



ESP SAN SEBASTIÁN, SPAIN
15-19 OCTOBER 2018

EUROPE

2018 REGIONAL CONFERENCE

**Ecosystem services in a changing world:
moving from theory to practice**

PROGRAM BOOKLET

Colofon

Citation

Van Weelden M.E., Borja, A., De Groot, R.S., González, M., Konovska, I., (2018). Program booklet ESP EU Conference 2018, San Sebastián, Spain. Foundation for Sustainable Development, Wageningen, The Netherlands.

Thank you

We would like to thank AZTI for their support and dedication in making this conference happen. In addition, we are very grateful for the support of our sponsors.

Important phone numbers

Spain country code: +34

For emergency dial: 112

Published by

Foundation for Sustainable Development

PO Box 570

6700 AN Wageningen

The Netherlands

E-mail: conference@es-partnership.org

www.fsd.nl, www.es-partnership.org, www.espconference.org/eu2018

Cover Design

Kate Snow Design

Table of contents

Welcome!	1
Organisation	2
Conference app	3
Day-by-day schedule	3
Conference awards	8
Business track	8
Market place	8
Useful tips	9
Icons on badge	9
Ecosystem Services Partnership	9
Design ESP Europe conference	10
Venue map	10
Appendix I: Detailed session programs	11
Appendix II: Poster presentations	37
Appendix III: Timetable and room overview	43

Welcome!

Welcome to the Ecosystem Services Partnership (ESP) regional conference Europe 2018!

After a successful 1st European Regional Conference, held in Antwerp, Belgium in 2016, the 2nd European ESP conference is organised in San Sebastian, Spain, from 15-19 October 2018. It is not a coincidence that we have selected as title: "Ecosystem Services in a Changing World: moving from theory to practice". As the threats of climate change are becoming more noticeable, the importance of ecosystem services and natural capital as our 'life insurance' is gaining more acknowledgement inside and outside of the academic world. The contributions of ecosystems to human wellbeing are essential but our understanding of ecosystem functions and services is still incomplete, whereas the demand from both policy makers and practitioners for guidance on how to implement ecosystem services thinking is growing. Implementation of the ecosystem services concept into everyday decision making and practice is crucial to achieve the societal and economic paradigm shift needed for the transition to a more sustainable society, safeguarding biodiversity and restoring natural ecosystems. This conference can help in bridging the gap between scientific theory and research and the need of practical applications by managers and policy-makers. We hope that the conference will accelerate this transition from theory to practice.

The program contains a broad range of topics on the latest state-of-the-art on the science, policy and practice of ecosystem services, in different systems: terrestrial, urban, freshwater, and marine. Conference keynotes cover diverse aspects of the overarching theme. Around 40 sessions have been determined by the participants and provide space to exchange ideas for the many ESP Working Groups, National Networks, projects and Service teams to get together and contribute to bridge the gap between science and policy, putting the practice in the middle of the scene.

We thank all the people of the Organising Committee who have made this conference possible, and gratefully acknowledge the financial support of the Basque Government, Regional Council, Basque Water Agency (URA), Kursaal Conference Center and Donostia-San Sebastian Turismo & Convention Bureau, Elsevier Publishers and Pensoft Publishers.

Dr. Angel Borja
Conference chair
AZTI, Spain

Dr. Rudolf de Groot
Chair ESP / Foundation for Sustainable development
Associate Professor Wageningen University, The Netherlands

Organisation

Conference Organising Committee (COC)

Co-chairs

- Angel Borja –AZTI, Spain – conference chair
- Rudolf de Groot – Wageningen University/Ecosystem Services Partnership (ESP-Chair), The Netherlands- conference co-chair
- María C. Uyarra, AZTI, Spain- co-chair

Local Organising Committee (LOC)

- Angel Borja, Chair/coordinator, AZTI
- María C. Uyarra, Co-chair
- Meritzel González, main contact
- Ibon Galparsoro

Scientific Program Committee (SPC)

- Evangelia Drakou, University of Twente
- Linwood Pendleton, University of Brest
- Kerry Turner, University of East Anglia
- Anna-Stiina Heiskanen, SYKE
- Miren Onaindia, University of the Basque Country
- Erik Gómez-Baggethum, Norwegian University of Life Sciences
- Louise Willemen, University of Twente

Support Team

- Martine van Weelden - Ecosystem Services Partnership (ESP Secretariat), The Netherlands- Conference Manager
- Iskra Konovska - Ecosystem Services Partnership (ESP Secretariat), The Netherlands- Communication & Administration Officer
- Diane Ingabire- Ecosystem Services Partnership (ESP Secretariat), The Netherlands- Conference support
- With support from: Madina Bekchanova, Stefanos Solomonides, Eugene Gakpo.

Conference app

In order to reduce printing and our CO2 footprint, the COC has decided to offer a conference app instead of a printed program booklet. Instructions to download the ESP EU conference app will be provided. This version of the program booklet will only be provided as a download on the conference website www.espconference.org/eu2018, in case you prefer all information in one file.

Day-by-day schedule

Day 1: Monday 15 October

- 11:00 - 13:00 Registration & Poster installation
- 13:00 - 13:30 Opening
 - Angel Borja, AZTI, welcome by the conference chair
 - Elena Moreno, Vice-Counsellor of Environment (Basque Government)
 - Rudolf de Groot, ESP
 - YESS (Young Ecosystem Services Specialists) group
- 13:30 - 15:00 Keynote speakers
 - B. Burkhard: [Mapping ecosystems and their services: a challenge in a rapidly changing world](#)
 - E. Drakou: [Rethinking marine ecosystem services within the ocean-human-land system](#)
- 15:00 - 15:30 Coffee break
- 15:30 - 17:00 ESP forum
- 17:00 - 18:30 Poster session & Drinks

Day 2: Tuesday 16 October

- 08:30 - 08:45 Opening
- 08:45 - 10:15 Parallel sessions

Biome Working Group sessions (B)

- [B1b - Operationalizing ecosystem services in support of ecosystem-based marine spatial planning, I. Galparsoro, et al.](#)
- [B3 - Forests for Water: Scientific evidence and economic mechanisms for encouraging ecosystem service provision, P. Ovando, et al.](#)
- [B10c - Implementation of the ecosystem services concept for urban planning and development, K. Grunewald, et al.](#)

Sectoral Working Group sessions (S)

- [S1 - Ecosystem service multifunctionality in agroecosystems: can we soften biophysical and social tradeoffs?, M. Tichit & S. Lavorel](#)
- [S5 - Promoting sustainability through water-related concepts, approaches and tools for quantifying ES, K. Burkhard, et al.](#)

Thematic Working Group sessions (T)

- [T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States, B. Burkhard, et al.](#)
- [T6c - Justice, distribution, conflicts and power relations in ESS definition and assessment, J. H. Spangenberg & J. Langemeyer](#)
- [T10b - Towards multifunctional landscapes – assessing and governing synergies between biodiversity conservation and ecosystem services, M. Volk, et al.](#)
- 10:15 - 10:45 Coffee break
- 10:45 - 11:30 Keynote speaker

- M. Fischer: The IPBES Regional Assessment on Biodiversity and Ecosystem Services for Europe and Central Asia: trends, drivers and options for decision-making

- **11:30 - 13:00** Parallel sessions

Biome Working Group sessions (B)

- B1b - Operationalizing ecosystem services in support of ecosystem-based marine spatial planning, I. Galparsoro, et al. (continued)
- B3 - Forests for Water: Scientific evidence and economic mechanisms for encouraging ecosystem service provision, P. Ovando, et al. (continued)
- B10c - Implementation of the ecosystem services concept for urban planning and development, K. Grunewald, et al. (continued)

Sectoral Working Group sessions (S)

- S1 - Ecosystem service multifunctionality in agroecosystems: can we soften biophysical and social tradeoffs?, M. Tichit & S. Lavorel (continued)
- S5 - Promoting sustainability through water-related concepts, approaches and tools for quantifying ES, K. Burkhard, et al. (continued)

Thematic Working Group sessions (T)

- T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States, B. Burkhard, et al. (continued)
- T6c - Justice, distribution, conflicts and power relations in ESS definition and assessment, J. H. Spangenberg & J. Langemeyer (continued)
- T10b - Towards multifunctional landscapes – assessing and governing synergies between biodiversity conservation and ecosystem services, M. Volk, et al. (continued)

- **13:00 - 14:30** Lunch break

- **14:30 - 16:00** Parallel sessions

Biome Working Group sessions (B)

- B1b - Operationalizing ecosystem services in support of ecosystem-based marine spatial planning, I. Galparsoro, et al. (continued)
- B10c - Implementation of the ecosystem services concept for urban planning and development, K. Grunewald, et al. (continued)

General sessions (G)

- [G1 - Impact Assessment of Nature-based solutions, D. Geneletti & D. La Rosa](#)

Thematic Working Group sessions (T)

- [T2a - Integrating biodiversity and ecosystem services in ecosystem-based management of aquatic systems, M. Lago & A. I. Lillebø](#)
- T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States, B. Burkhard, et al. (continued)
- [T6d - Uncertainties in ecosystem service measurement and valuation, A. Nobel, et al.](#)
- [T14b - Ecosystem services and adaptation to global change, M. Colloff, et al.](#)
- [T18c - Implementing Ecosystem Services in policy at National scale, L. Jones, et al.](#)

- **16:00 - 16:30** Coffee break

- **16:30 - 18:00** Parallel sessions

Biome Working Group sessions (B)

- B10c - Implementation of the ecosystem services concept for urban planning and development, K. Grunewald, et al. (continued)

General sessions (G)

- G1 - Impact Assessment of Nature-based solutions, D. Geneletti & D. La Rosa (continued)
- [G2 - Young Ecosystem Services Specialists session Peer learning for enhanced ecosystem services research, A. Filyushkina, et al.](#)

Thematic Working Group sessions (T)

- T2a - Integrating biodiversity and ecosystem services in ecosystem-based management of aquatic systems, M. Lago & A. I. Lillebø (continued)
- T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States, B. Burkhard, et al. (continued)

- T14b - Ecosystem services and adaptation to global change, M. Colloff, et al. (continued)
- [T17 - Combining accounting structures with ecosystem services: biophysical models, valuation techniques, and policy uses, A. La Notte, et al.](#)
- T18c - Implementing Ecosystem Services in policy at National scale, L. Jones, et al. (continued)

Day 3: Wednesday 17 October

- **08:30 - 08:45** Opening
- **08:45 - 10:15** Parallel sessions

Biome Working Group sessions (B)

- [B2b - Assessing Ecosystem Services and their Trade-offs towards an Integrated River and Floodplain Management – The RESI \(River Ecosystem Service Index\), S.A. Podschun, et al.](#)
- [B5 - Predicting the provision and demand of ecosystem services under global change in Mediterranean systems, A. M. Ordóñez, et al.](#)
- [B10a - Just green cities – Adding dimensions of justice to urban ecosystem service assessments, F. Baró, et al.](#)
- B10c - Implementation of the ecosystem services concept for urban planning and development, K. Grunewald, et al. (continued from Tuesday)

Thematic Working Group sessions (T)

- [T3 - Ecosystem service indicators to assess social-ecological systems, A. Van Oudenhoven, et al.](#)
- [T5b - Addressing ecosystem services modelling bottlenecks through simple to complex models: The ARIES approach, F. Villa, et al.](#)
- [T6b - Database for benefit transfer, F. Rodriguez & V. Colino](#)
- [T18a - What happened to the silver bullet - big promises and real world performances? Taking stock of a decade of empirical Payments for Ecosystem Services research around the world, L. Loft, et al.](#)
- **10:15 - 10:45** Coffee break
- **10:45 - 13:00** Parallel sessions

Biome Working Group sessions (B)

- B2b - Assessing Ecosystem Services and their Trade-offs towards an Integrated River and Floodplain Management – The RESI (River Ecosystem Service Index), S.A. Podschun, et al. (continued)
- B5 - Predicting the provision and demand of ecosystem services under global change in Mediterranean systems, A. M. Ordóñez, et al. (continued)
- [B8 - Gaining height: Mountain social-ecological systems as sentinels of change, E. Crouzat, et al.](#)
- B10a - Just green cities – Adding dimensions of justice to urban ecosystem service assessments, F. Baró, et al. (continued)

Thematic Working Group sessions (T)

- T3 - Ecosystem service indicators to assess social-ecological systems, A. Van Oudenhoven, et al. (continued)
- T10a - How to deal with Ecosystem Services trade -offs and conflicts?, F. Turkelboom, et al.
- T14a - Ways of embedding the concept of ecosystem services into decision making processes for better agricultural land management, M. V. Pecina, et al.
- T18a - What happened to the silver bullet - big promises and real world performances? Taking stock of a decade of empirical Payments for Ecosystem Services research around the world, L. Loft, et al. (continued)
- **13:00 - 14:00** Lunch break
- **14:00 - 18:00** Field trips

Two field trips have been organised:

- [Zumaia - The Flysch- FLYSCH ESENTIAL](#)
- [Pagoeta Natural Park & Gaintza winery](#)

Your badge indicates if and for which field trip you have registered. Field trip busses will depart in front of the Kursaal conference centre at 14:00 and return no later than 19:00.

- **20:00** - Conference dinner

The conference dinner will take place at the restaurant Real Club de Tennis Ondarreta, PO Eduardo Chillida, 9, 20008 San Sebastian.

A blue circle icon on your badge indicates you have registered and paid for the conference dinner. In case of any questions regarding the conference dinner, please ask at the conference information desk.

Day 4: Thursday 18 October

- **08:30 - 08:45** Opening & market place (full day)
- **08:45 - 10:15** Parallel sessions

Biome Working Group sessions (B)

- [B1a - Marine and coastal ecosystem service mapping and modelling: moving beyond land-based adaptations, E. Drakou](#)
- [B9 - Agro-biodiversity and ecosystem services at work to meet the SDGs, S. Jones, et al.](#)
- [B10b Urban agriculture and ecosystem services, K. Specht & M. Artmann.](#)

Other sessions (O)

- [O2- ESP Business-Science collaboration session: 'Making Ecosystem Services work in Corporate Action: Increasing Impact, Unlocking Opportunity and Driving Innovation', M. Smith & M. van Weelden](#)

Thematic Working Group sessions (T)

- [T2b - Linking land management and biodiversity change to ecosystem services, M. Felipe-Lucia, et al.](#)
- [T5a - Models for integrated ecosystem services assessments and future scenarios, S. Nedkov, et al.](#)
- [T11 - Telecoupling through global and interregional flows of ecosystem services, M. Schroter, et al.](#)
- [T14c - Bottlenecks and opportunities for applying ecosystem services in spatial planning, C. Albert, et al.](#)

- **10:15 - 10:45** Coffee break
- **10:45 - 11:30** Keynote speaker
 - S. Quatrini: Integrated Ecosystem Assessment and Rating System (IERS)
- **11:30 - 13:00** Parallel sessions

Biome Working Group sessions (B)

- B1a - Marine and coastal ecosystem service mapping and modelling: moving beyond land-based adaptations, E. Drakou (continued)
- B9 - Agro-biodiversity and ecosystem services at work to meet the SDGs, S. Jones, et al. (continued)
- B10b Urban agriculture and ecosystem services, K. Specht & M. Artmann. (continued)

Other sessions (O)

- O2- ESP Business-Science collaboration session: 'Making Ecosystem Services work in Corporate Action: Increasing Impact, Unlocking Opportunity and Driving Innovation', M. Smith & M. van Weelden (continued)

Thematic Working Group sessions (T)

- T2b - Linking land management and biodiversity change to ecosystem services, M. Felipe-Lucia, et al. (continued)
- T5a - Models for integrated ecosystem services assessments and future scenarios, S. Nedkov, et al. (continued)
- T14c - Bottlenecks and opportunities for applying ecosystem services in spatial planning, C. Albert, et al. (continued)
- [T18b - Governing the trade-offs of peri-urban ecosystem services, M. Spyra, et al.](#)

- **13:00 - 14:30** Lunch break
- **14:30 - 16:00** Parallel sessions

General sessions (G)

- [G3 - Ecosystem services supply and demand why social-ecological dynamics matter, M. Mehring & D. Hummel](#)

Thematic Working Group sessions (T)

- T2b - Linking land management and biodiversity change to ecosystem services, M. Felipe-Lucia, et al. (continued)
- [T4b - Less is more or the more the better? Dealing with simplification and uncertainties in ES mapping, I. Palomo, et al.](#)
- T5a - Models for integrated ecosystem services assessments and future scenarios, S. Nedkov, et al. (continued)
- [T8 - Making the intangible tangible: Using social media data to assess cultural ecosystem services, J. Langemeyer, et al.](#)
- [T9 - Ecosystems services and Human health, A. Bonn, et al.](#)
- T14c - Bottlenecks and opportunities for applying ecosystem services in spatial planning, C. Albert, et al. (continued)
- T18b - Governing the trade-offs of peri-urban ecosystem services, M. Spyra, et al. (continued)
- **16:00 - 16:30** Coffee break
- **16:30 - 18:00** Parallel sessions

Biome Working Group sessions (B)

- [B2c - Recovery of ecosystem services in restored aquatic systems, M.C.Uyarra, et al.](#)

General sessions (G)

- G3 - Ecosystem services supply and demand why social-ecological dynamics matter, M. Mehring & D. Hummel (continued)

Thematic Working Group sessions (T)

- T4b - Less is more or the more the better? Dealing with simplification and uncertainties in ES mapping, I. Palomo, et al. (continued)
- T5a - Models for integrated ecosystem services assessments and future scenarios, S. Nedkov, et al. (continued)
- [T6a - The IPBES experience - advancing ES thinking, S. Jacobs, et al.](#)
- T8 - Making the intangible tangible: Using social media data to assess cultural ecosystem services, J. Langemeyer, et al. (continued)
- T18b - Governing the trade-offs of peri-urban ecosystem services, M. Spyra, et al. (continued)

Day 5: Friday 19 October

- **08:30 - 08:45** Opening
- **08:45 - 10:15** Open space sessions
 - O3 ESERALDA session ([room 1+2](#))
 - S10 - Circular (bio-)economy ([room 3](#))
 - BWG1 ESP Marine Working Group meeting ([room 5](#))
 - IPBES syntheses session (room 4)
 - Open meeting space: please request at information desk if rooms are still available for this slot, in case you would like to arrange an additional meeting
- **10:15 - 10:45** Coffee break
- **10:45 - 12:00** Plenary session
 - Reflection by YESS (Young Ecosystem Services Specialists): Carla Washbourne
 - Panel discussion with keynote speakers and Judy Fisher
 - Feedback from the sessions
- **12:00 - 12:45** Keynote speaker
 - Jakub Wejchert: Biodiversity, Ecosystems and Ecosystem Services: EU policy and perspectives
- **12:45 - 13:30** Awards & Closing ceremony

- Presentation CO2 compensation project Forest for the Future in the Basque Country by Javier Franco, Fundación Lurgaia: will briefly explain the Quercus Program, that aims to recover part of the lost forests in the Basque Country and, hence, their value for biodiversity as well as the goods and services they provide to the people. A voucher with the donation amount of the ESP EU participants will be handed to Javier Franco.
- Best abstract presentation and poster award ceremony
- Closing words by José Ignacio Asensio, Deputy of Environment (Diputación Foral de Gipuzkoa)
- Closing by Angel Borja (AZTI), chair of the conference

Conference awards

During the poster session on Monday from 17:00-18:30 over 80 posters will be shown. The posters will be presented by their authors informally. As a poster session participant, you will be able to vote for the best poster through the conference app. All posters will be provided with an ID to enable the voting. Drinks will be provided during the poster session.

Also, all oral presentations are provided with an ID to enable voting for the best oral presentation through the conference app. The poster and oral presentation award winner will be announced during the closing session on Friday 19 October.

Business track

To strengthen science, policy, and business collaboration and uptake of ecosystem services, the business track will take place on Thursday 18 October. Business representatives are especially welcomed to share their ecosystem services experiences from practice, and to learn more about what ecosystem services means for their business and how to incorporate the concept in corporate action.

Part of the business track is the full day market place. Several projects will showcase their work at the [market place](#). These stands can be viewed in the communal area the whole day. Also, the [O2- ESP Business-Science collaboration session: 'Making Ecosystem Services work in Corporate Action: Increasing Impact, Unlocking Opportunity and Driving Innovation'](#) is specifically designed for the purpose of science and business collaboration.

Market place

The following stands will be present at the market place at the Banquet Hall:

- [AlpES - Alpine Ecosystem Services: mapping, maintenance, management](#)
- [Environment Systems Ltd SENCE Spatial Evidence for Natural Capital Evaluation, powered by near-real-time Satellite Data Services](#)
- [ARIES - ARTificial Intelligence for Ecosystem Services Market Booth](#)
- [Exploratories for large-scale and long-term functional biodiversity research](#)
- [LIFE PROGRAMME the EU's funding instrument for the environment and climate action.](#)
- [International Master's Programme Ecosystem Services](#)








Useful tips

To make your stay as pleasant as possible, hereby some tips for your stay:

- WiFi is freely available at through the KURSAAL connection.
 - User name: ESPEUROPEANCONFERENCE
 - Password: 2018
- Lunch is not provided. There are plenty of affordable lunch options in the vicinity of the conference venue. In the app suggestions are provided.
- If you would still like to join the field trip, please check on Monday latest at the information desk if there is still availability to sign up. The conference dinner is full.
- When attending the field trip, please make sure to wear comfortable shoes. Make sure to check the weather forecast and bring sun screen and/or rain clothes. Also, take any necessary personal medication.

Icons on badge

You might wonder what the icons on some badges indicate. Hereby the mystery is solved:

-  Blue circle – Signed up for Conference Dinner
-  Grey triangle – ESP member
-  Green star - Donated to CO2 compensation project
-  Orange square – Market place
-  Red Circle - Keynote speaker
-  Black square - Sponsors
-  Pink Star – Organizer

Ecosystem Services Partnership

The Ecosystem Services Partnership (ESP) aims to enhance communication, coordination and cooperation, and to build a strong network of individuals and organizations. ESP enhances and encourages a diversity of approaches, while reducing unnecessary duplication of effort in the conceptualization and application of ecosystem services.

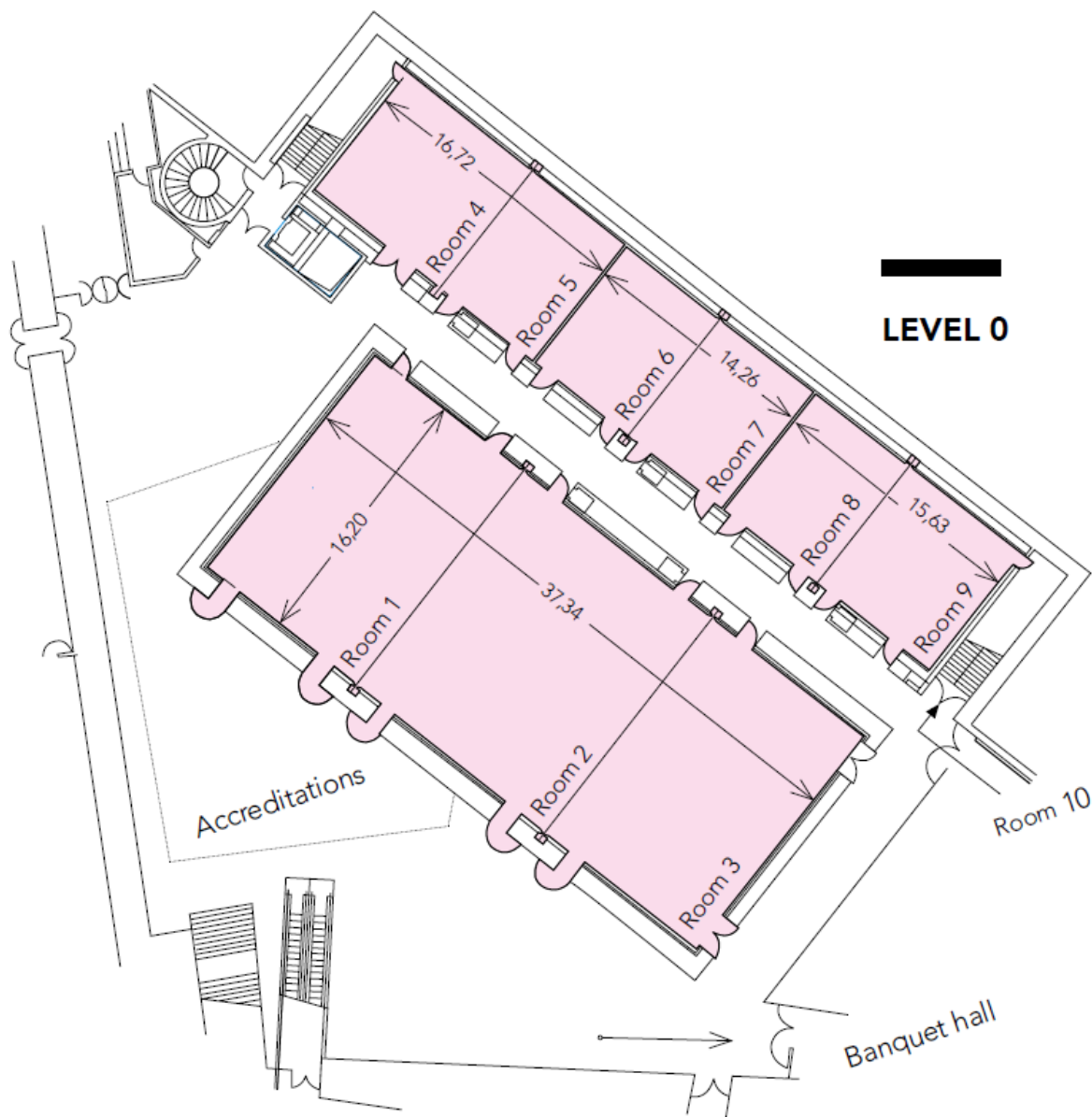
ESP connects over 3000 ecosystem services scientists, policy makers and practitioners who work together in more than 40 Working Groups and a growing number of National Networks on all continents. ESP is a [membership based](#) organisation, both institutional and individual members can subscribe. The Partnership has a specified governance structure and Executive committee.

The [ESP Regional Conferences](#), of which the ESP EU conference 2018 is part, offer an unique opportunity to share experiences with the ecosystem service community within the region. This way, regional networks can be strengthened and local participation is encouraged.

Design ESP Europe conference

The design of the ESP EU conference has been created by Kate Snow Design. The designer captured the conference theme by choosing two elements of the San Sebastián region; the oak trees in the region used to build the historical San Juan whaling ship in the 16th century (which can be visited at the Alboala museum) and the local fish used for grilling. Both elements show the relation between humans and the benefits of ecosystem services, and the relation between the land and sea in San Sebastián. In the background the map of San Sebastián is shown.

Venue map



Appendix I: Detailed session programs

This section provides the time schedules for the workshops as far as known upon production of this booklet. Possible deviations or updates will be communicated through the conference app.

The session programs are arranged per day:

TUESDAY 16 October 2018

Morning

08:45 – 10:15

B1b - Operationalizing ecosystem services in support of ecosystem-based marine spatial planning			
08:45-10:15 Tuesday, 16 October			
Hosts		I. Galparsoro, D. Depellegrin, K. Pınarbaşı	
ID	Time	Name	Title of the Presentation
B1b-1	08:45	I. Galparsoro, D. Depellegrin, K. Pınarbaşı	Operationalizing ecosystem services in support of ecosystem-based marine spatial planning.
B1b-2	09:00	K. Pınarbaşı	Potential tool developments for ecosystem services valuation with respect to requirements in marine spatial planning.
B1b-3	09:15	S. Jernberg	Optimizing the management of multiple ecosystem services - case study from the Finnish Archipelago Sea.
B1b-4	09:30	N. Fagerholm	Stakeholders' place-based knowledge supporting ecosystem-based maritime spatial planning in Kokemäenjoki riverine landscape.
B1b-5	09:45	R. Aps	Mapping cumulative risk to Marine Ecosystem Services provided by benthic habitats in the Gulf of Finland (Baltic Sea).
B1b-6	10:00	M. Inácio	Assessing and mapping changes in ecosystem services provision: examples from Baltic transitional waters bodies.
B3 - Forests for Water: scientific evidence and economic mechanisms for encouraging ecosystem service provision			
08:45-10:15 Tuesday, 16 October			
Hosts		P. Ovando-Pol, G. Valatin, D. Ellison, C. Wildburger	
ID	Time	Name	Title of the Presentation
B3-1	08:45	D. Ellison	Introduction to the Session, IUFRO Global Assessment Report of the GFEP on Forests and Water.
B3-2	08:55	G. Valatin	Woodlands for water Payments for Ecosystem Services: an overview of initial findings, activities and ambitions of the PESFOR-W COST Action.
B3-3	09:15	E. Maher Hasselquist	Analysing the effects of policy change on forest-water.
B3-4	09:30	C. Accastello	Assessing the cost-effectiveness of payments to woodland owners for water services.
B3-5	09:45	D. Ellison	Integrating Forest-Water Interactions into PES Schemes.
	10:00		General discussion
B10c - Implementation of the ecosystem services concept for urban planning and development			
08:45-10:15 Tuesday, 16 October			
Hosts		K. Grunewald, O. Bastian, J. Louda, L. Kümper-Schlake	
ID	Time	Name	Title of the Presentation
B10c-1	08:45	K. Grunewald	Introduction to Session B10c.

B10c-2	09:00	C.L. Washbourne	Urban green infrastructure: Knowledge and decision-making.
B10c-3	09:15	D.L. Badiu	From "red" to green? Urban green infrastructure planning in a post-socialist city.
B10c-4	09:30	L. Sulkarnaeva	The current state of knowledge on urban ecosystem services in Russia.
B10c-5	09:45	A. Mascarenhas	Linkages between green and blue infrastructure and ecosystem services in city planning: An analysis of selected cities in Europe and the United States.
B10c-6	10:00	P. Cudlin	How to estimate the relevance of new city plan for positive effect on the ecosystem service provision?

S1 - Ecosystem service multifunctionality in agroecosystems: can we soften biophysical and social tradeoffs?

08:45-10:15 Tuesday, 16 October

Hosts M. Tichit, S. Lavorel

ID	Time	Name	Title of the Presentation
S1-1	08:45	M. Tichit, S. Lavorel	Ecosystem service multifunctionality in agroecosystems: can we soften biophysical and social tradeoffs?
S1-2	09:00	F. Accatino	Exploring strategies for enhancing synergies and softening trade-offs between food production and other ecosystem services with a land use optimization model.
S1-3	09:30	D. Longato	Enhancing the provision of ecosystem services at landscape level in agroecosystems while reducing conflicts with food production by managing marginal agricultural lands.
S1-4	09:45	M. Cebrià-Piqueras	A functional approach to explain trade-offs and synergies between vegetation-mediated ecosystem services such as species conservation value, agricultural production and carbon sequestration in coastal grasslands.
S1-5	10:00	M. Onaindia	Land use efficiency through analysis of agro-ecological capacity and ecosystem services in an industrialized region (Biscay, Spain).

S5 - Promoting sustainability through water-related concepts, approaches and tools for quantifying ES

08:45-10:15 Tuesday, 16 October

Hosts K. Burkhard, P. Guerrero, B. AdemEsmail, C. von Haaren, N. Nagabhatla, D. Vollmer

ID	Time	Name	Title of the Presentation
S5-1	08:45	K. Burkhard, B. AdemEsmail	Welcome and Introduction to the Session.
S5-2	09:00	K. Burkhard	The added value of coupling water-related models and concepts for ecosystem service assessment – examples and steps towards sustainable water management.
S5-3	09:15	D. Derepasko	Towards an integrated environmental flow assessment at multiple scales.
S5-4	09:30	K. Van der Biest	Protecting and restoring raw water sources through landscape restoration.
S5-5	09:45	H. Khedr	Trend impact analysis of landwater regulations and climate change on environmental flows and related ecosystem services in drought-vulnerable regions.
S5-6	10:00	A. Schlattmann	Water use sustainability assessments – a review of concepts addressing quantitative water issues in support of the Sustainable Development Goals (SDGs) (Poster presentation).

T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States

08:45-10:15 Tuesday, 16 October

Hosts B. Burkhard, J. Maes, F. Santos-Martin, D. Geneletti

ID	Time	Name	Title of the Presentation
T4a-1	08:45	B. Burkhard	Session Introduction • Block I: MAES Methods • Block II: ESMERALDA outcomes • Block III: National scale MAES • Block IV: European scale MAES
T4a-2	09:00	S. Vallecillo	Mapping and Assessment of Ecosystems and their Services (MAES): guidance and integration in policy.
T4a-3	09:15	M. Torralba	Operationalizing sociocultural methods of mapping and assessment of ecosystem services and their contribution to crosscutting policy and societal questions.
T4a-4	09:30	M. Villoslada	From expert-based assessments to UAV-born images: a tiered framework for semi-natural grassland ecosystem services.
T4a-5	09:45	P. Roche	Comparing expert based capacity matrices ecosystem services scores with biophysical quantitative indicators and models at regional level.

10:00

Discussion Block I: Methods.

T6c- Justice, distribution, conflicts and power relations in ESS definition and assessment

08:45-10:15 Tuesday, 16 October

Hosts J.H. Spangenberg, J. Langemeyer

ID	Time	Name	Title of the Presentation
T6c-1	08:45	J.H. Spangenberg, J. Langemeyer	Welcome, Introduction to the session.
T6c-2	09:00	B. Kuslits	Social Network Analysis in Management of Ecosystem Services.
T6c-3	09:15	R. Lopez	Social Network Analysis and power relations: An approach to understand the effect of stakeholder's behaviour in ESS management.
T6c-4	09:30	A. Vallet	Linking equity, power and stakeholders' roles in relation to ecosystem services.
T6c-5	09:45	C. Von Haaren	Trapped in a multipole power field - Cross-national comparison of how legislation, the planning system, and public participation shape the conditions for ecosystem service planning and evaluation.

10:00

Discussion section 1: Power relations and ESS planning & management.

T10b- Towards multifunctional landscapes – assessing and governing synergies between biodiversity conservation and ecosystem services

08:45-10:15 Tuesday, 16 October

Hosts M. Volk, A. Cord, I. Liekens, M. Beckmann

ID	Time	Name	Title of the Presentation
T10b-1	08:45	M. Volk	Towards multifunctional agricultural landscapes: Assessing and governing synergies between food production, biodiversity and ecosystem services.
T10b-2	09:00	M. Schönhart	Exploring trade-offs and synergies between ecosystem services and biodiversity in an Austrian landscape.
T10b-3	09:15	P.E. Aspholm	Forest multi-functionality as a framework for cross-sectoral brokerage
T10b-4	09:30	M. Beckmann	A bird's eye view over ecosystem services in Natura 2000 sites across Europe.
T10b-5	09:45	S. Lautenbach	Trade-offs between carbon storage, crop yield production and water supply at the global scale – comparing different planning horizons.
T10b-6	10:00	L. Maebe	Balancing forest ecosystem services by adapting their management to the forest type and the ecological context: a case study in Southern Belgium.

TUESDAY 16 October 2018

Morning

11:30 – 13:00

B1b - Operationalizing ecosystem services in support of ecosystem-based marine spatial planning

11:30-13:00 Tuesday, 16 October

Hosts I. Galparsoro, D. Depellegrin, K. Pınarbaşı

ID	Time	Name	Title of the Presentation
B1b-7	11:30	J. Kotta	Knowledge to decision in dynamic seas: Novel species are jeopardizing the integrity of vital ecosystems and their functioning.
B1b-8	11:45	G. Cozzolino	Operationalizing ecosystem services in support of Conservation Measures of Marine-coastal protected areas in Sardegna Region (Italy).
B1b-9	12:00	F. Culhane	Linking marine ecosystems with the services they supply: what are the relevant service providing units?
B1b-10	12:15	K. Irvine	A post normal science approach to operationalizing marine ecosystem services: lessons from the North Sea, Scotland.
B1b-11	12:30	M. Custódio	Valuation of ecosystem services for sustainable aquaculture development.
B1b-12	12:45	K.P. Paudel	Mapping ecosystem services for coastal zone planning.

B3 - Forests for Water: scientific evidence and economic mechanisms for encouraging ecosystem service provision

11:30-13:00 Tuesday, 16 October

Hosts P. Ovando-Pol, G. Valatin, D. Ellisson, C. Wildburger

ID	Time	Name	Title of the Presentation
B3-6	11:30	L. Jägrud	Business model for a blue-green market place to reduce risks for urban flooding.
B3-7	11:45	A. Tóth	Direct Supports of the Slovak Agricultural Paying Agency as Potential Economic Mechanisms for Encouraging Ecosystem Service Provision.
B3-8	12:00	P. Ovando	Optimal harvesting decision paths when timber and water have an economic value.
B3-9	12:15	C. Carvalho-Santos	Forests as promoters of water ecosystem services – insights from Portugal.
	12:30		General discussion

B10c - Implementation of the ecosystem services concept for urban planning and development

11:30-13:00 Tuesday, 16 October

Hosts K. Grunewald, O. Bastian, J. Louda, L. Kümper-Schlake

ID	Time	Name	Title of the Presentation
B10c-7	11:30	C. Dworczyk	Mapping and assessment of urban ecosystem services in the urban regions of Rostock and Munich.
B10c-8	11:45	J. Jones	Choice of data for urban natural capital can greatly affect estimates of economic value.
B10c-9	12:00	M. Viota	Capacity of the green infrastructure to regulate the heat island effect in the city of Bilbao.
B10c-10	12:15	D. Lameiras	Assessing the potential of roadmapping methodologies to enable cooperative institutions for managing the commons: the case of Nature Based Solutions for urban climate change adaptation.
B10c-11	12:30	A. Mascarenhas	A Green Infrastructure strategy to reduce seismic vulnerability and energy demand of cities.
	12:45		Discussion: ES assessment for new city planning – from knowledge to decision-making.

S1 - Ecosystem service multifunctionality in agroecosystems: can we soften biophysical and social tradeoffs?

11:30-13:00 Tuesday, 16 October

Hosts M. Tichit, S. Lavorel

ID	Time	Name	Title of the Presentation
S1-6	11:30	C. Pinsard	Multifunctionality of ecosystem services and resilience attributes in a gradient of agroecosystems across Europe.
S1-7	11:45	M. Mouchet	Bundling the ecosystem services supplied by agro-ecosystems as part of the French Evaluation of Ecosystems and Ecosystem Services (EFESE).
S1-8	12:15	T. Poméon	Data engineering and management for an integrated assessment of agricultural ecosystem: a reflection based on the EFESE-EA French experience.
	12:30	L. Sandra M. Tichit	General discussion.

S5 - Promoting sustainability through water-related concepts, approaches and tools for quantifying ES

11:30-13:00 Tuesday, 16 October

Hosts K. Burkhard, P. Guerrero, B. AdemEsmail, C. von Haaren, N. Nagabhatla, D. Vollmer

ID	Time	Name	Title of the Presentation
S5-7	11:30	B. AdemEsmail	Unpacking the urban water security nexus using ecosystem services and nature-based solutions as guiding frameworks.
S5-8	11:45	B. Gálya	Evaluation of land use changes of inland water areas in the Carpathian Basin.
S5-9	12:15	E. Buday-Bódi	Potential and challenges in geothermal groundwater utilization in the Great Hungarian Plain.
S5-10	12:30	E. Gomez-Baggethun	The threatened value of white spaces: Ecosystem services provided by ice and snow.
	12:45		Discussion & Wrap up.

T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States

11:30-13:00 Tuesday, 16 October

Hosts B. Burkhard, J. Maes, F. Santos-Martin, D. Geneletti

ID	Time	Name	Title of the Presentation
T4a-6	11:30	B. Burkhard	Mapping and assessing ecosystems services in the EU - Lessons from the ESERALDA Coordination and Support Action.
T4a-7	11:45	D. Geneletti	Identifying representative case studies for ecosystem services mapping and assessment across Europe: Lesson learned.
T4a-8	12:00	I. Liekens	Which questions drive the Mapping and Assessment of Ecosystems and their Services under Action 5 of the EU Biodiversity Strategy?
T4a-9	12:15	A. Ruskule	Mapping and assessment of cultural ecosystem services of Latvian coastal areas.
T4a-10	12:30	P. Dimopoulos	A multidisciplinary critical review of ecosystem services studies in Greece: approaches, shortcomings and the pathway to implementation.
	12:45		Discussion Block II: ESERALDA outcomes.

T6c- Justice, distribution, conflicts and power relations in ESS definition and assessment

11:30-13:00 Tuesday, 16 October

Hosts J.H. Spangenberg, J. Langemeyer

ID	Time	Name	Title of the Presentation
----	------	------	---------------------------

T6c-6	11:30	F. Benra	A trilogy of distribution inequality: land, forests, and ecosystem services.
T6c-7	11:45	K. Mullin	Assessing the social distribution of natural capital and ecosystem services in England.
T6c-8	12:00	N. Jones	Exploring subjective perceptions for social impacts of Protected Areas: Evidence from three NATURA 2000 sites in Greece.
T6c-9	12:15	S. Raum	A framework for integrating systematic stakeholder analysis in ecosystem services research.
	12:30		Discussion section 2: Distribution, social impacts and ESS planning & management.
T6c-10	12:45	J.H. Spangenberg, J. Langemeyer	Future work planning: how to strengthen the social and political dimensions of ESS assessments, policy, planning and management.
T10b- Towards multifunctional landscapes – assessing and governing synergies between biodiversity conservation and ecosystem services			
11:30-13:00 Tuesday, 16 October			
Hosts M. Volk, A. Cord, I. Liekens, M. Beckmann			
ID	Time	Name	Title of the Presentation
T10b-7	11:30	H. Lee	Trade-offs among cultural ecosystem services, species richness and carbon storage in a multifunctional landscape – a case study in Saxony, Germany.
T10b-8	11:45	T. Li	Bundling ecosystem services for detecting their interactions driven by large scale vegetation restoration: enhanced services while depressed synergies
T10b-9	12:00	A. Portela	Freshwater habitat conservation and ecosystem services: searching for common ground to improve river management.
T10b-10	12:15	J. Gonzalez-Redin	Exploring sustainable development pathways in debt-based economies: The case for palm oil production in Indonesia.
T10b-11	12:30	R. Lopes	Applying dynamic collaborative modelling to inform sustainable land use strategies: embracing diversity to tackle ecosystem services conflicts
	12:45		Session discussion and conclusion

TUESDAY 16 October 2018

Afternoon

14:30 – 16:00

B1b - Operationalizing ecosystem services in support of ecosystem-based marine spatial planning			
14:30-16:00 Tuesday, 16 October			
Hosts I. Galparsoro, D. Depellegrin, K. Pınarbaşı			
ID	Time	Name	Title of the Presentation
B1b-13	14:30	A. Murillas	Analysing the dependencies of marine activities and Natural Capital: a spatially-explicit Bayesian Belief Network approach under the Marine Spatial Planning framework.
B1b-14	14:45	D. Depellegrin	The Socio-Ecological Dimension of Multi-Use Sea Spaces.
B1b-15	15:00	S. Wanke	A Bayesian Network Analysis of Trade-Offs Between Ecosystem Services in the Dutch Wadden Sea.
B1b-16	15:15	E. Gissi	Marine ecosystem services trade-off assessment: a methodological approach to inform maritime spatial planning.

B1b-17	15:30	D. Cabana	Valuing Coastal Cultural Ecosystem Services to Inform Marine Spatial Planning.
---------------	--------------	-----------	--

15:45	I. Galparsoro D. Depellegrin K. Pinarbaşı	Discussion & Conclusions
--------------	---	--------------------------

B10c - Implementation of the ecosystem services concept for urban planning and development

14:30-16:00 Tuesday, 16 October

Hosts K. Grunewald, O. Bastian, J. Louda, L. Kümper-Schlake

ID	Time	Name	Title of the Presentation
B10c-12	14:30	M. Schlaepfer	Quantifying the contributions of native and non-native trees to a city's biodiversity and ecosystem services.
B10c-13	14:45	S. Raum	Achieving impact from ecosystem assessment and ecosystem services valuation of urban greenspace: The case of i-Tree Eco in Great Britain.
B10c-14	15:00	D. Sikorska	The effect of invasive species on recreational ecosystem services in urban ecosystems
B10c-15	15:15	G.M. Rusch	Assessing socio-ecological complexity of pollinating services in urban landscapes.
	15:30		Discussion: Mapping and Assessment of urban Ecosystem Services for planning purposes - Examples from different perspectives.

G1- Impact Assessment of Nature-based solutions

14:30-16:00 Tuesday, 16 October

Hosts D. Geneletti, D. La Rosa

ID	Time	Name	Title of the Presentation
G1-1	14:30	D. Geneletti	Impact Assessment of Naturebased Solutions: An overview.
G1-2	14:45	K. Van der Biest	Integrating ecosystem services into impact assessments: focus on evaluating processes.
G1-3	15:00	C. Veerkamp	Ecosystem services delivered by urban green and blue infrastructure: a review.
G1-4	15:15	D. La Rosa	Analysing the spatial equity of the benefits from water regulation by Sustainable Urban Drainage Systems.
G1-5	15:30	M. Stanganelli	Assessing NBSs performances for Natural Risk Management in Mountainous and Rural Areas.
G1-6	15:45	R. Bark	Attitudes and views to nature based solutions for flood risk management in the UK.

T2a- Integrating biodiversity and ecosystem services in ecosystem-based management of aquatic systems

14:30-16:00 Tuesday, 16 October

Hosts M. Lago, A.I. Lillebø

ID	Time	Name	Title of the Presentation
T2a-1	14:30	M. Lago	Introducing the AQUACROSS project: Knowledge, Assessment, and Management for AQUATIC Biodiversity and Ecosystem Services across EU policies.
T2a-2	14:40	G. Delacamara C.M. Gomez	Assessing the waterbiodiversity nexus – integrating natural and social sciences: An assessment framework for the complex and adaptive dynamics of social-ecological aquatic systems.
T2a-3	15:00	A. Nogueira	AquaLinksTool - a versatile tool to address causal links involving activities, pressures, biodiversity, ecosystem functions and services in aquatic ecosystems.
T2a-4	15:30	A.I. Lillebø	Improving ecosystem-based management of Natura 2000 sites in the Vouga River, from catchment to coast, Portugal.

T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States

14:30-16:00 Tuesday, 16 October

Hosts B. Burkhard, J. Maes, F. Santos-Martin, D. Geneletti

ID	Time	Name	Title of the Presentation
T4a-11	14:30	K. Medcalf	Mapping Ecosystem Services in Wales for health, wellbeing and environmental resilience at a local to country scale.
T4a-12	14:45	K. Grunewald	National mapping of ecosystems, their conditions and services in Germany.
T4a-13	15:00	I. Misiune	LINESAM: Initial results of Lithuanian National Ecosystem Services Assessment and Mapping project.
T4a-14	15:15	P. Mederly	Ecosystem services mapping and assessment methods at national level in Slovakia.
T4a-15	15:30	E. Tanács	Assessment and implementation of ecosystem condition indicators in the Hungarian MAES.

15:45 Discussion Block III: National scale studies.

T6d- Uncertainties in ecosystem service measurement and valuation

14:30-16:00 Tuesday, 16 October

Hosts A. Nobel, S. Daniels, N. Witters

ID	Time	Name	Title of the Presentation
T6d-1	14:30	A. Nobel	Introduction: uncertainties in ecosystem service measurement and valuation - The example of climate change impact on carbon sequestration in European heathlands.
T6d-2	14:45	O. Bartholomé	Methodological uncertainties in estimating carbon storage in temperate forests and grasslands.
T6d-3	15:00	P. Menéndez Fernández	Assessing the benefits of using high resolution data and models in valuing flood protection services: a case study in the Philippines
T6d-4	15:15	M. Cotter	Spatially explicit modelling of ecosystem service supply in rubber dominated landscapes of South-East Asia – and how stakeholder feedback influences its weighting.

15:45 A. Nobel Discussion, Questions and Recommendations.

T14b- Ecosystem services and adaptation to global change

14:30-16:00 Tuesday, 16 October

Hosts M. Colloff, S. Lavorel, B. Locatelli, B. Martin-Lopez

ID	Time	Name	Title of the Presentation
T14b-1	14:30	M. Colloff	Nature's contributions to adaptation to climate change.
T14b-2	14:45	S. Lavorel	Nature's Contribution to Adaptation in the French Alps.
T14b-3	15:00	B. Locatelli	Ecosystem services for adaptation to climate change in mountains: Actors and worldviews.
T14b-4	15:15	S. Jacobs	Winter is coming: the fate of nature in Europe and Central Asia.
T14b-5	15:30	N. Zafra-Calvo	Acknowledging the multidimensional value of protected areas' contribution to people.

15:45 Discussion

T18c- Implementing Ecosystem Services in policy at national scale

14:30-16:00 Tuesday, 16 October

Hosts L. Jones, S. Williams, B. Emmett

ID	Time	Name	Title of the Presentation
T18c-1	14:30	L. Jones	Introduction to the aims of the session.
T18c-2	14:45	B. Emmett	Linking modelling, mapping and monitoring of ecosystem services to inform national policy in Wales.
T18c-3	15:00	R. Martins	ESS in URBAN-RURAL connections in the metropolitan region of Lisbon: lessons from existing experiences.
T18c-4	15:15	Y. Lyu	Scale and landscape attributes matter for understanding the performance of large payments for ecosystem services.
T18c-5	15:30	G. Cozzolino	Payment for Ecosystem Services in Ethiopia: the National Strategic Plan.
T18c-6	15:45	D. Donovan	Ecosystem Services Sustainability in Policy and Practice in the UK.

TUESDAY 16 October 2018

Afternoon

16:30 – 18:00

B10c - Implementation of the ecosystem services concept for urban planning and development

16:30-18:00 Tuesday, 16 October

Hosts K. Grunewald, O. Bastian, J. Louda, L. Kümper-Schlake

ID	Time	Name	Title of the Presentation
B10c-16	16:30	P. Olsson	Nature-based solutions and multiple ES in urban environment.
B10c-17	16:45	J. B. Almenar	A system dynamics model of urban forests to assess ES trade-offs and synergies in biophysical and monetary units.
B10c-18	17:00	A.K. Schneider	Assessing the ecological potential of private gardens in GIS-based web application for citizens and planners.
B10c-19	17:15	O. Hoelzinger	Implementing environmental values into planning practice: The Natural Capital Planning Tool (NCPT).
	17:30		Discussion: Mapping and Assessment of urban Ecosystem Services for planning purposes - Examples from different perspectives.

G1- Impact Assessment of Nature-based solutions

16:30-18:00 Tuesday, 16 October

Hosts D. Geneletti, D. La Rosa

ID	Time	Name	Title of the Presentation
G1-7	16:30	L. Pettinotti	Estimating the distributional impact on livelihoods of river flow change due to dam building, Pwalugu, Northern Ghana.
G1-8	16:45	E. Cabecinha	Innovating with nature towards an integrated coastal management: A case study.
	17:00		Final Discussion

G2- Young Ecosystem Services Specialists session: Peer learning for enhanced ecosystem services research

16:30-18:00 Tuesday, 16 October

Hosts A. Filyushkina, A. Mascarenhas, S. Pouso, C.L. Washbourne, K.J. Winkler

ID	Time	Name	Title of the Presentation
G2-1	16:30	A. Mascarenhas,	Introduction to YESS network and the session.

S. Pouso,
C.L. Washbourne,
K.J. Winkler

G2-2	16:45	M. Torralba E. Jūrmalis	Challenges of assessing ecosystem services and social-ecological interactions in European wood-pastures. Forest ecosystem service research in Latvia – current insights from an ECR perspective.
G2-3	17:00	A. Craddy	Examining the use of ecosystem services concepts in organisations: a systems perspective.
G2-4	17:15	P. Clemente O. Selomane	The “Nature” of borders: an ecosystem services perspective on transboundary conservation. The IPBES Fellowship Programme: enhancing the role of early career researchers in science-policy processes towards global sustainability.
	17:30		Group Discussion

T2a- Integrating biodiversity and ecosystem services in ecosystem-based management of aquatic systems

16:30-18:00 Tuesday, 16 October			
Hosts	M. Lago, A.I. Lillebø		
ID	Time	Name	Title of the Presentation
T2a-5	16:30	J. Martinez H. Teixeira	Participatory integrated management options using modelling tools.
T2a-6	16:50	S.D Langhans	Eight research areas that could foster the uptake of ecosystem-based management in fresh waters, if combined
T2a-7	17:10	M. Lago	AQUACROSS project coordinator and Ecologic Institute (Berlin): AQUACROSS: Introducing key policy messages and research highlights.
	17:20	M. Lago	Panel discussion with the audience

T4a - Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States

16:30-18:00 Tuesday, 16 October			
Hosts	B. Burkhard, J. Maes, F. Santos-Martin, D. Geneletti		
ID	Time	Name	Title of the Presentation
T4a-16	16:30	L. E. Vigl	A pan-Alpine approach to assess multiple Ecosystem Services.
T4a-17	16:45	M.C. Uyarra	Ecosystem services in European legislation: contribution of the Marine Strategy Framework Directive to the Biodiversity Strategy 2020.
T4a-18	17:00	L. Inostroza	The entanglement of ecosystem services provision. Bundling Ecosystem services to ascertain spatiotemporal trade-offs and synergies in Europe.
	17:15		Discussion Block IV: European scale studies.
	17:30		Overall Discussion.
	17:45		Conclusions

T14b- Ecosystem services and adaptation to global change

16:30-18:00 Tuesday, 16 October			
Hosts	M. Colloff, S. Lavorel, B. Locatelli, B. Martin-Lopez		
ID	Time	Name	Title of the Presentation
T14b-6	16:30	G. Fedele	Ecosystem services and transformative adaptation to climate change.
T14b-7	16:45	P. Harrison	Evaluating the effectiveness of adaptation, mitigation and transformation pathways to high-end climate change for the balanced delivery of ecosystem services.
T14b-8	17:00	K. Thellmann	Assessing the efficiency of land use planning to preserve hydrological ecosystem services under scenarios of climate change in a mountainous watershed in Xishuangbanna, South West China.

T14b-9	17:15	Z. Harmackova	Stakeholder preferences for ecosystem-based adaptation measures in Czech cities.
T14b-10	17:30	J. Förster	Ecosystem-based adaptation in small island states: how an explicit focus on 'ecosystem service opportunities' can inform adaptation options.
	17:45		Discussion

T17- Combining accounting structures with ecosystem services: biophysical models, valuation techniques and policy uses

16:30-18:00 Tuesday, 16 October

Hosts A. La Notte, I. Grammatikopoulou

ID	Time	Name	Title of the Presentation
T17-1	16:30	A. La Notte	Combining accounting structures with ecosystem services: biophysical models, valuation techniques and policy uses.
T17-2	16:45	F. Visintin	Environmental Accounting for assessing the Value for Money of Torre Guaceto Marine Protected Area.
T17-3	17:00	S. Balbi	The Outdoor Recreation Service in Italy and the innovative approach of ARIES technology.
T17-4	17:15	M. Sylla	Accounting for ecosystem services on the example of local economy.
T17-5	17:30	I. Grammatikopoulou	Developing pilot supply and use forest ecosystem accounts in Czech Republic.
	17:45	I. Grammatikopoulou	Discussion/Wrap up of presentations.

T18c- Implementing Ecosystem Services in policy at national scale

16:30-18:00 Tuesday, 16 October

Hosts L. Jones, S. Williams, B. Emmett

ID	Time	Name	Title of the Presentation
T18c-7	16:30	O. Illarianova	An analysis of ecosystem services' consideration in General Urban Spatial Plans in Russia.
T18c-8	16:45	J. Danek	Ecosystem services in environmental and other sectoral policies in the Czech Republic.
T18c-9	17:00	R. Jaligot	Conducting participatory mapping of cultural ecosystem services at the national scale: a case of Switzerland.
	17:15		Discussion on issues raised.
	17:45		Planning Policy Brief.

WEDNESDAY 17 October 2018

Morning

08:45 – 10:15

B2b - Assessing Ecosystem Services and their Trade-offs towards an Integrated River and Floodplain Management – The RESI (River Ecosystem Service Index)			
08:45-10:15 Wednesday, 17 October			
Hosts		S.A. Beichler, M. Pusch, M. Carolli	
ID	Time	Name	Title of the Presentation
B2b-1	08:45	M. Pusch	The River Ecosystem Service Index (RESI) – a new tool for integrated river and floodplain Management.
B2b-2	09:00	V. Hartje	Hydropower and inland shipping transport as abiotic ecosystem services – classification, quantification and economic valuation.
B2b-3	09:15	C. Fischer	River Ecosystem Service Index (RESI) – Analysis and evaluation of regulating ecosystem services “habitat provision”.
B2b-4	09:30	J. Thiele	Operationalization of Cultural Ecosystem Services in River Landscapes.
B2b-5	09:45	M. Rayanov	Economic Valuation of river landscapes in Germany for recreational use.
	10:00	S. Podschun	Joint Discussion.

B5 - Predicting the provision and demand of ecosystem services under global change in Mediterranean systems			
08:45-10:15 Wednesday, 17 October			
Hosts		A.M. Ordóñez, C. Carvalho-Santos, A.R. Frau, I. Geijzendorffer	
ID	Time	Name	Title of the Presentation
B5-1	08:45		Opening. Introduction to the B5 Mediterranean Working group and to the session topic.
B5-2	09:00	L. Tuffery	Combining ecological modeling and economic analysis in a prospective analysis of ecosystem services in the Mt Ventoux MAB Reserve.
B5-3	09:15	V. Vlami	Insights from an exploratory assessment of Cultural Ecosystem Services in Greece.
B5-4	09:30	J.V Rocés-Díaz	Temporal dynamics of Mediterranean forest ecosystem services and their relationships with climate and local biodiversity.
B5-5	09:45	A. Morán-Ordóñez	Trade-offs in ecosystem service provision in Mediterranean forests under global change.
B5-6	10:00	H. Lee	The impact of conservation farming practices on Mediterranean agro-ecosystem services provisioning - a meta analysis.

B10a - Just green cities – Adding dimensions of justice to urban ecosystem service assessments			
08:45-10:15 Wednesday, 17 October			
Hosts		F.Baró, J. Langemeyer, E. Łaszkiwicz	
ID	Time	Name	Title of the Presentation
B10a-1	08:45	F.Baró E. Łaszkiwicz	Session introduction PART I: Conceptual frameworks and stakeholder perspectives.
B10a-2	09:00	J. Langemeyer	Weaving notions of equity and justice into urban ecosystem service research and practice.
B10a-3	09:15	M. Biernacka	Urban green space availability, accessibility and attractiveness and the delivery of ecosystem services.
B10a-4	09:30	S. Benetti	An environmental justice approach to socio-cultural values of ecosystem services: the case study of Circeo National Park, Italy.

B10a-5	09:45	L. Kopperoinen	Environmental justice related to blue urbanism – how practitioners and experts frame the perspectives of citizens with regard to procedural and distributive environmental justice.
---------------	--------------	----------------	---

	10:00	F.Baró E. Łaszkiewicz	Wrap-up, Q/A.
--	--------------	--------------------------	---------------

B10c - Implementation of the ecosystem services concept for urban planning and development

08:45-10:15 Wednesday, 17 October

Hosts K. Grunewald, O. Bastian, J. Louda, L. Kümper-Schlake

ID	Time	Name	Title of the Presentation
B10c-20	08:45	P. Roebeling	Systemic decision support tool to assess the multiple impacts of nature-based solutions for urban global change adaptation.
B10c-21	09:00	S. Ronchi	The design of a local green infrastructure for integrating ES in planning process: the case study of Rescaldina Municipality (Milan Metropolitan city, Italy).
B10c-22	09:15	B. Olaf	Opportunities and weaknesses of the ecosystem services concept in urban planning, management and development.
B10c-23	09:30	K. Grunewald, O. Bastian, J. Louda	Wrap-up of session B10c
	09:45		Final discussion, next steps.

T3 - Ecosystem service indicators to assess social-ecological systems

09:00-10:15 Wednesday, 17 October

Hosts A. van Oudenhoven, M. Schröter, C. Albert, E. Drakou

ID	Time	Name	Title of the Presentation
T3-1	09:00	A. van Oudenhoven	Introduction to the session, short outline of recent working group paper.
T3-2	09:15	O. Ameixa	Ecosystem services provided by the little things that run the world.
T3-3	09:30	A. Lillebø	Ecosystem-based management planning process at Natura 2000 sites from catchment to coast: Ria de Aveiro region as showcase.
T3-4	09:45	H. Teixeira	Flow linkages from biodiversity to ecosystem services supply: integrating across aquatic ecosystems.
T3-5	10:00	N. Castillo Eguskitza	A comprehensive assessment of ecosystem services: integrating supply, demand and interest in the Urdaibai Biosphere Reserve.

T5b - Addressing ecosystem services modelling bottlenecks through simple to complex models: The ARIES approach

08:45-10:15 Wednesday, 17 October

Hosts F. Villa, Z. Harmackova, S. Balbi

ID	Time	Name	Title of the Presentation
T5b-1	08:45	B. Burkhard I. Palomo	Identifying and solving bottlenecks in ecosystem services mapping and modeling.
T5b-2	09:00	S. Balbi M. Pascual Z. Harmackova	A decade of ARIES: Adapting ecosystem service models to decision making needs.
T5b-3	09:10	K. Hayashi	Case study 1: Ecosystem service mapping: The case of Japan.
T5b-4	09:20	O. Selomane	Case study 2: Predicting human dependence on nature in a fast urbanising African metropolitan region.
T5b-5	09:30	M. Zen	Case study 3: Scenario analysis within the framework of SSPs: a semantic meta-modelling approach.
T5b-6	09:40	F. Villa	ARIES demonstration.
	10:00		Discussion

T6b -Databases for benefit transfer

08:45-10:15 Wednesday, 17 October

Hosts F. Rodriguez, V. Colino

Time	Name	Title of the Presentation
-------------	-------------	----------------------------------

T18a - What happened to the silver bullet - big promises and real world performances? Taking stock of a decade of empirical Payments for Ecosystem Services research around the world

08:45-10:15 Wednesday, 17 October

Hosts L. Loft, C. Meyer, C. Sattler, C. Mann

Time	Name	Title of the Presentation
-------------	-------------	----------------------------------

T18a-1	08:45	L. Loft C. Meyer	Introduction
---------------	--------------	---------------------	--------------

T18a-2	08:50	S. Engel	Key Note I: Designing payments for environmental services: Theory meets practice.
---------------	--------------	----------	---

T18a-3	09:10	G. van Hecken	Key Note II: Assessing the "success" of Payments for Ecosystem Services from different epistemic perspectives.
---------------	--------------	---------------	--

T18a-4	09:30	Alves-Pinto et al.	Economic impacts of payments for environmental services on livelihoods of agro-extractivist communities in the Brazilian Amazon
---------------	--------------	--------------------	---

T18a-5	09:45	Lliso et al.	Respect Existence or Expect Resistance: an Equitable Implementation of Payments for Ecosystem Services.
---------------	--------------	--------------	---

T18a-6	10:00	Pham et al.	Impacts of Payment for forest Environmental Services in Vietnam: A case study from Son La Province.
---------------	--------------	-------------	---

WEDNESDAY 17 October 2018

Morning

10:45 – 13:00

B2b - Assessing Ecosystem Services and their Trade-offs towards an Integrated River and Floodplain Management – The RESI (River Ecosystem Service Index)

10:45-13:00 Wednesday, 17 October

Hosts S.A. Beichler, M. Pusch, M. Carolli

Time	Name	Title of the Presentation
-------------	-------------	----------------------------------

B2b-6	10:45	L. Symmank	Floodplain ecosystem services of riparian zones- A case study.
--------------	--------------	------------	--

B2b-7	11:00	M. Rayanov	The value of agriculture in floodplains compared to ecosystem services provided by alternative land use patterns.
--------------	--------------	------------	---

B2b-8	11:15	S. Podschun	Facilitating inter- and transdisciplinary cooperation via analysis of ecosystem service interactions.
--------------	--------------	-------------	---

B2b-9	11:30	D. Nayak	Creating baseline information for the assessment of ecosystem services and their tradeoffs towards an integrated Ramganga River Biome, India.
--------------	--------------	----------	---

B2b-10	11:45	G. Anzaldua	Enabling practical implementation of the ecosystem services approach from the bottom-up: the DESSIN ESS Evaluation Framework.
---------------	--------------	-------------	---

B2b-11	12:00	N. Riegels	A new software tool supporting the cascade approach to ecosystem services assessment.
---------------	--------------	------------	---

B2b-12	12:15	S. Vilbaste	Methods for assessment of ecosystem services (ES) in fresh waters on the basis of the ecological status of a water body.
---------------	--------------	-------------	--

B2b-13	12:30	S. Podschun	Final Discussion the integration of methods of different scientific disciplines; methodological challenges encountered and decisions taken; cross-sectoral approach for the management of riverine landscape.
---------------	--------------	-------------	---

12:45	S. Podschun	Final Discussion.
--------------	-------------	-------------------

B5 - Predicting the provision and demand of ecosystem services under global change in Mediterranean systems

10:45-13:00 Wednesday, 17 October

Hosts A.M. Ordóñez, C. Carvalho-Santos, A.R. Frau, I. Geijzendorffer

	Time	Name	Title of the Presentation
B5-7	10:45	I. Geijzendorffer	Positive futures for Mediterranean wetlands biodiversity and ecosystem services.
B5-8	11:00	R. Santos	Paying for Biodiversity Conservation and Ecosystem Services Delivery in Rural Landscapes in Portugal.
B5-9	Flash poster presentations	A. Luque Florido	Does Malaga city have green and blue infrastructures? Analysis of their ecological connectivity, population accessibility and potential ecosystem services.
	11:15	Session discussion followed by meeting of members B5 Mediterranean working group. Topic of the meeting 'How well is the Mediterranean region represented in the latest IPBES regional assessment reports? Gaps and the way forward'. This discussion and the meeting are open to anyone interested in joining the group or interested in research of ecosystem services and biodiversity in the Mediterranean context.	

B8 - Gaining height: mountain social-ecological systems as sentinels of change

10:45-13:00 Wednesday, 17 October

Hosts E. Crouzat, I. Palomo, S. Lavorel

	Time	Name	Title of the Presentation
B8-1	10:45	A. Stritih	Supply and demand of mountain ecosystem services within and outside protected areas.
B8-2	11:00	E. Crouzat	A multi-layered approach to cultural ecosystem services in mountain national parks.
B8-3	11:15	S. Lavorel	Assessing ecosystems and ecosystem services in French high mountains.
B8-4	11:30	I. Palomo	A Review of Climate Change Impacts on Ecosystem Services in High Mountain Areas.
B8-5	11:45	E. Bruley	A participatory approach for linking visions of a desirable future with ecosystem services demand for mountain social-ecological system adaptation to global change.
	12:00	Joint discussion: Networking and science for mountain systems in a context of global and local changes - ESP Mountain Biome Group.	

B10a - Just green cities – Adding dimensions of justice to urban ecosystem service assessments

10:45-13:00 Wednesday, 17 October

Hosts F.Baró, J. Langemeyer, E. Łaszkiwicz

	Time	Name	Title of the Presentation
B10a-6	10:45	J. Langemeyer M. Biernacka	Session introduction PART II: Methodological approaches and applications.
B10a-7	11:00	F. Baró	Street trees benefits: assessing socio-spatial inequalities in Barcelona.
B10a-8	11:15	E. Łaszkiwicz	A cross-city comparison of age-related disparities in availability of urban green spaces – multifaceted picture of environmental justice.
B10a-9	11:30	J. Priess	Mapping ecosystem services on brownfields in Leipzig: use pattern, valuation and motives of users contribute to ongoing 2030 urban sustainability planning.
B10a-10	11:45	M. Suárez	Mapping outdoor recreation opportunities to inform the design of more inclusive and just green spaces: A case study in Greater Oslo, Norway.
B10a-11	12:00	P. Herreros-Cantis	Distributional Justice of Urban Environmental Quality: Assessing the Mismatches in Supply and Demand of Ecosystem Services in New York City.

12:15	J. Langemeyer M. Biernacka	Final Wrap-up – Q/A
-------	-------------------------------	---------------------

T3 - Ecosystem service indicators to assess social-ecological systems

10:45-13:00 Wednesday, 17 October

Hosts A. van Oudenhoven, M. Schröter, C. Albert, E. Drakou			
	Time	Name	Title of the Presentation
T3-6	10:45	O. Selomane	Piloting social-ecological indicators for use in ecosystem services assessment.
T3-7	11:00	K. Malmborg	Towards implementation of the ecosystem services concept – An iterative participatory approach.
T3-8	11:15	M. Pacheco Romero	Exploring key indicators to map and characterize social-ecological systems under an integrative conceptual framework.
T3-9	11:30	G. Patenaude	Towards convergence: Blueprint Indicators for ES Study Design and Synthesis.
T3-10	11:45	N. Jones	Proposing a new framework explaining public support for Protected Areas through Ecosystem Services and their perceived impacts.
T3-11	12:00	L. Hölting	Multifunctionality indicators – more than assessing multiple ecosystem functions and services?
T3-12	12:15	J. Hermes	Juxtaposing demands for and supplies of recreational ecosystem services: Towards a cumulative indicator for Germany.
	12:30	Final discussion on collaborative paper, activities of the Thematic Working Group 3 on Ecosystem Services Indicators, and organisation of future workshops with the working group.	

T10a - How to deal with ecosystem services trade-offs and conflicts? (Interactive session)

10:45-13:00 Wednesday, 17 October

Hosts F. Turkelboom, I.I. Arandia, M. Mehring, A. Castro, M. García-Llorente			
	Time	Name	Title of the Presentation
T10a-1	10:45	F. Turkelboom	Introduction Session.
T10a-2	10:50	D. Hummel	Social-ecological conflicts – A framework for analysis.
T10a-3	11:00	F. Turkelboom	Stakeholder responses to spatial planning trade-offs and conflicts.
T10a-4	11:10	I. Perez-Ramirez	The conversion of agrarian landscapes at rural areas in Spain: Case study of Las Vegas Rural district.
T10a-5	11:20	M. ŠmidHribar	Diverse trade-offs and conflicts among ecosystem services in Slovenian landscapes.
T10a-6	11:30	Y. Depietri	Trade-offs between regulating and cultural services as sources of hazard risk in a peri-urban natural park.
T10a-7	11:40	I. Grammatikopoulou	Preference heterogeneity challenges policy evaluation: A case study of peatland conservation in Finland.
T10a-8	11:50	A. Robert	Poplar plantations in France, at the heart of a conflict between provisioning services and cultural (dis)services.
	12:00	Interactive session in 5 discussion groups: Dialogue with the presenters of the above case studies, and jointly analysis of stakeholder positions/interests/needs, trade-offs, and promising problem solving strategies.	
	12:45	Plenary session: Reflection on group findings and possible next steps.	

T14a - Ways of embedding the concept of ecosystem services into decision making processes for better agricultural land management

10:45-13:00 Wednesday, 17 October

Hosts M. Villoslada Pecina, K. Sepp, K. Veidemane, O. Nukodemus			
	Time	Name	Title of the Presentation
T14a-1	10:45	M. Villoslada Pecina K. Veidemane	Introduction to the session.

T14a-2	11:00	A. Ruskule	Applying ecosystem service approach and stakeholder engagement in landscape planning: LIFE Viva Grass example.
T14a-3	11:15	M. VillosladaPecina	The LIFE Viva Grass experience: Prioritization of areas for bioenergy and green infrastructure development in Estonia.
T14a-4	11:30	P. Pereira	Soil management in agricultural areas and ecosystems services.
T14a-5	11:45	R. Martin Clouaire	Dealing with ecosystem services in the management of agro-ecological systems.
T14a-6	12:00	R. Olschewski	Mapping and understanding intermediaries for the design and implementation of agro-environmental schemes in Spain, Switzerland and Germany.
T14a-7	12:15	K. Veidemane	Experience in stakeholder engagement in development of solutions for grassland maintenance in Madliena parish, Latvia.
	12:30	Moderated discussion on challenges and opportunities emerging from operationalising the concept of ES into existing agricultural land use planning and management systems	
T18a - What happened to the silver bullet - big promises and real world performances? Taking stock of a decade of empirical Payments for Ecosystem Services research around the world			
10:45-13:00 Wednesday, 17 October			
Hosts		L. Loft, C. Meyer, C. Sattler, C. Mann	
Time	Name	Title of the Presentation	
T18a-7	10:45	Loft et al.	Fairness in incentive-based conservation? Contextual and distributive equity in Vietnam's Payments for Forest Environmental Services Program.
T18a-8	11:00	Förster et al.	Global assessment of factors determining expected carbon performance of REDD+ projects.
T18a-9	11:15	B. Matzdorf	Key Note III: PES in Developed Countries – Status and future research needs.
T18a-10	11:35	Sattler et al.	The potential of collaborative governance approaches to improve institutional fit of governance solutions at landscape scale: PES case studies from across Europe.
T18a-11	11:50	Varumo et al.	Analysing distributional equity: a multi-actor perspective on the desired implementation impacts of biodiversity offsetting.
T18a-12	12:05	Meyer et al.	The state and voluntary markets for ecosystem services: Going beyond CO2 in Germany's land use sector
	12:20	Short break	
	12:30	Panel: Knowledge gaps in research and implementation of PES... • Gert van Hecken (University of Antwerp) • Bettina Matzdorf (Leibniz Centre for Agricultural Landscape Research) • Pham Hong Luong (Director of the Department of Planning and Finance, Vietnam Administration of Forestry) • Pham Thu Thuy (Center for International Forestry Research)	
	12:55	L. Loft C. Meyer	Outro & Closing

THURSDAY 18 October 2018

Morning

08:45 – 10:15

B1a - Marine and coastal ecosystem service mapping and modelling: moving beyond land-based adaptations			
08:45-10:15 Thursday, 18 October			
Hosts		E. Drakou, A. Ruiz-Frau, E. Gissi, A. Borja	
Time	Name	Title of the Presentation	

B1a-1	08:45	P. Scemama	Contextualizing Ecosystem Services National Assessments: lessons learned from the French Marine Ecosystem Services Assessment (EFESE-Mer).
B1a-2	09:00	C. Stanford Clark	Assessing the value of natural capital through related ecosystem service flows and coastal and maritime activities in the Basque Country: towards future conservation and sustainability.
B1a-3	09:15	J. BalléBéganton	Extent versus strength: from open ocean to coastal 'Blue carbon' assessment.
B1a-4	09:30	F. Culhane	Risk to the supply of ecosystem services across aquatic realms.
B1a-5	09:45	D. Depellegrin	From land to sea: Exploring land- and sea-based geospatial models for marine ecosystem services assessment, mapping and threat analysis.
B1a-6	10:00	H. Peltonen	Impacts of changing nutrient loads on the coastal ecosystem services.

B9 - Agro-biodiversity and ecosystem services at work to meet the SDGs

08:45-10:15 Thursday, 18 October

Hosts S. Jones, L. Willemen, N. Estrada-Carmona

	Time	Name	Title of the Presentation
B9-1	08:45	S. Jones	Introduction to the session.
B9-2	09:00	M. Fossey	Agricultural systems as ecosystem service providers: from conceptual framework to operational tools in territory planning.
B9-3	09:15	S. Jones	Can the Agrobiodiversity Index foster more sustainable landscape management for biodiversity conservation and food and nutrition security?
B9-4	09:30	T. del Río	Remote sensing for mapping ecosystem services to support evaluation of restoration interventions in rural landscapes.
B9-5	09:45	C. Montealegre Talero	Landscape structure affects pollinator and natural enemy spillover: A meta-analysis.
B9-6	10:00	Matin S.	Mapping High Nature Value Farmlands to Understand the Attached Ecosystem Services.

B10b - Urban agriculture and ecosystem services

08:45-10:15 Thursday, 18 October

Hosts K. Specht, M. Artmann

	Time	Name	Title of the Presentation
B10b-1	08:45	K. Specht M. Artmann	Welcome and introduction / Urban agriculture and ecosystem services in a nutshell: A recent state of the art.
B10b-2	09:00	C.L. Washbourne	Analysing and visualising the benefits of food gardens as a green asset in Johannesburg through multi-method modelling.
B10b-3	09:15	M. Hernández Arroyo	Ecosystem services and social values of urban gardens: Effects on health and well-being.
B10b-4	09:30	M. Artmann	From urban agriculture to edible cities – a nature-based solution for upscaling local food supply?
	09:45		Discussion

T2b - Linking land management and biodiversity change to ecosystem services.

08:45-10:15 Thursday, 18 October

Hosts M. Felipe-Lucia, M. Fischer, E. Allan

	Time	Name	Title of the Presentation
T2b-1	08:45	M. Felipe-Lucia M. Fischer C. Penone	Introduction to session T2b - The Biodiversity Exploratories - Approaches to quantify land use intensity in forests and grasslands.
T2b-2	09:00	M. Felipe-Lucia	Using correlation networks to infer effects of land use intensification on the linkages between biodiversity, ecosystem functions and ecosystem services.
T2b-3	09:15	C. Penone	Effects of forest management on biodiversity and ecosystem services.

T2b-4	09:30	N. Schenk	Effects of multitrophic β -diversity and land-use intensity on grassland multifunctionality.
T2b-5	09:45	A. Rindisbacher	How do land-use intensification and biodiversity loss affect the resilience of ecosystem functioning? – A meta-analysis of manipulative experiments.
	10:00		Discussion 1

T5a - Models for integrated ecosystem services assessments and future scenarios

08:45-10:15 Thursday, 18 October

Hosts S. Nedkov, R. Remme, B. de Knecht, K. Burkhard, R. Alkebade

Time	Name	Title of the Presentation
T5a-1	08:45 S. Nedkov R. Remme	Introduction to the Session.
T5a-2	09:00 S. Rova	An explorative modeling approach for the dynamic simulation of the provision of multiple ecosystem services.
T5a-3	09:15 S. Nedkov	Biophysical models for mapping and assessment of ecosystem services.
T5a-4	09:30 A. Bertrand	Spatial optimisation of urban ecosystem services: a multi-objective integer linear programming based approach.
T5a-5	09:45 K. Gocheva	Improving the accuracy of complex models: towards an universal assessment method for uncertainty in combination modelling.
	10:00	Discussion

T11 - Telecoupling through global and interregional flows of ecosystem services

08:45-10:15 Thursday, 18 October

Hosts M. Schröter, N. Schulp, T. Koellner

Time	Name	Title of the Presentation
T11-1	08:45 C. Mueller	Natural Capital indicators for assessing the impacts of globalised food supply chains - A systematic literature review
T11-2	09:00 F. Turkelboom	Telecoupling the Tomato Trade: What consumers do not know about the tomato on their plate.
T11-3	09:15 J. Kleemann	Global interconnections in ecosystem services provision and use – the case of Germany.
T11-4	09:30 M. Schröter	Interregional flows of cultural ecosystem services: distant provenance of and threats to service-providing species.
T11-5	09:45 B. Rugani	Building consensus on how to address the analysis of ecosystem services in the life cycle assessment (LCA) framework.
	10:00	Joint discussion (incl. current work of the ES working group on Global ES flows-ESP TWG 11)

T14c - Bottlenecks and opportunities for applying ecosystem services in spatial planning

08:45-10:15 Thursday, 18 October

Hosts C. Albert, A. Arcidiacono, C. Cortinovia, C. Fürst, D. Geneletti, J. Kleemann, M. Spyra, F. Turkelboom, C. von Haaren, S. Salata, S. Ronchi

Time	Name	Title of the Presentation
T14c-1	08:45 C. Albert	Introduction to session T14c: rationale, objectives, and overview.
T14c-2	09:00 M. Spyra	The ecosystem services concept – a new Esperanto to facilitate participatory planning processes?
T14c-3	09:15 F. Turkelboom	Where is the art work? Territorial-based planning in a sectorial-carved up landscape.
T14c-4	09:30 C. Cortinovia	How to integrate ecosystem service knowledge in urban planning? Insights from a planning process in Trento (Italy).

T14c-5	09:45	K. Krauze	The challenges of ecosystem service-based city management in the city under the multiple social-ecological transitions. The City of Lodz (Poland) case study.
	10:00		Q&A and discussion

THURSDAY 18 October 2018

Morning

11:30 – 13:00

B1a - Marine and coastal ecosystem service mapping and modelling: moving beyond land-based adaptations			
11:30-13:00 Thursday, 18 October			
Hosts		E. Drakou, A. Ruiz-Frau, E. Gissi, A. Borja	
Time	Name	Title of the Presentation	
B1a-7	11:30	M. Von Thenen	Modelling ecosystem services provided by mussel farms in the south-western Baltic Sea.
B1a-8	11:45	E. Manea	Mapping Ecosystem Services to support EB-MSP: A methodological approach
B1a-9	12:00	C. Vieira da Silva	Stakeholders' Mapping and Valuation of Marine and Coastal Ecosystem Services: a PPGIS application for Marine Spatial Planning.
B1a-10	12:15	M.C. Uyarra	Understanding human - natural capital interactions in coastal areas for better management of marine recreational activities
B1a-11	12:30	S. Wanke	Using Serious Gaming as an Ecosystem Service Management Tool in the Wadden Sea.
	12:45	Interactive discussion on mapping and modelling methods for marine and coastal ecosystem services.	

B9 - Agro-biodiversity and ecosystem services at work to meet the SDGs			
11:30-13:00 Thursday, 18 October			
Hosts		S. Jones, L. Willemen, N. Estrada-Carmona	
Time	Name	Title of the Presentation	
B9-7	11:30	M. Haddouch	Enhancing bee pollination services to promote sustainable development in the Inzerki traditional apiary space.
B9-8	11:45	N. Estrada-Carmona	Water use efficient and nutritious crops around two reservoir in Burkina Faso: trade-offs and synergies.
B9-9	12:00	N. Hagemann	Maintaining soil-related agro-ecosystem functions and services: Challenges and Opportunities.
B9-10	12:15	L. Willemen	Aggregate effects on ecosystem services from certification of tea farming in the Upper Tana River basin, Kenya
	12:30	Discussion & Session wrap-up.	

B10b - Urban agriculture and ecosystem services			
11:30-13:00 Thursday, 18 October			
Hosts		K. Specht, M. Artmann	
Time	Name	Title of the Presentation	
B10b-5	11:30	B. Grard	Rooftop farming on urban waste: assessment of ecosystem services provided by constructed Technosols.
B10b-6	11:45	K. Specht	Ecosystem services of urban agriculture in Bologna: a perception approach from the society to the manager level.
	12:00	Discussion	
	12:45	Final remarks	

T2b - Linking land management and biodiversity change to ecosystem services.

11:30-13:00 Thursday, 18 October

Hosts M. Felipe-Lucia, M. Fischer, E. Allan

	Time	Name	Title of the Presentation
T2b-6	11:30	M. Beckmann	Land-use intensification effects on species richness and production: A global meta-analysis.
T2b-7	11:45	P. Manning	Redefining ecosystem multi-functionality.
T2b-8	12:00	S. Le Clec'h	Revealing hotspots and coldspots of ecosystem services provision in agricultural grasslands across a gradient of management intensity.
T2b-9	12:15	A. Helm	Time-delayed dynamics of ecosystem services in disappearing grasslands.
T2b-10	12:30	S. Lavorel	Interactions between vertebrate biodiversity and outdoor recreation in two French National Parks.
	12:45		Discussion 2

T5a - Models for integrated ecosystem services assessments and future scenarios

11:30-13:00 Thursday, 18 October

Hosts S. Nedkov, R. Remme, B. de Knegt, K. Burkhard, R. Alkebade

	Time	Name	Title of the Presentation
T5a-6	11:30	P. Harrison	Assessing future interactions between nature and society using scenarios and integrated models: experiences from IPBES.
T5a-7	11:45	V. Pechanec	Modelling tools for the prediction of driver impacts on biodiversity and ecosystem services at habitat level.
T5a-8	12:00	Z. Harmachkova	Future uncertainty in scenarios of ecosystem services provision: Linking differences among narratives and outcomes.
T5a-9	12:15	A. Bayer	Future human demands in land use models and their effect on ecosystem functionality.
T5a-10	12:30	L. Santamaria	Models as consensus-building tools: Collaborative modelling and the integrated assessment of ecosystem services.
	12:45		Discussion

T14c - Bottlenecks and opportunities for applying ecosystem services in spatial planning

11:30-13:00 Thursday, 18 October

Hosts C. Albert, A. Arcidiacono, C. Cortinovis, C. Fürst, D. Geneletti, J. Kleemann, M. Spyra, F. Turkelboom, C. von Haaren, S. Salata, S. Ronchi

	Time	Name	Title of the Presentation
T14c-6	11:30	L. Sousa	Ecosystem services integration in the environmental planning process.
T14c-7	11:45	N. Cetin	Critical suggestions for ES based spatial planning practices in metropolitan water supplies of Istanbul.
T14c-8	12:00	C. Albert	Applying ecosystem services in GeoDesign for river landscape futures: experiences and insights from the Lahn case study.
T14c-9	12:15	E. Honeck	Bottlenecks and opportunities in implementing green infrastructures from ecosystem services, biodiversity and connectivity in Geneva, Switzerland.
	12:30		Q&A and discussion

T18b - Governing the trade-offs of peri-urban ecosystem services

11:30-13:00 Thursday, 18 October

Hosts M. Spyra, L. Inostroza, D. La Rosa, I. Zasada

	Time	Name	Title of the Presentation
T18b-1	11:30	M. Spyra	Introduction to the session topic.
T18b-2	11:45	N. Schulp	Role of external actors in shaping the future of a peri-urban region.
T18b-3	12:00	W. Rolf	A stakeholder approach, door opener for farmland and multi-functionality in Urban Green Infrastructure.

T18b-4	12:15	B. Rodriguez-Morales	Searching for (dis)similarities between landowners' and visitors' perceptions on ES supply: a case study in the peri-urban communal forest of Xalo (A Coruña, Spain).
T18b-5	12:30	M. van Lierop	Governing the Trade-Offs of Peri-Urban Ecosystem Services in the Alpine Region.
T18b-6	12:45	I. Zasada	City-region agri-food systems: exploring governance approaches at the interfaces between food systems, peri-urban agriculture and landscapes.

THURSDAY 18 October 2018

Afternoon

14:30 – 16:00

G3 - Ecosystem services supply and demand: why social-ecological dynamics matter

14:30-16:00 Thursday, 18 October

Hosts M. Mehring, D. Hummel

	Time	Name	Title of the Presentation
G3-1	14:30	M. Mehring	Ecosystem Services – The need for a social-ecological dynamics perspective.
G3-2	14:45	S. Peter	How much risk do we accept? Understanding the social use of ecosystem services in times of biodiversity loss.
G3-3	15:00	S. Campagne	Sustainable use of ecosystem services at regional level.
G3-4	15:15	S. Vallecillo	Quantifying actual flow of flood regulation for ecosystem services accounting.
G3-5	15:30	L. Schulte-Droesch	A changing forest: The dynamics of sense of place in the Northern Black Forest.
G3-6	15:45	C. Jericó-Daminello	Collaboration, influence, coproduction and benefits: a social-ecological network analysis of the Lahn river.

T2b - Linking land management and biodiversity change to ecosystem services.

14:30-16:00 Thursday, 18 October

Hosts M. Felipe-Lucia, M. Fischer, E. Allan

	Time	Name	Title of the Presentation
T2b-11	14:30	E. Crouzat	Being in or out: characterizing the influence of National Park management on ecosystem services.
T2b-12	14:45	C. Castellano	Assessment of Soil Ecosystem Services in two Mediterranean Sub-watersheds with Intensive Agricultural Land Uses.
T2b-13	15:00	J. Lecina-Diaz	Are protected areas an effective tool for preserving ecosystem services?
T2b-14	15:15	R. Molina Venegas	Linking plant evolution and human well-being: ecosystem services along elevation and land-use at Mt. Kilimanjaro, Tanzania.
T2b-15	15:30	S. Daniels	Valuing the Invaluable: a functional role-based approach for the valuation of functional biodiversity.
	15:45		Discussion 3

T4b - Less is more or the more the better? Dealing with simplification and uncertainties in ES mapping

14:30-16:00 Thursday, 18 October

Hosts I. Palomo, L. Willemsen, B. Burkhard, E. Drakou

	Time	Name	Title of the Presentation
T4b-1	14:30	M. Rühringer	Use and user requirements of ecosystem service maps - Analysing decision makers' needs within the context of Target 2 (Action 5) of the EU Biodiversity Strategy for 2020.
T4b-2	14:45	B. Kuslits	Quality Control in participatory MAES processes.

T4b-3	15:00	S. Cerretelli	Spatial Bayesian Belief Networks for mapping land degradation risk in different land use scenarios. An Ethiopian case study.
T4b-4	15:15	J. Esquivel	Integrated assessment of regulation, provision and cultural ecosystem services in different landscape scenarios in south-central Chile.
T4b-5	15:30	F. Neuendorf	Do complex ecosystem services models provide better advice? An exploration of outputs from different models and implications for landscape planning.
T4b-6	15:45	A. Cord	Challenges and opportunities for mapping ecosystem services using satellite remote sensing data .

T5a - Models for integrated ecosystem services assessments and future scenarios

14:30-16:00 Thursday, 18 October

Hosts S. Nedkov, R. Remme, B. de Knegt, K. Burkhard, R. Alkebade

Time	Name	Title of the Presentation	
T5a-11	14:30	P. Menéndez Fernández	Assessing the role of coral reefs and mangroves for coastal flood protection under climate change scenarios.
T5a-12	14:45	A. RazinkovasBaziukas	Outlook to the future: will the climatic changes alter the ecosystem services of the Baltic coastal lagoon?
T5a-13	15:00	J. Jorda Capdevila	An integrated strategy for the assessment of multiple fresh water related ecosystem services under global change conditions.
T5a-14	15:15	A. Schibalski	Spatio-temporal quantification of the impact of climate change, sea-level rise and land management on the provision of multiple coastal ecosystem services.
T5a-15	15:30	E. Cabecinha	ALICE: Improving biophysical models to link terrestrial, riverine and coastal interfaces accounting for biodiversity and ecosystem services.
	15:45		Discussion

T8 - Making the intangible tangible: Using social media data to assess cultural ecosystem services

14:30-16:00 Thursday, 18 October

Hosts J. Langemeyer, J. Connolly, M. Lenormand, F. Calcagni

Time	Name	Title of the Presentation	
T8-1	14:30	J. Langemeyer	Mapping the intangible: Using geo-located social media data to examine landscape aesthetics.
T8-2	14:45	F. Calcagni	A tag is worth a thousand pictures: Social media metadata analysis to uncover plural cultural ecosystem services values.
T8-3	15:00	J. Connolly	Cultural Ecosystem Services of Urban Green Infrastructure and their relationship with Green Gentrification in Barcelona.
T8-4	15:15	R. Moreno-Llorca	Exploring cultural ecosystem services and visitor types in mountain and wetland multifunctional protected areas: The potential of crowd sourced social media photographs to support decision making.
T8-5	15:30	P. Clemente	Using social media photographs to model the distribution of cultural ecosystem services.
	15:45		Group discussion

T9 - Ecosystem Services and Human Health

14:30-16:00 Thursday, 18 October

Hosts A. Bonn, M. Marselle, K. Irvine

Time	Name	Title of the Presentation	
T9-1	14:30	S. De Vries	Biodiversity in the context of 'biodiversity - mental health' research.
T9-2	14:45	I. Doimo	Forests' contribution to human health: a review of Forest Care Initiatives and their impact on people's wellbeing.
T9-3	15:00	B. Schröder	Reducing infection risks related to landscape-associated pathogens by zooprophyllaxis.
T9-4	15:15	K. Irvine	Biodiversity and spiritual wellbeing.
T9-5	15:30	M. Marselle	The mental health and wellbeing benefits of biodiversity.

15:45		Questions and Discussion	
T14c - Bottlenecks and opportunities for applying ecosystem services in spatial planning			
14:30-16:00 Thursday, 18 October			
Hosts	C. Albert, A. Arcidiacono, C. Cortinovia, C. Fürst, D. Geneletti, J. Kleemann, M. Spyra, F. Turkelboom, C. von Haaren, S. Salata, S. Ronchi		
Time	Name	Title of the Presentation	
T14c-10	14:30	J. van Dijk	Consistent valuation in a confusing world – the pros and cons of the Analytical Hierarchical Approach in individual and deliberative value assessments.
T14c-11	14:45	A. Labadini	Ecosystems Services maps for transnational planning of mountain regions: a stakeholder perspective.
	15:00	Q&A and discussion, take home messages, and follow-up	
T18b - Governing the trade-offs of peri-urban ecosystem services			
14:30-16:00 Thursday, 18 October			
Hosts	M. Spyra, L. Inostroza, D. La Rosa, I. Zasada		
Time	Name	Title of the Presentation	
T18b-7	14:30	A. Allocco	Enhancement of biodiversity, regulation and cultural ecosystem services in the agro-environmental peri-urban district of Fontaneto (Chieri municipality, Piedmont Region, Italy).
T18b-8	14:45	N.I. Cetin	Challenges and opportunities to manage ecosystem services (ES) in peri-urban watersheds of Istanbul.
T18b-9	15:00	M. Sylla	Peri-urban agricultural related ecosystem services' trade-offs.
T18b-10	15:15	M. Spyra	Assessment of ecosystem services accessibility deficits in the extend of peri-urban landscape.
T18b-11	15:30	I. Ametzaga-Arregi	Analysing the synergies and trade-offs between ecosystem services to reorient land use planning in Metropolitan Bilbao (Biscay, Basque Country).
T18b-12	15:45	A. Gerardy	Peri-urban/rural landscape dynamic: a focus on ecosystem services.

THURSDAY 18 October 2018

Afternoon

16:30 – 18:00

B2c - Recovery of ecosystem services in restored aquatic systems			
16:30-18:00 Thursday, 18 October			
Hosts	M.C. Uyarra, A. Borja, S. Pouso		
Time	Name	Title of the Presentation	
B2c-1	16:30	D. Avila	Natural water treatment systems and ecosystem services in watersheds of the Cauca Department, Colombia.
B2c-2	16:45	S. Pouso	Does recovery of ecosystems equal to the recovery of ecosystem services? Recreationalists' perceptions of the recovered Nerbio estuary.
B2c-3	17:00	E. Gomez-Baggethun	Changes in ecosystem services from wetland loss and restoration: An ecosystem assessment of the Danube Delta (1960-2010).
B2c-4	17:15	S. Pouso	The capacity of a restored estuary to provide ecosystem services: system dynamics modelling as a useful tool to simulate recreational fishing benefits.
B2c-5	17:30	D. Jorda-Capdevila	Assessment of ecosystem services in intermittent rivers and ephemeral streams – a transdisciplinary dialogue.
	17:45	General discussion and questions on the topic.	

G3 - Ecosystem services supply and demand: why social-ecological dynamics matter

16:30-18:00 Thursday, 18 October

Hosts M. Mehring, D. Hummel

	Time	Name	Title of the Presentation
G3-7	16:30	A.J Castro	Evaluating (de)coupling of social-ecological river systems in the Western US.
G3-8	16:45	K. Locher-Krause	Ecosystem services supply and beneficiary's assessment: the role of landscape structural connectivity in a highly transformed Patagonian landscape.
	17:00		Group discussion.

T4b - Less is more or the more the better? Dealing with simplification and uncertainties in ES mapping

16:30-18:00 Thursday, 18 October

Hosts I. Palomo, L. Willems, B. Burkhard, E. Drakou

	Time	Name	Title of the Presentation
T4b-7	16:30	A. Genua Olmedo	Mapping of ecosystem services: constraints, challenges, and lessons learned.
	16:45		Joint discussion: Less is more or the more the better? Dealing with simplification and uncertainties in ES mapping.

T5a - Models for integrated ecosystem services assessments and future scenarios

16:30-18:00 Thursday, 18 October

Hosts S. Nedkov, R. Remme, B. de Knegt, K. Burkhard, R. Alkebade

	Time	Name	Title of the Presentation
T5a-16	16:30	R. Remme	The Natural Capital Model for the Netherlands – integrated modelling of ecosystem services and biodiversity.
T5a-17	16:45	M. Felipe-Lucia	Prioritizing sites for ecological restoration based on ecosystem services.
T5a-18	17:00	R. Moreno-Llorca	Past and future assessment of ecosystem services based on land use changes to help decision making in protected areas planning.
T5a-19	17:15	H. Zhang	Multi-Scenarios Simulation of Land Use for Reducing Wind Erosion in The Typical Agro-pastoral Ecotone.
	17:30		Discussion

T6a - The IPBES experience - advancing ES thinking?

16:30-18:00 Thursday, 18 October

Hosts S. Jacobs

T8 - Making the intangible tangible: Using social media data to assess cultural ecosystem services

16:30-18:00 Thursday, 18 October

Hosts J. Langemeyer, J. Connolly, M. Lenormand, F. Calcagni

	Time	Name	Title of the Presentation
T8-6	16:30	K. Ohno	Landscapes posted on SNS in Japan.
T8-7	16:45	H. Lee	Quantifying cultural ecosystem services in Europe using crowd-sourced photos.
T8-8	17:00	A. Baggio-Compagnucci	A methodological framework to derive landscape attractiveness from voluntarily submitted photographs.
T8-9	17:15	A. Cord	Geocaching data as an indicator for recreational ecosystem services in urban areas: exploring spatial.
T8-10	17:30	F. Calcagni	From "worth experiencing" to "worth sharing": A literature review for revealing relational CES through social media.
	17:45		Group discussion / Wrap-up

T18b - Governing the trade-offs of peri-urban ecosystem services

16:30-18:00 Thursday, 18 October

Hosts M. Spyra, L. Inostroza, D. La Rosa, I. Zasada

	Time	Name	Title of the Presentation
T18b-13	16:30	L. Inostroza	Ecosystem services and urbanisation. A spatially explicit assessment in Upper Silesia, central Europe.
T18b-14	16:45	A. Shkaruba	Trade-offs in the governance of ecosystem services in peri-urban transition in Eastern Europe: The role of dachas in rural-urban areas across Belarus, Russia and Ukraine.
T18b-15	17:00	M.W. Strohbach	Low-density housing development in peri-urban areas - the biggest trade-off of all. An interdisciplinary perspective on a case study in Lower Saxony, Germany.
	17:15	M. Spyra, L. Inostroza, D. La Rosa, I. Zasada	Wrap-up of the session, open discussion, planning the next steps.

Appendix II: Poster presentations

The poster session will take place on Monday 15 October from 17:00-18:30. The below list shows the session to which the poster abstract is related. The poster session will be an informal gathering with drinks. Poster presenters will be near to their posters in order to give explanation about their research.

Biome Working Groups (B)

B1a - Marine and coastal ecosystem service mapping and modelling moving beyond land-based adaptations.

ID	Name	Title of the Presentation
B1a-1	I. Burgués	Understanding human - natural capital interactions in coastal areas for better management of marine recreational activities.
B1a-2	C. Ladiero E. Drakou	Mapping the coastal ecotourism service in Greece: the case of loggerhead sea turtles.

B1b - Operationalizing ecosystem services in support of ecosystem-based marine spatial planning.

ID	Name	Title of the Presentation
B1b-1	E. Cabecinha J. David	Exploring the link between supply and demand of cultural ecosystem services in a coastal protected area: insights into management tools.
B1b-2	C. Paoli P. Vassallo	Natural capital and ecosystem services assessment in natural parks and marine protected areas: A proposed framework from the GIREPAM project.
B1b-3	K. Van der Biest	Dune dynamics safeguard ecosystem services.

B2a - Intermittent rivers and ephemeral streams – Yes, they do provide valuable ecosystem services.

ID	Name	Title of the Presentation
B2a-1	M. Vidal-Abarca	Drivers change (climate change vs land use change) of ecosystem services provide by Mediterranean ephemeral streams: Conceptual and methodological framework of the project CASECEM.

B5 - Predicting the provision and demand of ecosystem services under global change in Mediterranean systems.

ID	Name	Title of the Presentation
B5-1	A. Florido	Does Malaga city have green and blue infrastructures? Analysis of their ecological connectivity, population accessibility and potential ecosystem services.
B5-2	R. Santos P. Antunes	Paying for Biodiversity Conservation and Ecosystem Services Delivery in Rural Landscapes in Portugal.

B8 - Gaining height mountain social-ecological systems as sentinels of change.

ID	Name	Title of the Presentation
B8-1	C. Accastello	A multidisciplinary model (ASFORESEE) to assess the value of forest protection service against rockfall in the Alpine Space.
B8-2	C. Carvalho-Santos	Earth observation to support ecosystem services assessments – indicators for current supply, trend and demand applied to a protected mountain area in Portugal
B8-3	R. Viterbi C. Carrato	Long-term monitoring of animal biodiversity: state and expected changes in the NW Italian Alps.

B9- Agro-biodiversity and ecosystem services at work to meet the SDGs.

ID	Name	Title of the Presentation
B9-1	G. M. Nooruddin	The concurrent effects on land use conversions and local geomorphological features on Nitrate level to the regulation of fresh water quality.
B9-2	M. Sanchez-Mejia	Comparative local agrobiodiversity valuation for tropical sustainable bioeconomies.

B10b- Urban agriculture and ecosystem services.

ID	Name	Title of the Presentation
B10b-1	B. Grard	An evaluation of ecosystem services delivered by urban micro-farms: the research project SEMOIRS.
B10b-2	S. Joimel	Soil invertebrates as bioindicators of biodiversity support in urban agriculture.
B10b-3	L. Ponizy	The FEW-meter – an integrative model to measure and improve urban agriculture, shifting it towards circular urban metabolism.

B10c - Implementation of the ecosystem services concept for urban planning and development.

ID	Name	Title of the Presentation
B10c-1	P. Brzoska	The value of ecosystem services and biodiversity in cities, exemplified by Dresden, Liberec and Děčín.
B10c-2	P. Brzoska	Reduced heat stress due to urban green? Assessment of ecosystem services for well-being of residents in urban districts.
B10c-3	I. Kim	Visitors' perception of urban parks regarding cultural ecosystem services.
B10c-4	P. Olsson	Nature-based solutions and multiple ecosystem services in urban environment.
B10c-5	N. Saidi C. Spray	Green is the new Grey: Planning our Open Spaces for Bundles of Benefits.
B10c-6	D. Sikorska	Formal and informal green spaces as a source of recreational ecosystem services in cities – management implications.

General Working Groups (G)

G1 - Impact Assessment of Nature-based solutions.

ID	Name	Title of the Presentation
G1-1	C. Accastello	GreenRisk4Alps: monetary evaluation of ecosystem-based solutions for the development of risk management strategies in the Alpine Space.
G1-2	J. Almenar B. Rugani	Identifying cause-effect links between nature-based solutions, ecosystem services and urban challenges to enhance the assessment of NBS.
G1-3	J. Andrade C. Barriocanal	Management for the Conservation of the High Andean ecosystems of the Macizo del Cajas Biosphere Reserve (Ecuador) as environmental service producers.
G1-4	A. Rabemananjara	Impact of the increase in the price of cash products on ecosystem services and the well-being of the population of forest areas in north-east Madagascar.
G1-5	D. Nayak	Recreational Services in Valuating and Conserving the Bhitarkanika Wildlife Sanctuary, India.

G2 - Young Ecosystem Services Specialists session Peer learning for enhanced ecosystem services research.

ID	Name	Title of the Presentation
G2-1	H. Jäger L.E. Vigl	Biomass Production from Alpine Grassland - An Ecosystem Service Mapping integrating the A1B emission scenario in the European Alpine Space.
G2-2	O. Selomane M. Tobar	The IPBES Fellowship Programme: enhancing the role of early career researchers in science-policy processes towards global sustainability.

G3 - Ecosystem services supply and demand why social-ecological dynamics matter.

ID	Name	Title of the Presentation
G3-1	J. Breyne	Socio-cultural values for ecosystem services as a mediation approach for conflicting ES's demand and supply sides; the case of ecotourism in the Ardenne forests.
G3-2	R. Martin	Modelling aquatic ecosystem services over time – learning from time lags in shallow lake restoration.
G3-3	R. Martins M. Partidário	Policies for Ecosystem Services in rural areas to stimulate skilled in-migration.
G3-4	J. Roces-Diaz	Exploring the relationship between supply and demand of ecosystem services in agroforestry landscapes of Europe.
G3-5	H. Sagie	Perceptions of ecosystem services in a complex social-ecological Mediterranean Biosphere Reserve.
G3-6	L. Solé- Figueras	Ecosystem Services and cruise ship tourism in Barcelona.

Sectoral Working Groups (S)

S1 - Ecosystem service multifunctionality in agroecosystems can we soften biophysical and social tradeoffs.

ID	Name	Title of the Presentation
S1-1	C. Bustany	Sensitivity to spatial information of four soil ecosystem services in a small agricultural catchment.
S1-2	M. Fereshteh	Mainstreaming the global environment and economic valuation of ecosystem goods and services for strengthening environmental assessment in Iran.
S1-3	K. Krauze R. Włodarczyk- Marciniak	Is multifunctionality possible in agroecosystems? Applying cascading threshold approach to understanding the future of agricultural landscapes in Central Europe.
S1-4	I. Meyer F. Sinabell	The role of the agricultural sector for water pollution control: an analysis of socio-economic structure, policies, and practices in the Danube River Basin.
S1-5	A. Robert	Cultural services provided by agroecosystems: opportunity or source of conflicts? Examples in the Loire valley vineyard (France).
S1-6	S. Rochefort	Urban farms in Geneva, Switzerland: quantification and evaluation of ecosystem services rendered.
S1-7	D.A. Teigiserova	Circular bioeconomy: building resilience with food waste based biorefineries.

S5- Promoting sustainability through water-related concepts, approaches and tools for quantifying ES.

ID	Name	Title of the Presentation
S5-1	A. Schlattmann	Water use sustainability assessments – a review of concepts addressing quantitative water issues in support of the Sustainable Development Goals (SDGs).

Thematic Working Groups (T)

T2b- Linking land management and biodiversity change to ecosystem services.

ID	Name	Title of the Presentation
S5-1	C. Fischer	Exploratories for large-scale and long-term functional biodiversity research.
S5-2	W. Rodrigues C. Rezende	Biodiversity conservation: opportunities and challenges of implementing payment for environmental services in the scope of the Tax on the Circulation of Goods and Services (ICMS Ecological), Tocantins, Brazil.

T3- Ecosystem service indicators to assess social-ecological systems.

ID	Name	Title of the Presentation
T3-1	Z. Libiete A. Bardule	Price and flows of non-wood forest products in the retail market in 2017 in Latvia.
T3-2	I. Paulina	Forest ecosystems and their elements as inspiration for art.

T3-3	J. Spangenberg	Ecosystem Services, NCP, Planetary Boundaries, Degrowth & Sufficiency: Integrating the concepts.
T3-4	K. Kuhn B. Steinhoff- Knopp B. Burkhard	An approach for the indication and evaluation of soil-related ecosystem services based on soil properties and processes.

T4a- Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States.

ID	Name	Title of the Presentation
T4a-1	J. Abidtrup	Recreational ecosystem services in decision-making: The case of French forests.
T4a-2	I. Ametzaga	Identifying Green Infrastructure as a Basis for an Incentive Mechanism at the Municipality Level in Biscay (Basque Country).
T4a-3	A. Carrasco	The influence of sediment availability to coastal ecosystem services provision.
T4a-4	J. Donis D. Volkinstein	What lies at the core? - Understanding the cultural patterns defining the extraction and use habits of non-wood forest products in Latvia for better planning of multi-purpose forestry.
T4a-5	D. Jorda V. Acuña	Impact and mitigation of global change on freshwater-related ecosystem services in Southern Europe.
T4a-6	I. Kokkoris	Ecosystem services as a tool for policy support and decision making: an exploratory assessment in a protected mountainous lake (Stymfalia, Greece).
T4a-7	L. Ma	Mapping and comparing ecosystem service indicators of global climate regulation in Schleswig-Holstein, northern Germany.
T4a-8	T. Marsoner	Assessing multi-functionality of forest ecosystems in the Alps: An ecosystem service approach.
T4a-9	P. Rendon	Assessment of the relationships between agroecosystem condition and soil erosion regulating ecosystem service in Northern Germany.
T4a-10	L. Santona S. Lai	Natural Capital and Ecosystem Services as tools to support decision-making processes. The case of the GIREPAM project.
T4a-12	I. Sieber B. Burkhard	Going Overseas: Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Outermost Regions and Overseas Countries and Territories.
T4a-13	A. Tiemann	Challenges and opportunities of aligning forest function mapping and the ecosystem service concept in Germany.
T4a-14	L. Tardieu	Preserving natural habitat quality and/or recreational attractiveness? Spatial tools for management planning.
T4a-15	A. Vari I. Arany	The Hungarian Ecosystem Services Assessment - integrating aspects of a national MAES.

T4b- Less is more or the more the better Dealing with simplification and uncertainties in ES mapping.

ID	Name	Title of the Presentation
T4b-1	M. Bekchanova A. Van Amstel	Mapping cultural ecosystem services in different landscapes through the perception of tourists in Ugam Chatkal National Nature Park, Uzbekistan.
T4b-2	A. Japelj S. Vurunić	Mapping and assessment of ecosystem services in Slovenian Primorsko-notranjska statistical region (AlpES project).
T4b-3	T. M. Sitotaw	Assessing ecosystem services from changing natural and cultural landscapes in Lake Tana Basin, Ethiopia.

T5a- Models for integrated ecosystem services assessments and future scenarios.

ID	Name	Title of the Presentation
T5a-1	E. Kosatica G. M Nooruddin	A conceptual framework to analyze ecosystem services with a physically based eco-hydrological model SWAT.
T5a-2	L. P. Lopez	Implementation of compensatory measures using a model based on ecosystem services.

T5a-3	P. Nikolov	Flood regulating ecosystem services – mapping and assessment tool based on ArcSWAT output data.
T5a-4	M. Riviere S. Caurla	Integrating non-timber objectives into bio-economic models of the forest sector: a review of recent innovations and current shortcomings.
T5a-5	B. Rugani	Pricing ecosystem services at global scale using a production function.
T5a-6	D. Salt A. Gimona	Prototyping ecosystem services modelling in the cloud using the InVEST modelling suite.
T5a-7	D. Xu	Assessing the Impact of Desertification Dynamics on Regional Ecosystem Service Value in North China from 1981 to 2010.

T6c- Justice, distribution, conflicts and power relations in ESS definition and assessment.

ID	Name	Title of the Presentation
T6c-1	C. Aznarez	Social distribution and valuation of ecosystem services in the Maldonado River wetland, Uruguay.
T6c-2	S. Raum	Reasons for Adoption and Advocacy of the Ecosystem Services Concept in UK Forestry.
T6c-3	J. Simila A. Heiskanen	Ecosystem services approach and ecological compensations as tools for sustainable 'Blue Growth'.

T8- Making the intangible tangible Using social media data to assess cultural ecosystem services.

ID	Name	Title of the Presentation
T8-1	L. Haydutov	Ethnobotanical approach to identification of cultural ecosystem services in mountain regions in Bulgaria.
T8-2	R. Jaligot	Assessment of cultural ecosystem services in Switzerland using participatory mapping.
T8-3	D. Kaisová	Overview of methods and tools for assessing cultural ecosystem services (example of Slovakia and selected Central European countries).
T8-4	H. Kwon I. Kim	Analysis on social media data on urban open spaces regarding supply of cultural ecosystem services.
T8-5	M. Suarez	Where do people look when they walk?: Exploring the cultural services of the socio-ecosystem "Huerta de Murcia" (southeast Spain).

T9- Ecosystem Services and Human Health.

ID	Name	Title of the Presentation
T9-1	S. Daniels	Nature-based solutions for burnout prevention.
T9-2	M. G. Llorente I. P. Ramirez	Connecting human wellbeing with nature through agricultural activities.

T10a- How to deal with ecosystem services trade-offs and conflicts (participatory workshop).

ID	Name	Title of the Presentation
T10a-1	C. Gapinski	River restoration using deadwood: Does the use of quantified and monetized ecosystem service representations increase the broad public's acceptance for the measures?

T10b- Towards multifunctional landscapes – assessing and governing synergies between biodiversity conservation and ecosystem service.

ID	Name	Title of the Presentation
T10b-1	I. Arany	Ecosystem services as driving force of local sustainable development - introduction to the Eco Karst project.
T10b-2	M. Bastos	High-risk Water Pollution Threatening Marine Ecosystems: Approaches towards an Economic Assessment of Regional Strategies.
T10b-3	S. Lai F. Leone	A spatial approach to identifying a regional multifunctional green infrastructure. A case study from Sardinia, Italy.

T10b-4	L. Ma	Linkage between Gross Primary Production and Net Primary Production in Schleswig-Holstein, Northern Germany.
T10b-5	P. Méndez	Continuous improvement of the science-policy interface for ecosystem services and biodiversity conservation in multifunctional coastal landscapes ruled by rigid institutional regimes – The case of Doñana.
T10b-6	Y. Ren	Two complementary proxies for mapping broad-scale biodiversity patterns and their spatial relationship with geodiversity.
T10b-7	A. Vari	Planning and implementing ES assessment methods for protected karstic areas.

T11- Telecoupling through global and interregional flows of ecosystem services.

ID	Name	Title of the Presentation
T11-1	L. M. Fiho	Valuating the impacts of sea level rise on coastal ecosystem services and values along the portuguese coastal area: a meta-analysis approach.

T14a- Ways of embedding the concept of ecosystem services into decision making processes for better agricultural land management.

ID	Name	Title of the Presentation
T14a-1	L. Jones	From natural capital to wellbeing: a robust approach for developing evidence-based logic chains.
T14a-2	T. Schmitt	Farmers' decision making and (sub-) alpine grassland Ecosystem Services: an agent-based modelling approach.

T14c- Ecosystem services and adaptation to global change.

ID	Name	Title of the Presentation
T14c-1	I. Kim H. Kwon	Identification of environmental land use conflicts with regard to trade-offs between ecosystem services in agricultural watersheds.
T14c-2	I. Liekens	Calculate the benefits of green-blue space and the trade-offs made in your scenario with the new spatially explicit version of the Nature Value explorer.
T14c-3	M. Paulin	Approaches for the ecological, economic, and social assessment of ecosystem services.
T14c-4	D. Rozas-Vásquez	Integration of ecosystem services across multiple scales of spatial planning: The role of strategic environmental assessment.

T17- Combining accounting structures with ecosystem services biophysical models, valuation techniques and policy uses.

ID	Name	Title of the Presentation
T17-1	Y. Cui Y. Gao	Determining the ecological compensation standards of farmland fertilizer reduction programs for intensive agricultural production areas in Huantai County, China.
T17-2	M. Sylla	Ecosystem services and benefits in the context of environmental-economic accounting.

T18b- Governing the trade-offs of peri-urban ecosystem services.

ID	Name	Title of the Presentation
T18b-1	D. Ortiz C. Barriocanal	Urban roundabouts as providers of ecosystem services: a case study on a new road of Barcelona metropolitan area.

T18c- Implementing Ecosystem Services in policy at national scale.

ID	Name	Title of the Presentation
T18c-1	S. Raum	The concept of ecosystem services and established forestry policy in the UK.
T18c-2	L. Trokanova	LIFE supports EU's ecosystem services.
T18c-3	N. Witters S. Daniels	Evaluation of the socio-economic impact of 2 running LIFE+ projects on ecosystem services.

Appendix III: Timetable and room overview

Monday (15 October)		Room
13:00–15:00	Welcome and Opening Ceremony	1–2
15:30–17:00	ESP Member Session	Chamber Hall
17:00–18:30	Poster Session & Drinks	Banquet Hall

Tuesday (16 October)		Room
08:30	Opening/ Welcome by the chair	1–2
08:45–10:15	B1b – Operationalizing ecosystem services in support of ecosystem-based marine spatial planning	C
	B3 – Forests for Water: Scientific evidence and economic mechanisms for encouraging ecosystem service provision	9
	B10c – Implementation of the ecosystem services concept for urban planning and development	1–2
	S1 – Ecosystem service multifunctionality in agroecosystems: can we soften biophysical and social tradeoffs?	4
	S5 – Promoting sustainability through water-related concepts, approaches and tools for quantifying	5
	T4a – Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States	3
	T6c – Justice, distribution, conflicts and power relations in ESS definition and assessment	6
11:30–13:00	T10b – Towards multifunctional landscapes – assessing and governing synergies between biodiversity conservation and ecosystem services	7
	B1b – Operationalizing ecosystem services in support of ecosystem-based marine spatial planning	C
	B3 – Forests for Water: Scientific evidence and economic mechanisms for encouraging ecosystem service provision	9
	B10c – Implementation of the ecosystem services concept for urban planning and development	1–2
	S1 – Ecosystem service multifunctionality in agroecosystems: can we soften biophysical and social tradeoffs?	4
	S5 – Promoting sustainability through water-related concepts, approaches and tools for quantifying	5

	Tuesday (16 October)	Room
	T4a – Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States	3
	T6c – Justice, distribution, conflicts and power relations in ESS definition and assessment	6
	T10b – Towards multifunctional landscapes – assessing and governing synergies between biodiversity conservation and ecosystem services	7
14:30– 16:00	B1b –Operationalizing ecosystem services in support of ecosystem–based marine spatial planning	C
	B10c – Implementation of the ecosystem services concept for urban planning and development	1–2
	G1 – Impact Assessment of Nature–based solutions	4
	T2a – Integrating biodiversity and ecosystem services in ecosystem–based management of aquatic systems	5
	T4a – Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States	3
	T6d – Uncertainties in ecosystem service measurement and valuation	7
	T14b – Ecosystem services and adaptation to global change	6
	T18c – Implementing Ecosystem Services in policy at National scale	9
14:30– 16:00	B1b –Operationalizing ecosystem services in support of ecosystem–based marine spatial planning	C
	B10c – Implementation of the ecosystem services concept for urban planning and development	1–2
	G1 – Impact Assessment of Nature–based solutions	4
	T2a – Integrating biodiversity and ecosystem services in ecosystem–based management of aquatic systems	5
	T4a – Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States	3
	T6d – Uncertainties in ecosystem service measurement and valuation	7
	T14b – Ecosystem services and adaptation to global change	6
	T18c – Implementing Ecosystem Services in policy at National scale	9
16:30– 18:00	B10c – Implementation of the ecosystem services concept for urban planning and development	1–2
	G1 – Impact Assessment of Nature–based solutions	4
	G2 – Young Ecosystem Services Specialists session Peer learning for enhanced ecosystem services research	C
	T2a – Integrating biodiversity and ecosystem services in ecosystem–based management of aquatic systems	5
	T4a – Mapping and Assessment of Ecosystems and their Services for Policy and Decision Making in EU Member States	3
	T14b – Ecosystem services and adaptation to global change	6
	T17 – Combining accounting structures with ecosystem services: biophysical models, valuation techniques, and policy uses	7
	T18c – Implementing Ecosystem Services in policy at National scale	9

Wednesday (17 October)		Room
08:45– 10:15	B2b – Assessing Ecosystem Services and their Trade-offs towards an Integrated River and Floodplain Management – The RESI (River Ecosystem Service Index)	3
	B5 – Predicting the provision and demand of ecosystem services under global change in Mediterranean systems	9
	B10a – Just green cities – Adding dimensions of justice to urban ecosystem service assessments	4
	B10c – Implementation of the ecosystem services concept for urban planning and development	C
	T5b – Addressing ecosystem services modelling bottlenecks through simple to complex models: The ARIES approach	6
	T6b – Database for benefit transfer	7
	T18a – What happened to the silver bullet – big promises and real world performances? Taking stock of a decade of empirical Payments for Ecosystem Services research around the world	5
09:00– 10:15	T3 – Ecosystem service indicators to assess social-ecological systems	1–2
10:45– 13:00	B2b – Assessing Ecosystem Services and their Trade-offs towards an Integrated River and Floodplain Management – The RESI (River Ecosystem Service Index)	3
	B5 – Predicting the provision and demand of ecosystem services under global change in Mediterranean systems	9
	B8 – Gaining height: Mountain social-ecological systems as sentinels of change	6
	B10a – Just green cities – Adding dimensions of justice to urban ecosystem service assessments	4
	T3 – Ecosystem service indicators to assess social-ecological systems	1–2
	T10a – How to deal with Ecosystem Services trade-offs and conflicts?	7
	T14a – Ways of embedding the concept of ecosystem services into decision making processes for better agricultural land management	C
T18a – What happened to the silver bullet – big promises and real world performances? Taking stock of a decade of empirical Payments for Ecosystem Services research around the world	5	
Thursday (18 October)		Room
08:45– 10:15	B1a – Marine and coastal ecosystem service mapping and modelling: moving beyond land-based adaptations	5
	B9 – Agro-biodiversity and ecosystem services at work to meet the SDGs	4
	B10b – Urban agriculture and ecosystem services	7
	T2b – Linking land management and biodiversity change to ecosystem services	C
	T5a – Models for integrated ecosystem services assessments and future scenarios	1–2
	T11 – Telecoupling through global and interregional flows of ecosystem services	9
	T14c – Bottlenecks and opportunities for applying ecosystem services in spatial planning	3
11:30–	O2 – ESP Business-Science collaboration session: 'Making Ecosystem Services work in Corporate Action: Increasing Impact, Unlocking Opportunity and Driving Innovation'	6
	B1a – Marine and coastal ecosystem service mapping and modelling:	5

	Thursday (18 October)	Room
13:00	moving beyond land-based adaptations	
	B9 – Agro-biodiversity and ecosystem services at work to meet the SDGs	4
	B10b – Urban agriculture and ecosystem services	7
	T2b – Linking land management and biodiversity change to ecosystem services	C
	T5a – Models for integrated ecosystem services assessments and future scenarios	1–2
	T14c – Bottlenecks and opportunities for applying ecosystem services in spatial planning	3
	T18b –Governing the trade-offs of peri-urban ecosystem services	9
	O2 – ESP Business–Science collaboration session: ‘Making Ecosystem Services work in Corporate Action: Increasing Impact, Unlocking Opportunity and Driving Innovation’	6
14:30– 16:00	G3 – Ecosystem services supply and demand why social-ecological dynamics matter	4
	T2b – Linking land management and biodiversity change to ecosystem services	C
	T4b – Less is more or the more the better? Dealing with simplification and uncertainties in ES mapping	5
	T5a – Models for integrated ecosystem services assessments and future scenarios	1–2
	T8 – Making the intangible tangible: Using social media data to assess cultural ecosystem services	6
	T9 – Ecosystems services and Human health	7
	T14c – Bottlenecks and opportunities for applying ecosystem services in spatial planning	3
	T18b –Governing the trade-offs of peri-urban ecosystem services	9
16:00– 18:00	B2c – Recovery of ecosystem services in restored aquatic systems	3
	G3 – Ecosystem services supply and demand why social-ecological dynamics matter	4
	T4b – Less is more or the more the better? Dealing with simplification and uncertainties in ES mapping	5
	T5a – Models for integrated ecosystem services assessments and future scenarios	1–2
	T6a – The IPBES experience – advancing ES thinking	7
	T8 – Making the intangible tangible: Using social media data to assess cultural ecosystem services	6
	T18b –Governing the trade-offs of peri-urban ecosystem services	9

Friday (19 October)		Room
08:45– 10:15	O3 ESMERALDA session	1-2
	S10 – Circular (bio-)economy (Room 3)	3
	IPBES syntheses session	4
	BWG1 ESP Marine Working Group meeting	5
10:45– 12:00	–Young Ecosystem Services Scientists reflection –Panel discussion –Feedback from sessions	1-2
12:00– 12:45	Keynote speaker Jakub Wejchert	1-2
12:45– 13:30	Awards & Closing ceremony	1-2



We thank all the people of the Organising Committee who have made this conference possible, and gratefully acknowledge the financial support of the Basque Government, Regional Council, Basque Water Agency (URA), Kursaal Conference Center and Donostia-San Sebastián Turismo & Convention Bureau, Elsevier Publishers and Pensoft Publishers.

© Copyright Foundation for Sustainable Development (FSD) 2018

www.espcconference.org/eu2018
www.es-partnership.org

