balzan	Case-studies of recent MAES implementation in Malta and uptake in policy and decision-making
<b>T4a-8</b>	13:45	M. Inácio	National scale assessment and mapping of lake ecosystem services: exploring gaps from MAES projects in Lithuania
<b>T4a-9</b>	14:00	M. Vainu	Assessment of aquatic ecosystem services in Estonia: where we are and where we would want to be
<b>T4a-10</b>	14:15	E. Tanács	Partial validation of a national-scale cropland condition map using the results of a landscape-scale pollinator survey
<b>T4a-11</b>	14:30	G. Mallinis	LIFE-IP 4 NATURA ppGIS/webGIS: A Public Participation Geographic Information System (ppGIS/webGIS) for visualizing, monitoring and mapping ecosystem services over Greece
<b>T4a-12</b>	14:45	I. Sieber	The EU Overseas: lessons learned and implications from first ecosystem services assessments (MAES) for policy and decision-making
<b>T4a-13</b>	15:00	A. Vári	National and large-scale ecosystem services assessments in Canada – an overview of recent work
<b>T4a-14</b>	15:15	K. Gocheva	Semantic and ontological links for data fusion between the MAES ecosystem services paradigm and Whole system socio-ecological research

### T5a - Ecosystem Services Modelling for Nature-based Solutions

11:00 - 12:30 Friday, 14 October

**Hosts:** B. De Knegt, S. Nedkov, R. Alkemade, K. Burkhard, T. Elliot

	Time	Name	Title of the Presentation
<b>T5a-1</b>	11:00	Hosts	Introduction
<b>T5a-2</b>	11:15	C. Veerkamp	Modelling multiple ecosystem services in 707 European urban areas



<b>T5a-3</b>	11:30	L. Allart	STRUCTURAL EQUATION MODELLING TO UNDERSTAND THE COMBINED EFFECTS OF CLIMATE, FERTILISATION AND BIODIVERSITY ON GRASSLAND MULTIFUNCTIONALITY
<b>T5a-4</b>	11:45	M. Villoslada	Arctic shrubification: Unveiling the role of reindeer husbandry as a Nature-based solution in tundra ecosystems.
<b>T5a-5</b>	12:00	S. Nedkov	Modelling of water-related ecosystem services for nature-based solutions in river basin management
<b>T5a-6</b>	12:15	O. Cudlin	Application of integrated modelling platform IMALBES for Nature Based Solutions in the forest-agricultural landscape

**T18a - Policy and institutional analysis for ecosystem services provision – Conceptual, methodological and empirical inspirations of multi-level governance**

13:30 - 15:30 Friday, 14 October

**Hosts:** C. Mann, L. Loft, C. Schleyer, E. Falco, D. Geneletti

	<b>Time</b>	<b>Name</b>	<b>Title of the Presentation</b>
<b>T18a-6</b>	13:30	C. Dirac	How to facilitate the translation of forest policy objectives from national to regional level? A case study on the concepts of forest ecosystem services and forest functions in Switzerland
<b>T18a-7</b>	13:50	D. Mortelmans C. Raisa J. Sander	Supporting policymaker discussions on policy-mix relevance for ecosystem service provision: lessons learnt from the INTERLACE project.
<b>T18a-8</b>	14:10	N. Nagabhatla	Can UN Decade on Ecosystem Restoration better the integration of Ecosystem Services into Environmental Governance?
<b>T18a-9</b>	14:30	L. Loft C. Mann C. Schleyer	Final debate and concluding remarks; closing of the session