4th ESP EUROPE CONFERENCE 2022

HERAKLION, GREECE

10-14 OCTOBER

PROGRAM BOOKLET

ESP
Ecosystem Services Partnership

HAROKOPIO UNIVERSITY
GEOGRAPHY DEPARTMENT

UNIVERSITY OF PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

Colofon

Citation

Ingabire D., De Groot, R.S, Drakou E. G., Konovska I. (2022). Program booklet ESP Europe Conference 2022, Heraklion, Greece. Foundation for Sustainable Development, Wageningen, The Netherlands.

Thank you

We would like to thank the conference organizing committee, partners, and sponsors for their support and dedication to making this conference happen.

Important phone numbers

Greece country code: +30

For emergency dial: 112

Published by

Foundation for Sustainable Development

PO Box 570

6700 AN Wageningen

The Netherlands

E-mail: conference@es-partnership.org

Website: www.fsd.nl
www.es-partnership.org
https://www.espconference.org/europe22

Cover Design

Daan Reith

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Welcome to the 4th Ecosystem Services Partnership (ESP) European Conference 2022 in Heraklion!

Welcome on behalf of the local organisers!

The Ecosystem Services Partnership has successfully organised numerous World and Regional ESP Conferences since its launch in 2008. The last couple of years with the covid pandemic have shaped conferences and scientific meetings differently, offering opportunities and higher accessibility, but also posing limitations to this interactive setup. This year we have the opportunity to still participate remotely, but also to finally get together in Heraklion, in the island of Crete in Greece.

The location of the conference was selected since islands are indeed places with unique biophysical and socio-economic characteristics, but also with a higher vulnerability to changes, whether these relate to climatic conditions or social cohesion. Under the past and ongoing crises, from the humanitarian, economic, to the Covid pandemic, these spaces developed different resilience mechanisms to connect with nature and overcome these crises. All this came to serve also the conference theme, which aims to highlight the way in which ***"Ecosystem services empower people and societies in times of crises".*** To serve this theme, we shaped the Conference under four research streams. Within the four days of the conference we will focus on understanding the different values of nature (Stream 1), while understanding how we can make use of this knowledge to induce transformative change (Stream 2). We will also foster discussions on how we can design and promote change towards a desirable future of social ecological-systems by thinking out of the box (Stream 3) and how research on ecosystem services can be better embedded in education and awareness raising strategies (Stream 4).

These streams are served by the prepared program which has 40 sessions organized by the different ESP Working Groups, a two-day poster session for both online and on-site participants and various field trips across different social-ecological systems around Heraklion. The five key note presentations by invited speakers, are intended to both cover the research streams, but also to bring in new ideas and alternative ways of thinking within the ESP community. The conference is also supported by an artist who will act as an observer to the conference and summarize the conference outputs in a graphical way, with the intention to generate outreach within a broader audience.

We are reducing our environmental footprint during this Conference by, for instance, using a sustainability-certified venue, serving regionally produced food at the Conference dinner, avoiding printed Conference material by using a mobile App and offering the possibility to participate in a carbon compensation scheme. In order to be family-friendly and enable young parents to enjoy the Conference, childcare is offered.

We thank especially the local/national Conference Organising Committee consisting of representatives from the University of Patras and the Geography Department of Harokopio University, which provided substantial financial and organizational support to the Conference. A special thanks to the LIFE-IP 4 Natura project, the Natural Environment & Climate Change Agency of Greece, the LIFE-IP Pandoteira project, and the Region of Crete for their financial support. Further Conference sponsors include the Pensoft Publishers, Elsevier Publishers and the Land and Sustainability MDPI journals.

We hope that you enjoy the Conference, and we wish you a successful, inspiring and pleasant stay in Heraklion during the 4th ESP European Conference.

Prof. Dr. Panayotis Dimopoulos
Conference Chair
Department of Biology,
University of Patras

Assist Prof. Dr. Evangelia Drakou
Conference Co-chair
Department of Geography,
Harokopio University of Athens

Dr. Ioannis P. Kokkoris
Conference Co-chair
Department of Biology,
University of Patras

Welcome on behalf of the Ecosystem Services Partnership (ESP)

After the 1st ESP Europe Conference in Antwerp, Belgium (2016), the 2nd in San Sebastian, Spain (2018), and the 3rd in Tartu, Estonia (2021) we are continuing our European journey in `space and time`in Greece. Actually, the really first `official` ESP Europe Conference was organised in Wageningen, the Netherlands in 2011 which marked the beginning of a long series of World and Regional Conferences. The seeds for ESP were planted in Kiel, Germany, in 2008, then given a bit of water in 2009 (in Lecce, Italy), started to grow in 2010 (Salzau, Germany), and was officially established in 2011 with the creation of the first Executive Committee during the ESP Conference in the Netherlands (a little history for the newcomers among us).

ESP thus has strong roots in Europe which is naturally reflected in the distribution of participants to this Conference: of the 49 countries that are thus far represented by the registered participants, 32 are from Europe. After two years of online and hybrid meetings (in Estonia 88% of the 460 participants took part virtually), we are very pleased to finally meet in person again here in Greece: of the 376 registered participants thus far, 75% are on-site (almost the reverse of the situation in Estonia last year).

Although the Covid pandemic is hopefully finally receding, many other environmental and social problems currently seem to get only worse, most tragically of course the invasion of Ukraine by Russian troops. As ESP we can only condemn this senseless violence, which causes dramatic losses of human lives as well as precious natural and cultural heritage. We are doing our best to continue our quest for a more just and safe world by expanding our knowledge on the many ways in which people and society depend on ecosystems and `make nature count` in every-day decision making: we need fundamental changes in our economic system if we want to stop ecosystem degradation and loss of biodiversity, which directly and indirectly is related to many of the other main crises in this world such as climate change and social disruption.

Two encouraging signs that this message is increasingly being heard are the acceptance by the UN Statistical Commission to expand the SEEA to include Ecosystem Services in national accounts in March last year (Ecosystem Accounting | System of Environmental Economic Accounting) and in the press release on the new Nature Restoration law in Europe (22 June 2022), where it was acknowledged that for every € 1 we invest in ecosystem restoration, we get a return of between € 8 – 38 from the benefits healthy ecosystems provide. These developments and calls for action show that ESP is needed more than ever as an independent, global community bringing together scientists, practitioners, business and policy makers to discuss how the ES-concept can continue to contribute to provide sustainable solutions to address the many environmental and social crises we are facing today.

To further enhance the science and uptake of scientific evidence in public and private sector decision making the European Union increasingly supports large collaborative research projects on ecosystem services, many of which are conceived during ESP conferences and in ESP Working Groups. A recent example of this is the start last month of the 5-year EU Horizon project SELINA: Science for Evidence-based and Sustainable decisions about Natural Capital, in which many ESP members and the ESP Secretariat participate. Another important milestone is the 10-year existence of the Journal *Ecosystem Services* which came forth from the early ESP conferences in 2010 and 2011. Shortly after its launch in 2012 it became the main global outlet for papers on ES science, policy and practice.

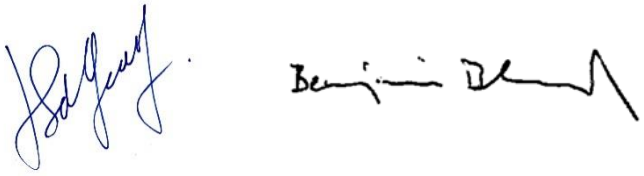
Next to doing research and publishing papers ESP wants to stimulate the public debate on how the ES concept can help to `make a difference` and empower people and societies to address the many environmental, social and economic challenges we face today. This will be discussed here in Heraklion during five keynotes and many (around 40) sessions and other events, all coming together during an engaging reflection-session on the last day focusing on four main questions: understanding nature´s values, using ES-science for transformative change and designing a desirable future, and embedding ecosystem services in education and awareness raising strategies.

A very important part of the value of a conference experience lies in the networking and socializing activities. This is best done in `real life`, but the online platform we use (Let's Get Digital) also includes interactive features and offers options to connect with speakers, scheduling one-on-one or group

meetings and more. and more. The conference mobile app will also help onsite and online participants find their way around the event and connect with each other.

Organising an ESP Conference is always a lot of work, especially in a hybrid format, and we are very grateful to the local Conference Organising Committee (Evangelia Drakou, Panayotis Dimopoulos, Ioannis Kokkoris and their team and volunteers). Special thanks to Diane Ingabire and Iskra Konovska of the ESP Secretariat for their hard work over the past months, supported during the last hectic weeks by among others Victoria Guisado-Goni and Olav de Bruijn. Also many thanks to the members of the Scientific Program Committee and the International Advisory Committee for their help and advice. We are also grateful to the sponsors for their financial and other support, which is acknowledged in more detail elsewhere in this booklet.

We hope you will enjoy the Conference and make the most out of this time together: ESP Conferences are meant to be an open and informal space for old and new colleagues and friends, coming together to share their passion for enhancing the science, policy and practical applications of the ES concept for a more healthy and sustainable planet!



Rudolf de Groot and Benjamin Burkhard
Chair ESP Co-Chair ESP

Organisation

Conference Organising Committee (COC)

Co-chairs

- Panayotis Dimopoulos - University of Patras, Greece - Conference chair
- Evangelia Drakou - Harokopio University of Athens, Greece - Conference co-chair
- Ioannis P. Kokkoris - University of Patras, Greece - Conference co-chair
- Rudolf de Groot - Ecosystem Services Partnership - Conference co-chair

ESP Conference Support: Local Organising Committee (LOC) and ESP Secretariat

- Evangelia Drakou, Harokopio University of Athens, Greece
- Rudolf de Groot - Foundation for Sustainable Development
- Diane Ingabire-Foundation for Sustainable Development/ESP Secretariat
- Iskra Konovska–Foundation for Sustainable Development/ESP Secretariat

Scientific Program Committee (SPC)

- Evangelia Drakou - Harokopio University of Athens, Greece - chair
- Panayotis Dimopoulos - University of Patras, Greece – Co-chair
- Ioannis P. Kokkoris - University of Patras, Greece - Conference co-chair - Co-chair
- Rudolf de Groot - Ecosystem Services Partnership - Co-chair

Members:

- Christian Albert - Leibniz University Hannover, Germany
- Jeroen Arends - SEEDEV, Serbia
- Benjamin Burkhard - Leibniz University Hannover, Germany
- Charis Chalkiadakis (YESS) - University of Twente, Netherlands
- Marcello Hernandez - Consultant, Costa Rica
- Luis Inostroza - Bochum University, Germany
- Nina Kaiser - University Duisburg-Essen & University of Applied Science Trier, Germany
- Roxanne Lorilla (YESS) - National Observatory of Athens, Greece
- Simon Moolenaar - Commonland, Netherlands
- Stoyan Nedkov - Bulgarian Academy of Sciences, Bulgaria
- Fernando Santos-Martin - Autonomous University of Madrid, Spain
- Joachim Spangenberg - Sustainable Europe Research Institute SERI Germany
- Wieteke Willemen - University of Twente, Netherlands

International Advisory Committee

- Ioannis Mitsopoulos - Natural Environment & Climate Change Agency, Greece
- Maria Tsiafouli - Aristotle University of Thessaloniki, Greece
- Ioannis Vogiatzakis - Open University, Cyprus
- Giorgos Alexakis - Region of Crete, Greece
- Apostolos Papadopoulos - Harokopio University, Greece
- Petros Katsafados - Harokopio University, Greece
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- Georgios Mallinis - Aristotle University of Thessaloniki, Greece
- Kallimanis Athanasios - Aristotle University of Thessaloniki, Greece
- Dimitrios Skuras - University of Patras, Greece
- Dimitrios Bormpoudakis, University of Kent, United Kingdom

Day-by-day schedule

Day 1: Monday 10 October

Pre-conference trainings:

- **10:00 - 17:30** JRC - Accounting for Ecosystem Services: theoretical basis and practical applications using the QGIS plug-in INCA tools **(Room: Phaedra I)**
- **10:00 - 12:30** PD Dr. Luis Inostroza - The editor's guide on successful publishing **(Room: Phaedra II)**

- **09:00 - 16:00** Pre-conference registration (*Main Hall*)
  Galaxy Hotel, 75 Dimokratias Av., 71306, Heraklion, Crete – Greece
- **17:30 - 18:00** Opening ceremony ***(Room: Plaza)***
  Panayotis Dimopoulos, University of Patras
  Giorgos Alexakis, responsible for Environment & Sustainability, Crete region
  Evangelia Drakou, Harokopio University of Athens
  Rudolf de Groot, Ecosystem Services Partnership
- **18:00-19:00** Keynote speaker *(Room: Plaza)*
  Mary Yannakoulia (Harokopio University) - ***The Mediterranean Diet: a nutritional, environmental, social and cultural value***
- **19:00** Welcome reception & entertainment with traditional music and dances from Crete
  Galaxy Hotel, 75 Dimokratias Av., 71306, Heraklion, Crete – Greece

Day 2: Tuesday 11 October

- **08:45 - 09:15** Registration
- **09:15 - 09:30** Opening ***(Room: Plaza)***
- **09:30 - 10:30** Keynote speaker ***(Room: Plaza)***
  Eszter Kelemen (ESSRG) - ***Why and how to engage marginalized communities in ecosystem services research? Care, justice, inclusion, and other considerations***
- **10:30 - 11:00** Coffee break
- **11:00 - 12:30** Parallel sessions

- B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems, E. Drakou, et al. ***(Room: Plaza)***
- S1b - Motivating contract design for the provision of ecosystem services and biodiversity in agriculture, B. Matzdorf, et al. ***(Room: Mezzo II)***
- S8c - Revealing the contribution of protected areas to human well-being through the lens of the ecosystem services concept, M. Šmid Hribar, et al. ***(Room: Hermes)***
- S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management, H. Freitas, et al. ***(Room: Phaedra I)***
- T14a - Integrative digital systems for planning and managing ecosystem services: State of the art and future prospects, S. Schmidt, et al. ***(Room: Phaedra II)***
- T17b - Moving forward in ecosystem services accounting: From the monetary valuation barrier to the mainstreaming into policy making, A. La Notte, et al. /T17c - Biophysical models for ecosystem accounting, L. Hein, et al. ***(Room: Park)***
- T18b - The effects of the Europe Union - Mercosur trade relations on biodiversity conservation and ecosystem services provision, A. Altmann, et al. ***(Room: Mezzo I)***

- T20a - Disentangling equity in ecosystem services, F. Benra, et al. ***(Room: Mezzo III)***

- **12:30 - 13:30** Lunch break
- **13:30 - 15:00** Parallel sessions

- B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems, E. Drakou, et al. ***(Room: Plaza)***
- S1a - Navigating Natural Capital and Inclusive Wealth for gaining sustainability and wellbeing for the farming community (businesses, supply chain and consumers), S. Martino, et al. ***(Room: Ballroom)***
- S5 - Beyond water: understanding the use and impacts of NBS for water management, J. Hack, et al. ***(Room: Mezzo III)***
- S8a - The role of Ecosystem Services as a tool for successful multilevel governance of protected areas, I. Mitsopoulos, et al. ***(Room: Mezzo II)***
- S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management, H. Freitas, et al. ***(Room: Phaedra I)***
- T13a - Linking ecosystem services and Nature-based Solutions for more resilient societies & nature, E. Cohen-Shacham, et al. ***(Room: Phaedra II)***
- T14c - Barriers and success factors for the application of ecosystem services in decision-making, M. Paulin, et al. ***(Room: Hermes)***
- T17b - Moving forward in ecosystem services accounting: From the monetary valuation barrier to the mainstreaming into policy making, A. La Notte, et al. /T17c - Biophysical models for ecosystem accounting, L. Hein, et al. ***(Room: Park)***

- **15:30 - 16:00** Coffee break
- **16:00 - 17:30** Parallel sessions

- B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems, E. Drakou, et al. ***(Room: Plaza)***
- S1b - Motivating contract design for the provision of ecosystem services and biodiversity in agriculture, B. Matzdorf, et al. ***(Room: Mezzo II)***
- S10 - Gearing up toward Urban Greening Plans to bring nature back in cities, L. Costadone, et al. ***(Room: Mezzo I)***
- T5b - Emerging research on current trends and future scenarios of the nature-water-food-health-climate nexus in the context of the IPBES Nexus Assessment, Z. Harmackova, et al. ***(Room: Phaedra I)***
- T13a - Linking ecosystem services and Nature-based Solutions for more resilient societies & nature, E. Cohen-Shacham, et al. ***(Room: Phaedra II)***
- T14c - Barriers and success factors for the application of ecosystem services in decision-making, M. Paulin, et al. ***(Room: Hermes)***
- T16a - Ecosystem service valuation to identify investment opportunities, risks, and stakeholders: Experiences from case studies, V. van `t Hoff, et al. ***(Room: Park)***
- T20a - Disentangling equity in ecosystem services, F. Benra, et al. ***(Room: Mezzo III)***

- **17:30 - 18:30** Poster session Part I. Online only (***Room: Phaedra I***)
- **17:30 - 18:30** ESP Forum (***Room: Phaedra II***)

Day 3: Wednesday 12 October

- **08:45 - 09:15** Registration
- **09:15 - 09:30** Opening (*Room: **Plaza***)
- **09:30 - 10:30** Keynote speakers (*Room: **Plaza**)*
    - **Esther Turnhout** (University of Twente) - ***Transforming ecosystem services research – Online talk***
- **10:30 – 11:00** Coffee break
- **11:00 – 13:00** Parallel sessions

- B10 - Designing Resilient Cities through Ecosystem Service Mapping, S. Salata, et al. ***(Room: Plaza)***
- T1 - Guidelines, tools and standards for integrated ecosystem services assessments, D. de Groot, et al. ***(Room: Park)***
- T3a - The operationalization of ecosystem services indicators: a matter of scale, data, purpose and end-users, R. S. Lorilla, et al. ***(Room: Phaedra II)***
- T3b - Ecological tipping points and societal transformation processes in social-ecological systems, S. Peter, et al. ***(Room: Mezzo III)***
- T4b - The power of ecosystem services maps for transformative change, B. Burkhard, et al. ***(Room: Hermes)***
- T8 - Landscape aesthetic and Cultural Ecosystem Services (CES), A. Tisma, et al. ***(Room: Mezzo II)***
- T17a - Ecosystem condition accounting: overcoming operational challenges, J. Babí Almenar, et al. ***(Room: Phaedra I)***

- **13:00 – 14:00** Lunch break
- **14:00 – 15:30** Poster session Part II. Onsite presentations (***Room: Ballroom***)
- **14:00 – 15:30** Market place (***Room: Ballroom***)
    - Economics of Land Degradation (ELD) Initiative – A new Decade for Action
    - FIDELIO (Forecasting Social Impacts of Biodiversity Conservation Policies in Europe): a 5-year research project funded by the European Research Council (2019-2024)
    - Ecosystems and People – an interdisciplinary and inclusive journal
    - Ecosystem Services Valuation Database (www.ESVD.info)

- **15:30 – 16:00** Coffee break
- **16:00 – 18:00** Parallel sessions
- B10 - Designing Resilient Cities through Ecosystem Service Mapping, S. Salata, et al. ***(Room: Plaza)***
- T1 - Guidelines, tools and standards for integrated ecosystem services assessments, D. de Groot, et al. ***(Room: Park)***
- T3a - The operationalization of ecosystem services indicators: a matter of scale, data, purpose and end-users, R. S. Lorilla, et al. ***(Room: Phaedra II)***
- T4b - The power of ecosystem services maps for transformative change, B. Burkhard, et al. ***(Room: Hermes)***
- T16b - Incentivizing tree-based solutions: PES schemes for engaging society and nature, C. Carvalho-Santos, et al. ***(Room: Mezzo II)***
- T17a - Ecosystem condition accounting: overcoming operational challenges, J. Babí Almenar, et al. ***(Room: Phaedra I)***
- T18c - Results-based approaches and other integrated models as drivers for ecological conservation and policy integration, G. Goggins ***(Room: Mezzo III)***

- **19:00 –** Conference dinner

The conference dinner will take place in the re-made traditional Cretan village of Arolithos on Wednesday, 12 October. Arolithos is 15 minutes' drive from the conference venue and all registered participants will be transferred there by bus.

Day 4: Thursday 13 October

- **08:45 – 09:15** Registration
- **09:15 – 09:30** Opening (***Room: Plaza***)
- **09:30 – 10:30** Keynote speaker ***(Room: Plaza)***
    - Roy Bendor (Delft University of Technology) – ***From the crisis of imagination to the more-than-human imaginaries***
- **10:30 – 11:00** Coffee break
- **11:00 – 12:30** Parallel sessions

- O1 - Ecosystem services research, practice and policy in Greece: current status and ways forward, E. Drakou, et al. ***(Room: Phaedra II)***
- O2 - Biodiversity and ecosystem services in South-East Europe: Research challenges and application issues towards a community of practice, S. Nedkov, et al. ***(Room: Phaedra I)***
- S6 T13b - Change the system: bridging the gap between ecosystem services science and the integration of natural capital approaches in business decision-making, J. Saunders, et al. ***(Room: Mezzo II)***
- T9 - Shaping Healthier Cities. Ecosystem Services and Health for a responsive human-nature relations, S. Salata, et al. ***(Room: Plaza)***
- T14b - Making local knowledge count: Co-design principles and practices for agri-environmental programmes, F. Turkelboom, et al. ***(Room: Park)***
- T19 - Novel approaches and co-creation of standard protocols for assessing cultural ecosystem services based on social media content, F. Calcagni, et al. ***(Room: Mezzo III)***
- T20b - Planning for equity and spatial justice in urban risk reduction through green and blue infrastructure ecosystem services (and disservices), V. Pappalardo ***(Room: Hermes)***

- **12:30 – 13:30** Lunch break
- **13:00 – Field trips**

  Four sites are selected for the field trips:

    - Anogeia – hiking to Psiloreitis park
    - Elounda – Plaka – Spinalonga island
    - Aposelemi water reservoir – Lasithi plateau
    - Lyrarakis Vineyards and Winery (short trip)

Day 5: Friday 14 October

- **08:45 – 09:15** Registration
- **09:15 – 09:30** Opening (***Room: Plaza***)
- **09:30 – 10:30** Keynote speaker (***Room: Plaza***)
    - Ana Vitoria de Magalhães (IOC-UNESCO): The role of literacy campaigns towards sustainability – the example of the Ocean Literacy
- **10:30 - 11:00** Coffee break
- **11:00 - 12:30** Parallel sessions

- B5 - Mediterranean Islands' Ecosystem Services, I. Vogiatzakis, et al. ***(Room: Phaedra I)***
- O3 - Novel contributions to ecosystem service research - from early-career researcher perspectives, M. Hänsel, et al. ***(Room: Phaedra II)***
- O4 - Open topic session ***(Room: Hermes)***
- T4a - National & large scale MAES projects in Europe - road towards policy uptake and implementation, A. Vari, et al. ***(Room: Plaza)***
- T5a - Ecosystem Services Modelling for Nature-based Solutions, B. De Knegt, et al. ***(Room: Mezzo III)***
- T18a - Policy and institutional analysis for ecosystem services provision – Conceptual, methodological and empirical inspirations of multi-level governance, C. Mann, et al. ***(Room: Park)***
- T19 - Novel approaches and co-creation of standard protocols for assessing cultural ecosystem services based on social media content, F. Calcagni, et al. ***(Room: Mezzo II)***

- **12:30 - 13:30** Lunch break
- **13:30 - 15:30** Parallel sessions

- B5 - Mediterranean Islands' Ecosystem Services, I. Vogiatzakis, et al. ***(Room: Phaedra I)***
- O3 - Novel contributions to ecosystem service research - from early-career researcher perspectives, M. Hänsel, et al. ***(Room: Phaedra II)***
- O4 - Open topic session ***(Room: Hermes)***
- T4a - National & large scale MAES projects in Europe - road towards policy uptake and implementation, A. Vari, et al. ***(Room: Plaza)***
- T5a - Ecosystem Services Modelling for Nature-based Solutions, B. De Knegt, et al. ***(Room: Mezzo III)***
- T18a - Policy and institutional analysis for ecosystem services provision – Conceptual, methodological and empirical inspirations of multi-level governance, C. Mann, et al. ***(Room: Park)***

- **15:30 - 16:00** Coffee break
- **16:00 - 17:00** Reflection on the conference research streams & panel discussion *(Room: **Plaza**)*
    - Moderation: **Evangelia Drakou** and **Rudolf de Groot**
    - Creative summary by: **Bas Köhler**

Short reflections on the Conference Streams:

- Ecosystem Services Values - **Benjamin Burkhard**
- Transformative Change - **Wieteke Willemen**
- The future we want - **Robert Costanza**
- Shaping our futures through education - **Luis Inostroza**
- Other - **Roxanne Suzette Lorilla**

Interactive plenary discussion

- **17:00 Rudolf de Groot**: The future we want: how do we get there?
- **17:15 – 17:30** Awards and closing ceremony

Digital platform

This is a hybrid event, meaning it will take place simultaneously in-person in Heraklion and online everywhere else. To make this happen we will once again rely on the digital platform Let's Get Digital which we used at the 3rd ESP Europe Conference last year in Tartu, Estonia.

All plenaries, sessions, posters and company booths will be accessible to the online attendees in real time. Plenaries and sessions will also be recorded and available on demand. The virtual event platform will be accessible to the on-site participants as well, should they wish to make use of it.

Conference app

To reduce printing and our CO2 footprint, the COC has decided to offer a conference app instead of a printed program booklet. This version of the program booklet will only be provided as a download on the conference website, in case you prefer all information in one file.

To access the ESP Europe Conference app, please go to your app store, download the app ‘ESP Europe 2022'. You can also download the app here or by scanning the QR code below:

After installing the app, you can:

- Access the event program and speakers list
- Create your own daily schedule that will guide your through the day
- Stay informed and receive the latest messages and news
- Connect with attendees, speakers and exhibitors (both onsite and online)
- Find more information about the organisers and sponsors
- Find more information about the venue, locations, conference dinner
- Take notes during sessions
- Rate the posters

After downloading the app, don’t forget to enable push notifications to stay up-to-date on the latest happenings and important news!

Market place

The following stands will be present at the market place on Wednesday:

1. Economics of Land Degradation (ELD) Initiative - A new Decade for Action
2. FIDELIO (Forecasting Social Impacts of Biodiversity Conservation Policies in Europe): a 5-year research project funded by the European Research Council (2019-2024) Natural Capital Singapore
3. Ecosystems and People - an interdisciplinary and inclusive journal
4. Ecosystem Services Valuation Database (www.esvd.info)

Conference awards

The poster session will be held on Tuesday, 11 October, from 17:30-18:30 for online presentations and on Wednesday, 12 October, from 13:30-15:30 for on-site presentations.

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.

The poster winner will be announced during the closing session on Friday 14 October.

Useful tips

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

- WiFi is freely available at the venues for the conference guests.
- If you would still like to join the field trip or conference dinner, please check on Monday and Tuesday at the information desk if there is still availability to sign up.
- When attending the field trip, please make sure to wear comfortable shoes. Make sure to check what to bring on the field trip page. Also, take any necessary personal medication.

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- Management plans
- Stakeholders

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One Ecosystem
Ecology and Sustainability Data Journal
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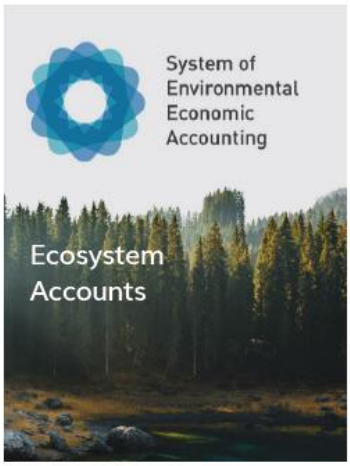

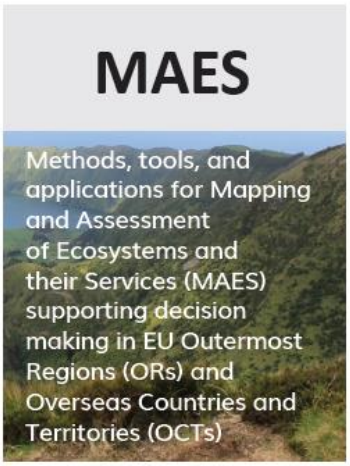

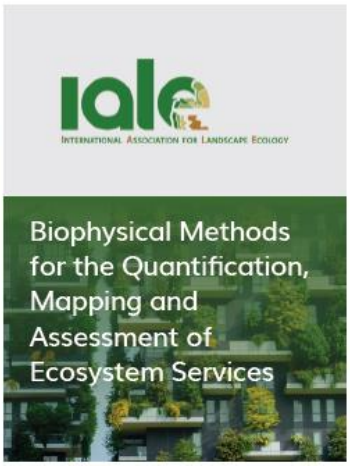

Editor-in-Chief:
Prof. Dr. Benjamin Burkhard,
Leibniz Universität Hannover

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Scopus
CiteScore 2021:
7.0

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.

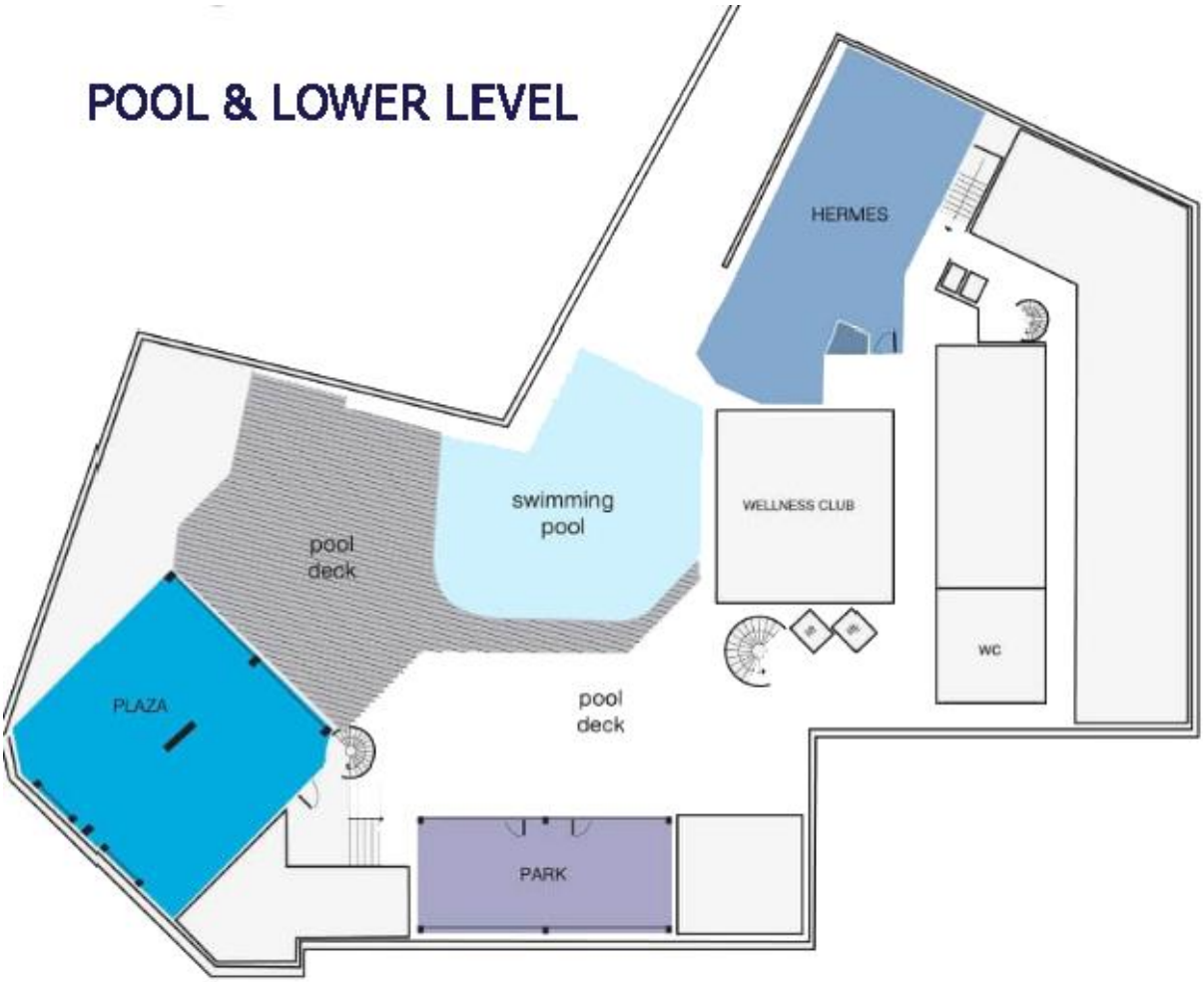
ESP connects over 3000 ecosystem services scientists, policy makers and practitioners who work together in more than 40 Working Groups and a growing number of National Networks on all continents. ESP is a membership based organisation, both institutional and individual members can subscribe. The Partnership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

The ESP Europe 2022 Regional Conference is part of the bi-annual cycle of ESP regional conferences around the globe.

ESP
Ecosystem Services Partnership

Floorplan

(also available in the mobile app)



Appendix I: Detailed session programs

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

The session programs are arranged per day:

Tuesday 11 October 2022

Morning
11:00-12:30

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

11:00 - 12:30 Tuesday, 11 October

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

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

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

11:00 - 12:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation
S8c-1	11:00		Introduction

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

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

11:00 - 12:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation
T17b-1	11:00	S. Lange	Challenges in Ecosystem Accounting: Solutions and lessons learned from EU member states
T17b-2	11:15	M. Sylla	Spatial implications of ecosystem accounting at the local scale in support of governance
T17b-3	11:30	A. Addamo	Marine accounting in the Mediterranean Sea
T17b-4	11:45	S. Oinonen	Piloting policy relevant ecosystem accounting of the Finnish freshwater ecosystems
T17b-5	12:00	A. Varukha	Assessing the damage and monetizing the losses done to ecosystem services due to the russian war in Ukraine: the need for methodology development
T17b-6	12:15	A. La Notte	Ecosystem Services accounts as source of data for Sustainable Development policies. From descriptive statistics to composite indicators to input variable for economic modelling

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

11:00 - 12:30 Tuesday, 11 October

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

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

T14a - Integrative digital systems for planning and managing ecosystem services: State of the art and future prospects

11:00 - 12:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation
T14A-1	11:00	S. Schmidt	Introduction of session
T14A-2	11:13	S. Christofilakos	Spatially-explicit Uncertainty of Remote Sensing Coastal Biodiversity Products using a scalable cloud-based framework in the Google Earth Engine.

T14A-3	11:26	I. Kong	Unstructured text analysis to understand landscape: current practice and future prospects
T14A-4	11:39	J. Wang	A heuristic typology of digital geoparticipation to mainstream ecosystem services management in spatial planning
T14A-5	11:52	C. Chen	Digital decision support systems for planning and managing with ecosystem services in agricultural landscape: use cases of nature conservation measures
T14A-6	12:05	M. Riffat	Urban biodiversity and ecosystem dashboards to inform planning and governance: a review of best practices
T14A-7	12:18	E. Zanetti	PNBSAE: Integrating Ecosystem Services into Products and Services Supply Chains

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

11:00 - 12:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation
S1b-1	11:00	B. Matzdorf	Introduction into the session
S1b-2	11:12	E. Kelemen	Assessing innovative agri-environmental contracts from the policy perspective. Lessons from a Delphi study
S1b-3	11:25	P. Castro	The willingness to change towards more ecosystem services'-friendly farming practices: what is missing?
S1b-4	11:38	M. Mehring	Visions for biodiversity – Acceptance of transformative biodiversity measures by agriculture and forestry: a case study from Germany
S1b-5	11:51	M. Zindler	How different practitioners would like to improve agri-environmental schemes: Suggestions from farmers and stakeholders involved in nature management
S1b-6	12:04	L. Madureira	Ecosystems services supply by agriculture: using choice experiments to estimate trade-offs between monetary and non-monetary incentives
S1b-7	12:17	E. Tyllianakis	A window into land managers' preferences for new forms of agri-environmental schemes: evidence from a post-Brexit analysis

T20a - Disentangling equity in ecosystem services

11:00 - 12:30 Tuesday, 11 October

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

Tuesday 11 October 2022

Afternoon
13:30-15:30

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

13:30 - 15:30 Tuesday, 11 October

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

	Time	**Name**	**Title of the Presentation**
B1-8	13:30	A. Reke	Sociocultural valuation of coastal cultural ecosystem services and their linkages to human well-being: case of Latvia and Estonia
B1-9	13:45	T. Lai	Measure multiple cultural service values and their linkage to ecosystem condition: an application of PGIS survey for ecosystem accounting
B1-10	14:00	E. Robbe	A scenario-based assessment and comparison of macrophyte ecosystems and their services in Southern Baltic lagoons
B1-11	14:15	S. Strake	The supply and value of nutrient regulation performed by habitats in the Latvian marine waters

B1-12	14:30	J. Cunha	Assessment of key areas of Regulation and Maintenance Ecosystem Services supply along a coastal – sea gradient.
B1-13	14:45	M. Montero Hidalgo	What are the current state and future perspectives of blue carbon and seagrass meadows in the Canary Islands?
B1-14	15:00	S. Campagne	Evidence on the impact of changes in marine and coastal ecosystems structure and functioning on the ecosystem services delivery
B1-15	15:15	N. Nagabhatla	Can Seaweed Aquaculture Industry fit the Nature Based (& Ecosystems Based) Solutions Discourse? Insights from GlobalSeaweedSTAR (2017-2021) Initiative

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

13:30 - 15:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation
T14C-1	13:30		Introduction
T14C-2	13.35	J. Daněk	Multistakeholder perspectives on barriers and potential success factors for implementation of the ecosystem services framework in the Czech Republic
T14C-3	13.45	A. Paula	Co-design solutions for rural areas' development based on agriculture and forestry Ecosystem Services framework
T14C-4	13.55	T. Lai	Co-creating Urban Ecosystem Accounting: a case study of Tampere, Finland
T14C-5	14.05	M. Haensel	Do grassland policies reflect grassland ecosystem services? Tracking 20 years of legal changes for the European Union, Germany, and the State of Bavaria.
T14C-6	14.15	S. Murgese	A scientifically-based cultural model of ecosystem services management for the definition of natural risk reduction and climate change adaptation policies.
T14C-7	14.25	A. Peršēvica	Assessment of ecosystem services in Latvia
T14C-8	14.35	M. Spyra	Governance and planning for reducing ecosystem services trade-offs in peri-urban landscapes
T14C-9	14.45	P. Posy	Achieving Coherence: Advancing ES considerations in understanding long term

			consequences of Freshwater restoration success
T14C-10	14.55	M. Paulin	Social cost-benefit analysis: Application of pressure drainage in the Alblasserwaard-Vijfheerenlanden, the Netherlands
T14C-11	15.05	A. La Notte	Ecosystem Services based approaches in Natural Capital Accounting - The experience of scaling down complexity without overlooking the key elements
T14C-12			Discussion

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

13:30 - 15:30 Tuesday, 11 October

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

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

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

13:30 - 15:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation

S8D-11	13:30	M. Metzger	Developing a shared vision for sustainable regional land use in the Southern Ayrshire and Galloway Biosphere in Scotland.
S8D-12	13:40	J. Cusens	Integration matters: Combining socio-cultural and biophysical methods for mapping social-ecological systems in a Nordic Biosphere Reserve
S8D-13	13:50	J. José	The role of Social Cultural Ecosystem Services: A case study of Scuba Divers in a UNESCO Berlengas Biosphere Natural Reserve
S8D-14	14:10	J. Alves	Discussion – second part
S8D-15	14:20	I. Måren & J. Alves	World Café
S8D-16	15:20	H. Freitas	Final conclusions

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

13:30 - 15:30 Tuesday, 11 October

Hosts: E. Cohen-Shacham, E. Cabecinha

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

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

13:30 - 15:30 Tuesday, 11 October

Hosts: I. Mitsopoulos, M. Papadopoulou, K. Triantis			
	Time	**Name**	**Title of the Presentation**
S8a-1	13:30	I.Mitsopoulos	Session intro, goals, and objectives
S8a-2	13:35	I. Mitsopoulos	Management and policy implications in Natura 2000 protected areas in Greece: the role of the LIFE IP 4 NATURA integrated project
S8a-3	13:45	G. Laghetto	The Environmental and Resource Costs (ERC) of the water sector as a key-driver to enhance the governance of protected areas: a pilot experience from the Brenta river (Italy)
S8a-4	13:55	S. Ronchi	Limited consideration of climate change impacts on Ecosystem Services and biodiversity in planning in the highly vulnerable areas of the Italian Apennines
S8a-5	14:05	K. Srilakshmi	Ecological Governance of Ecosystem Services as a trajectory to conservation planning in Bannerghatta National Park and associated challenges
S8a-6	14:15	R. Amatus	Integrating Ecosystem Valuation in Designing Sustainable Financing Mechanism for Mount Arayat Protected Landscape In Pampanga, Philippines
S8a-7	14:25	L. Frazão	People's perception on ecosystem services and its role as a tool for sustainable management of Portuguese Biosphere Reserves: a participatory approach
S8a-8	14:35	C. Horam	Understanding the role of local governance in ecosystem services provided by the Community Conserved Areas (CCAs) of an indigenous community- A case of Tangkhul Naga tribe in Manipur, North east India.
S8a-9	14:45	N. Nyathi	Estimation of Habitat Quality using Sentinel-2 imagery in a semi-arid savannah ecosystem
S8a-10	14:55	M. Christie	Comparison of the merits of the TEEB and IPBES Values Assessment approaches to valuing nature: Empirical evidence from assessments of the value of freshwater ecosystems in Ireland.
S8a-11	15:05	T. Bergamo	Plant community shifts in Baltic coastal wetlands as a consequence of climate change
S8a-12	15:15	I. Mitsopoulos	Discussion & Take-Home-Messages

S5- Beyond water: Understanding the role and co-benefits of NBS used for water management

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

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

13:30 - 15:30 Tuesday, 11 October			
Hosts: S. Martino, B. Rugani, P. Ovando Pol, A. Simmon, G. Begg			
	Time	**Name**	**Title of the Presentation**
S1a-1	13:30	S. Martino	Introduction to the session
S1a-2	13:34	G. Begg	Introduction to the H2020 Framework project: aims, innovation and impacts
S1a-3	13:43	A. Simmons	Navigating communication around Natural Capital to support sustainability and wellbeing benefits in Farmer Clusters – considerations for the agricultural transition- Part 1 – setting the

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

Tuesday 11 October 2022

Afternoon

16:00-17:30

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

16:00 - 17:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation
B1-16	16:00	C. Chalkiadakis	Mapping social-ecological system flows of a small-scale fishery across scales

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

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

16:00 - 17:30 Tuesday, 11 October

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

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

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

16:00 - 17:30 Tuesday, 11 October

Hosts: V. van `t Hoff, M. Siebers, W. Broer, C. van Leenders, R. Nozeman, P. Roebeling

	Time	Name	Title of the Presentation
T16a-1	16:00	V. Van 't Hoff	Introduction: Relevance of monetary valuation, this first pilot report and the application of science for financial decision-making.
T16a-2	16:05	V. Van 't Hoff	Approach and main outcomes of the report.
T16a-3	16:15	V. Yatsukhno	Ecosystem service assessments for Belarusian Peatlands.
T16a-4	16:20	R. Nozeman	Relevance of this pilot report for financial institutions, possible ways of integration in decision-making and follow-up steps.
T16a-5	16:35	S. Tonin	Willingness to pay as support from the public?

T16a-6	16:40	W. Broer	Placement of ESVD data in the larger context and coherence with other tools, initiatives such as PBAF
T16a-7	16:55	Z. Izakovicova	Conflicts in the use of ecosystem services, which ES influences which ES
T16a-8	17:00	C. Van Leenders	From ecosystem perspective to stakeholder inclusion:solutions for the future
T16a-9	17:15	E. Taye	Valuing the ecosystem services of an urban Ramsar site in Ghana: Prospects for decision-making.
T16a-10	17:20	P. Roebeling	Value transfer as a new future development

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

16:00 - 17:30 Tuesday, 11 October

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

	Time	Name	Title of the Presentation
T5b-1	16:10	B. Sambo	A literature-based review on methodologies and models for the Water- Energy- Food- Ecosystem Services (WEFE) nexus assessment in the context of climate change.
T5b-2	16:20	D. Sietz	Tailored pathways to inspire agroecological action and policy
T5b-3	16:30	P. Kumar	Nexus approach to evaluate the interlinkages between water, food, health, economy and climate change: A case study from Sundarban delta, Bangladesh
T5b-4	16:40	G. Bitton	Water-Energy-Food-Ecosystem (WEFE) Nexus Analysis of River Rehabilitation under Different Development Scenarios: Israel as a case study
T5b-5	16:50	A. Turetta	Agriculture beyond food production: The Food-Water-Energy Security Nexus in Atlantic forest biome – southeast of Brazil
T5b-6	17:00	A. Sperotto	Putting nature in the Nexus: an ecosystems services-based approach for Water-Energy-Food interactions assessment
T5b-7	17:10	E. Barrios	Harnessing the multiple dimensions of agroforestry contributions to agroecological transitions using nexus analysis and visual narratives
T5b-8	17:20		Discussion & wrap-up

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

16:00 - 17:30 Tuesday, 11 October

Hosts: E. Cohen-Shacham, E. Cabecinha

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

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

16:00 - 17:30 Tuesday, 11 October

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

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

S1b-13	17:05	M. Termansen	Agri-environmental scheme design: Insights from integrated environmental-economic modelling
S1b-14	17:18	Hosts	Final Discussion

T20a - Disentangling equity in ecosystem services			
16:00 - 17:30 Tuesday, 11 October			
Hosts: F. Benra, J. Langemeyer B. Maria Zoderer			
	Time	**Name**	**Title of the Presentation**
T20a-1	16:05	P. Herreros Cantis	Applying a source-to-impact flood risk assessment to identify priority areas for green infrastructure interventions in a sewershed in Syracuse, NY
T20a-2	16:20	E. Garau	Understanding behaviours and (a)symmetries in power relation and ecosystem services flows among multiple stakeholders in a North-Western Mediterranean River Basin
T20a-3	16:35	A.Bernal-Escobar	Who is benefiting downstream? Experimental evidence on the relevance of upstream-downstream geographic distance for water provision
T20a-4	16:50		Discussion Forum

Wednesday 12 October 2022

Morning
11:00-13:00

B10 - Designing Resilient Cities through Ecosystem Service Mapping			
11:00 - 13:00 Wednesday, 12 October			
Hosts: S. Salata, S. Ronchi, S. Lai, S. Özkavaf-Şenalp			
	Time	**Name**	**Title of the Presentation**
B10-1	11.10	S. Le Clec'h	Maintaining urban ecosystem services provided by green infrastructure at times of climate change via spatial design
B10-2	11.20	F. Falasca	Urban ecosystem services and sustainable development: An indispensable planning dualism
B10-3	11.30	C. Cortinovis	A novel remote-sensing algorithm to analyze vegetation dynamics in support of urban greening initiatives
B10-4	11.40	R. Kraemer	Air Temperature Regulation of Urban Green Spaces Under Conditions of Drought and Summer Heat

B10-5	11.50	F. de la Barrera	Urban ecosystem services in myriad of green spaces covering a long latitudinal gradient
B10-6	12.00	V. Amini Parsa	Urban trees and hydrological ecosystem service: the relationship between landscape structure and runoff reduction
B10-7	12.10	V. Pechanec	The assessment of the resilience of selected urban ecosystem services
B10-8	12.20	F. Ungaro	From SOS4LIFE project to the general urban plan of the Municipality of Forlì (NE Italy): an application of studies on soil ecosystem services.
B10-9	12.30	S. Kulczyk	Cultural ecosystem services potential in the planning and management of urban areas. Case study of Poznań, Poland.
B10-10	12.40	O. Nenko	Participatory Mapping of Cultural Ecosystem Services of Kaliningrad Urban Green Spaces
B10-11	12.50	S. Salata Lai	Wrap up

T4b - The power of ecosystem services maps for transformative change

11:00 - 13:00 Wednesday, 12 October

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

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

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

11:00 - 13:00 Wednesday, 12 October

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

	Time	Name	Title of the Presentation
			Guidelines and Frameworks
T1-1	11:00	R. De Groot	Introduction to the session
T1-2	11:10	E. Drakou	The ESP task Force on ES Guidelines and Standards
T1-3	11:15	R. De Groot	Guidelines for Integrated Ecosystem Services Assessment
T1-4	11:30	K. Macova	Ecosystem assessment guidelines - towards a more appropriate mainstreaming into national practice
T1-5	11:45	E. Drakou	Setting up an ecosystem services ontology – showcase, testing and ways forward
			Tools and standards
T1-6	12:00	B. Rugani	A Standards Application Protocol to establish environmental footprint neutrality based on combined LCA-ES assessment procedures
T1-7	12:15	J. Babi Almenar	SEEA-EA ecosystem accounts as an opportunity for standardization of ecosystem services assessment and its intertwining with life cycle assessment
T1-8	12:30	F. Joly	Integrating ecosystem services in the life cycle assessments of meats of different species
T1-9	12:45	P. Castro	Is spatial analysis the missing link between Life Cycle Analysis and Ecosystem Services? A systematic literature review
T1-10	12:50	V. Colino	Valuing Nature APP for ES economic valuation

T17a - Ecosystem condition accounting: overcoming operational challenges

11:00 - 13:00 Wednesday, 12 October

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

	Time	Name	Title of the Presentation
T17a-1	11:30	Hosts and Co-Hosts	Short Introduction to the Session
T17a-2	11:33	B. Czucz et al.	The development of ecosystem condition indicators as a knowledge co-production process
T17a-3	11:45	M. Bellingen et al.	Ecosystem Condition Accounting in Germany – Implementation and Operational Challenges
T17a-4	12:00	J. Topper et al.	A large-scale assessment of ecological condition in Norwegian mountain and forest ecosystems

T17a-5	12:15	A. Garcia-Bruzón	Accounting for the condition of forest ecosystems in Spain
T17a-6	12:30	M. Zhiyanski et al.	Pilot carbon account in forest territories – case-study of “Belovo”, Bulgaria
T17a-7	12:45	F. Sica et al.	Reviewing condition indicators for urban ecosystem accounting
T17a-8	13:00	E. Bruno et al.	Assessing ecosystem conditions of vacant lots to preserve them from land take: the case study of Northern Milan intermunicipal area
T17a-9	13:15	R. Syrbe et al.	Global climate regulation by ecosystems in Germany: the ecosystem condition parameter "carbon stock" and the ecosystem service „greenhouse gas sequestration“ as national monitoring indicators

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

11:00 - 13:00 Wednesday, 12 October

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

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

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

11:00 - 13:00 Wednesday, 12 October

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

	Time	Name	Title of the Presentation
T3b-1	11:00	M. Mehring	Introduction and session overview
T3b-2	11:05	S. Peter	Mongolian herder mobility as an indicator of societal transformation with ecological consequences
T3b-3	11:12	A. Castro	On the role of emotions in human-nature connectedness in Mediterranean landscapes

T3b-4	11:19	J. Spulerova	Impact of land use changes on the provision of ecosystem services of grassland (case study from Slovakia)
T3b-5	11:26	A. Maruf	Are varied means better? Exploring the role of different types of social capital existed in patron-client relationship in social resilience of Bajau fishermen in Wangi-Wangi Island of Wakatobi Biosphere Reserve, Indonesia to climate change impacts and risks
T3b-6	11:33	L. Drees	A nomadic pastoralism for the 21st century in Mongolia. Shaping social-ecological transformations to avoid ecological tipping points
T3b-7	11:40	L. Bickel	Rangeland desertification and land use changes on commercial land in Namibia's Waterberg region
T3b-8	11:47	M. Rauchecker	Post-independence development projects to combat desertification in communal areas in Namibia's Waterberg region
T3b-9	11:54	S. Theodoridis	A framework for evaluating medicinal ecosystem services and their exposure to global change
T3b-10	12:00	L. Drees	Introduction to the World Café
T3b-11	12:05	L. Drees	World Café (digital & in-person)
T3b-12	12:35	S. Peter	Final résumé of the session and the World Café

T8 - Landscape aesthetic and cultural Ecosystem Services (CES)

11:00 - 13:00 Wednesday, 12 October

Hosts: A. Tisma, R. Alkemade

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

T8-6	12:15	E. Laszkiewicz	Would you walk through here? Determinants of seeking and avoiding urban wildscapes during utility and recreational walks
T8-7	12:30		Discussion

Wednesday 12 October 2022

Afternoon
16:00-18:00

B10 - Designing Resilient Cities through Ecosystem Service Mapping

16:00 - 18:00 Wednesday, 12 October

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

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

B10-12	17.50	S. Salata	Wrap up

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

16:00 - 18:00 Wednesday, 12 October

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

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

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

16:00 - 18:00 Wednesday, 12 October

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

	Time	Name	Title of the Presentation
T3a-5	16:00	A. van Oudenhoven	Bridging Society and Ecosystems with fit-for-purpose indicators on Social-Ecological Systems
T3a-6	16:15	C. Galy	Long term environmental observatory coupled with ecosystem services evaluation:

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

T4b - The power of ecosystem services maps for transformative change

16:00 - 18:00 Wednesday, 12 October

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

	Time	Name	Title of the Presentation
T4b-7	16:00	T. Koellner	Atlas for Ecosystem Services in Bavaria, Germany: An Interactive Tool to Explore, Evaluate and Suggest Improvements for Ecosystem Services.
T4b-8	16:12	M. Hinsch	Linking ecosystem condition and pollination ecosystem service modelling with ESTIMAP on the regional scale
T4b-9	16:24	A. Elmaliah	Mapping and Assessing Cultural Ecosystem Services and their Spatial Correlation with Biodiversity in the Arava Valley
T4b-10	16:36 (virtual)	S. Rova	How (un)sustainable are we? A sustainability-driven analysis of ecosystem services in the Venice lagoon.
T4b-11	16:48	L. Zardo	No-regret energy production from renewables integrating regional energy plans with ecosystem service analysis. Empirical evidence and theoretical insights from Veneto region (IT) through a GIS-based trade-off mapping
T4b-12	17:00	C. Carvalho	Payments for ecosystem services in Portugal: challenges to design a new incentive scheme based on costs of provision and landowners WTA in the Pinhal Interior (Centre Portugal) region

T4b-13	17:12	M. Moreira	Participatory mapping as a management approach for the spatialization of key-ecosystem services: the Portuguese Biosphere Reserves case-study
T4b-14	17:24 (virtual)	J. Alves	Assessing forest multifunctionality: an ecosystem services approach to forest ecosystems in Portugal
T4b-15	17:36	G .Linney	Vive la différence: evidence matters to ecosystem service mapping
T4b-16	17:48		Session wrap-up, discussion and lookout

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

16:00 - 18:00 Wednesday, 12 October

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

	Time	Name	Title of the Presentation
T16b-1	16:00	C. Carvalho-Santos	Opening and welcome. Introduction to TWG 16A – Tree-based PES (PESFOR-W) Working group and to the session topic.
T16b-2	16:05	C. Carvalho-Santos	Trees4Water – Tree-based solutions for water quality improvement
T16b-3	16:15	P. Thu Thui	The role of Payment for Forest Environmental Services in addressing Covid-19 impacts in Son La and Thua Thien Hue provinces, Vietnam
T16b-4	16:30	A. Gimona	Beyond carbon: benefits and trade-offs of broadleaved woodland expansion for multifunctional landscapes
T16b-5	16:45	P. Castro	Engaging key stakeholders in promoting multifunctional forests: from perceived value of ecosystem services to financial return
T16b-6	17:00	K. Mácová	Methodology for non-forest woody plants appraisal: tree valuation for calculation of environmental damage applicable in legal norms
T16b-7	17:15	J. Desair	Short rotation woody crops as a tree-based solution for biomass production and agricultural (bio)diversity
T16b-8	17:30	G. Valatin	Incentivising Tree Planting for climate change mitigation and wider benefits in the UK

T16b-9	17:45		General Discussion: Tree-based solutions and PES: successes & failures, barriers & opportunities

T17a - Ecosystem condition accounting: overcoming operational challenges

16:00 - 18:00 Wednesday, 12 October

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

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

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

16:00 - 18:00 Wednesday, 12 October

Hosts: G. Goggins

	Time	Name	Title of the Presentation
T18c-1	16.29	C. Dirac	How to integrate the expectations of the Swiss population in the national forest policy?
T18c-2	16.42	A. Vallet	Weaving knowledge systems on Nature's Contributions to People: Medicinal plants in Peru
T18c-3	16.55	C. Darapisa	Friend or Foe: Identifying the Effects of the National Greening Program on Indigenous Peoples and Local Communities in the Philippines through Scenario Building
T18c-4	17.08	P. Posy	Communicating Knowledge to Policy Makers: Bringing Socio-Economic Perspectives to Better Freshwater Restoration Decision Making
T18c-5	17.21	D. Mortelmans	Shifting towards result based agri-environmental measures and simultaneously achieving policy integration in rural municipalities faced with high land pressures:

			lessons learnt from case studies in Flanders, Belgium
T18c-6	17.34	I. Szentirmai	Co-creating contracts for farmers and nature: a case study from Őrség National Park, Hungary
T18c-7	17.47	G. Goggins	Improving conservation and restoration of wetlands in Ireland through results-based approaches
T18c-8	18:00		finish

Thursday 13 October 2022

Morning
11:00-12:30

O1- Ecosystem services research, practice and policy in Greece: current status and ways forward

11:00 - 12:30 Thursday, 13 October

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

	Time	Name	Title of the Presentation
01-1	11:00	E. Drakou	Introduction to the session
01-2	11:10	I. Kokkoris	Integrating ecosystem services into environmental management and decision making: achievements of the LIFE IP 4 NATURA project in Greece
01-3	11:25	I. Kagalou	Linking Ecosystem Services to Water Framework Directive. A practical study from Greece
01-4	11:40	A. Kagiampaki	Optimizing the integration of ecosystem services in Environmental Impact Assessments in Greece: a case study from Crete
01-5	11:55		Guided Discussion of the Working Group

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

11:00 - 12:30 Thursday, 13 October

Hosts: S. Nedkovm J. Arends, H. Prodanova, V. Stoycheva

	Time	Name	Title of the Presentation
O2-1	11:00	S. Nedkov	Introduction
O2-2	11:05	K. Atanasovska	Multi-stakeholder collaboration and capacity building programme on integrating ecosystem services approach in policy and decision-making: A case study in North Macedonia

O2-3	11:17	N. Cetin	Status and deficiencies of ecosystem services practices in Turkey: Potential collaborations in South-East Europe
O2-4	11:29	B .Koulov	Current state of ecosystem accounting in Bulgaria
O2-5	11:41	M. Glushkova	Modelling the recreation potential of forest territories in a case-study area of “Rila” and “Pirin” National Parks for development of health tourism at regional scale
O2-6	11:53	M. Zhiyanski	New perspective in assessment and mapping the climate regulating ecosystem service under extreme polar conditions
O2-7	12:05	A. Vari	Ecosystem services mapping in protected karst areas in South-Eastern Europe - the EcoKarst project approach
O2-8	12:17	H. Prodanova	Crosswalking national classifications of Bulgaria to the IUCN-Global Ecosystem Typology

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

11:00 - 12:30 Thursday, 13 October

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

	Time	Name	Title of the Presentation
S6 T13b-1	11:00	J. Saunders	Standardizing the measurement and reporting of business impacts and dependencies on nature
S6 T13b-2	11:14	M. Ta	Change the system: decoupling corporate actions and market pressures to support the creation of natural, social and human capitals.
S6 T13b-3	11:28	A. Rivero	Natural Capital assessment of three case studies from a water sector company to improve business decision-making and communication.
S6 T13b-4	11:42	A. Ribeiro	Digital tool for the assessment and monitoring of electric energy generation externalities and dependencies on ecosystem services.
S6 T13b-5	11:56	A. Boerema	Marine ecosystem performance framework - assessing business impacts on and dependencies of marine ecosystem services and natural capital
S6 T13b-6	12:10	J. Saunders	Discussion: Change the Conversation - Links between T1 and business – Dolf de Groot, Martine van Weelden and Richard Thomas ELD

			What needs to change in our conversations between science and business to finally Change the System.

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

11:00 - 12:30 Thursday, 13 October

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

	Time	Name	Title of the Presentation
T9-1	11.00	D.Vidal F. Alves	Introduction: Environment, Nature, and Climate Change Issues
T9-2	11.20	L. Valença Pinto	Contribution of the urban green areas to ecosystem services supply and wellbeing Do Park characteristics affect the spatial distribution of recreational activities in an urban park? A case study in Vilnius, Lithuania
T9-3	11.30	S. Kulczyk	The quest for a perfect park. CES as providers of human well-being in urban green spaces
T9-4	11.40	N. Fagerholm	Pandemic urban resilience in the Nordic context: a cross-city analysis on associations between outdoor recreation and green infrastructure
T9-5	11.50	A. Hoppa	The role of vegetation in mitigating local air pollution concentrations on children's routes to school.
T9-6	12.00	B. Zoderer	The Biocultural Diversity of Urban Wilderness
T9-7	12.10	M. Gomez-Ssaldarriaga	Human health indicators in relation to mangrove habitats in Jamaica: a spatial econometric approach.
T9-8	12:20		Wrap-up/conclusions

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

11:00 - 12:30 Thursday, 13 October

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

	Time	Name	Title of the Presentation
T14b-1	11:00	F.Turkelboom	Introduction of session
T14b-2	11:05	L. Vercruysse	Practitioner participation in the co-design of agro-environmental contracts
T14b-3	11:15	Z. Harmáčková	Co-designing sustainability pathways in European agricultural landscapes: environmental justice perspective on rural transformations

T14b-4	11:25	C. Darapisa	Can social learning processes help Indigenous communities elicit conservation knowledge? The Case of the Mangyan Iraya Tribe, Philippines
T14b-5	11:35	I. Gutiérrez-Briceño	Finding incentives to move towards agroecological transition in the Community of Madrid (online)
T14b-6	11:45	B. Farkač	Participatory principles in cooperation between nature conservation managers and local stakeholders: best practices from the Czech Republic
T14b-7	11:55	J. Dodsworth	Mapping processes of Co-Design within Agri-Environment Scheme Development: the case of ELMS in the North of England (online)
T14b-8	12:05	Click here to enter text.	Discussion around common co-creation themes (separate physical and online discussion)

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

11:00 - 12:30 Thursday, 13 October

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

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

			labels of Instagram posts by a proposed new standardised clustering approach.
T19-10	12:25	F. Calcagni	Session wrap-up

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

11:00 - 12:30 Thursday, 13 October

Hosts: V. Pappalardo

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

Friday 14 October 2022

Morning
11:00-12:30

B5 - Mediterranean Islands' Ecosystem Services

11:00 - 12:30 Friday, 14 October

Hosts: I. Vogiatzakis, M. Balzan

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

B5-4	11:45	P. Manolaki	Reviewing the progress of Ecosystem Services assessment in Cyprus
B5-5	12:00	L. Costadone	Insights into nature-based recreation in a Mediterranean small island environment from crowdsourced data
B5-6	12:15	K. Boucoyannis	The importance of Ecosystem Services Assessment in Spatial Planning of islands: drawing from the study case of Nisyros

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

11:00 - 12:30 Friday, 14 October

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

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

O4 - Emerging issues in ES science, policy & practice

11:00 - 12:30 Friday, 14 October

	Time	Name	Title of the Presentation
O4-1	11:00	M. Dimopoulou	Assessment and accounting of environmental damage after forest fires in Attica and Ileia regions, Greece

O4-2	11:15	L. Garrido	The long and windy road towards the real-world economic valuation of natural capital
O4-3	11:30	Z. Polednikova	Ecosystem services and river geomorphic elements: the case study of large wood
O4-4	12:00	R. Mongruel	A framework for specifying the various forms of demand for ecosystem services in the context of complex and dynamic social-ecological systems
O4-5	12:15	C. Carvalho-Santos	Management and conservation of aquatic biodiversity and ecosystem services: from citizen´s perception to watershed governance

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

11:00 - 12:30 Friday, 14 October

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

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

T5a - Ecosystem Services Modelling for Nature-based Solutions

11:00 - 12:30 Friday, 14 October

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

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

T5a-3	11:30	L. Allart	Structural equation modelling to understand the combined effects of climate, fertilisation and biodiversity on grassland multifunctionality
T5a-4	11:45	M. Villoslada	Arctic shrubification: Unveiling the role of reindeer husbandry as a Natured-based solution in tundra ecosystems.
T5a-5	12:00	S. Nedkov	Modelling of water-related ecosystem services for nature-based solutions in river basin management
T5a-6	12:15	O. Cudlin	Application of integrated modelling platform IMALBES for Nature Based Solutions in the forest-agricultural landscape

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

11:00 - 12:30 Friday, 14 October

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

	Time	Name	Title of the Presentation
T18a-1	11:00	C. Mann L. Loft	Introduction to the session: Multi-level governance and the interplay of policies, institutions and actors for ES provision.
T18a-2	11:10	C. Chen L. Loft B. Matzdorf	Incentive-based policies guiding toward climate-friendly use of peatlands in the EU
T18a-3	11:30	M.S. Orta-Ortiz D. Geneletti	Analyzing the integration of nature-based solutions in policy and planning documents in a cross-sectoral and multilevel governance structure
T18a-4	11:50	A. Konstantinova A. Filyushkina V. Matasov D. Dushkova K. Kerdivar	Prospects for Integrating Ecosystem Services Framework into Urban Planning, Policy Development and Decision-Making in Russia
T18a-5	12:10	E. Schulte-Guestenberg L. Karrasch	Social network analysis of coastal governance – a chance for ecosystem-based coastal protection

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

11:00 - 12:30 Thursday, 13 October

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

	Time	Name	Title of the Presentation
T19-11	11:00-12:30	Click here to enter text.	Session Discussion

Friday 14 October 2022

Afternoon

13:30-15:30

B5 - Mediterranean Islands' Ecosystem Services

13:30 - 15:30 Friday, 14 October

Hosts: I. Vogiatzakis, M. Balzan

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

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

11:00 - 12:30 Friday, 14 October

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

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

			compensation areas in Schleswig Holstein, Germany
			5 min break
O3-12	14:08	G. Ambrósio	Beyond carbon: the contribution of South America tropical humid and sub-humid forests to ecosystem services
O3-13	14:15	A. Stocco	Bringing together ecology and paleontology to assess multi-temporal Ecosystem Services: a new opportunity for young researchers?
O3-14	14:22	M. Hekrle	Communicating nature-based solutions to residents: how people want to be informed about measure implementation in Czechia
O3-15	14:29	J. Chapa	Implementation of Green Infrastructure as a prototype in urban Costa Rica
O3-16			For the remaining time: World Café (Part 2)

O4 - Emerging issues in ES science, policy & practice

13:30 - 15:30 Friday, 14 October

	Time	Name	Title of the Presentation
O4-6	13:30	A. Altmann	Assessment, accounting and traceability the wine sector impact over ecosystem services and biodiversity: designing a framework for implementing a certification and labelling in Mercosur countries to inform the EU consumers
O4-7	13:45	L. Redolfi de Zan	SEAFOREST LIFE ecosystem services from the conservation of carbon sinks of posidonia
O4-8	14:00	A . Fitch	Modelling flood regulation service of vegetation
O4-9	14:15	U. Cardenas	Enhancing Urban Metabolism assessments through Ecosystem Service knowledge: integrated framework and applications in Lima
O4-10	14:30	D. Alexakis	GEOLAND project: Digital Educational Geoinformatic Methodologies for Monitoring Landscape
O4-11	14:45	M. Spyra	Teaching the ES concept: experience from academia
O4-12	15:00		Discussion

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

13:30 - 15:30 Friday, 14 October

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

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

T5a - Ecosystem Services Modelling for Nature-based Solutions

13:30 - 15:30 Friday, 14 October

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

	Time	Name	Title of the Presentation
T5a-7	13:30	E. Cabecinca	An integrated modelling approach accounting for biodiversity and ecosystem services through NbS and tackle climate change: The ALICE project
T5a-8	13:50	S. Le Clech'	Modelling the effect of field margins on Ecosystem services – an ex ante analysis of agri-environmental climate measures
T5a-9	14:10	T. Wubbelmann	Urban Ecosystems and heavy rainfall. Estimating the benefits of Nature-Based Solutions under changing climate conditions

T5a-10	14:30	Hosts and all participants	Discussion and outlook

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

13:30 - 15:30 Friday, 14 October

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

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

Appendix II. Detailed posters program

This poster session will be held **on Tuesday, 11 October, from 17:30-18:30 for online** presentations and **on Wednesday, 12 October, from 13:30-15:30** for on-site presentations. The list below shows the session and the research stream* to which the poster abstract is related. We invite all to join the poster sessions.

***Research streams:**

[1]**VAL:** ES Values

[2]**TC:** Transformative Change

[3]**FWW:** The future we want

[4]**SFE:** Shaping our futures through education

[5]**OTH**: Other/Open Topic

Online presentations

Date of session: Tuesday 11 October 2022
Time of session: 17:45 - 18:45

Timetable speakers: Group 1: 17:45 - 17:57

Biome Working Group Posters (B)

B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems[1]

ID	Author Name	Title of presentation
B1-1	Volha Kaskevich	Assessment of Green-Blue Infrastructure in the Estonian coastal zone using GIS and Remote sensing

B5 - Mediterranean Island's Ecosystem Services[1]

ID	Author Name	Title of presentation
B5-1	Maria Panitsa	Aegean small islands and islets ecosystem services of natural and cultural diversity.

B10 - Designing Resilient Cities through Ecosystem Service Mapping[2]

ID	Author Name	Title of presentation
B10-1	Maria Panitsa	Linking taxonomic and functional diversity of plant species on urban areas with ecosystem services: the case study of the city of Patras (W Peloponnisos, Greece)

Timetable speakers: Group 2: 17:57-18:05

Sectoral Working Group Posters (S)

S5 - Beyond water: understanding the use and impacts of NBS for water management[3]

ID	Author Name	Title of presentation

S5-1	Eva Horváthová	The effect of land cover on drinking water treatment costs in the Czech Republic

S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management[2]

ID	Author Name	Title of presentation
S8d-1	Monika Leuenhagen	Understanding nature use in UNESCO Biosphere Reserves from a social systems theory perspective

Timetable speakers: Group 3: 18:05-18:25

Thematic Working Group Posters (T)

T4b - The power of ecosystem services maps for transformative change[2]

ID	Author Name	Title of presentation
T4b-1	Joana Alves	Assessing ecosystem services as a strategy for sustainable development and adaptation to climate change in vulnerable territories: a pilot study in the Northeast of Portugal

T9 - Shaping Healthier Cities. Ecosystem Services and Health for a responsive human-nature relations[2]

ID	Author Name	Title of presentation
T9-1	Fernando Morgado	A participative socio-environmental management approach for the preservation of marine biodiversity and social economical sustainability. The PPEMBA project (Cabo Delgado, Mozambique)

T13a - Linking ecosystem services and Nature-based Solutions for more resilient societies & nature[3]

ID	Author Name	Title of presentation
T13a-1	Slaveya Petrova	Assessing ecosystem services of urban green infrastructure in the city of Plovdiv (Bulgaria)

T18c - Results-based approaches and other integrated models as drivers for ecological conservation and policy integration[1]

ID	Author Name	Title of presentation
T18c-1	Fernanda Fernandes Garcia	Provision of soil ecosystem services by red deer. Lousã mountain as a study case

T19 - Novel approaches and co-creation of standard protocols for assessing cultural ecosystem services based on social media content[4]

ID	Author Name	Title of presentation
T19-1	Natália Roque	User-friendly platform to use social media data in Cultural Ecosystem Services studies

Timetable speakers: Group 4: 18:25 – 18:37

Open Topic Session Posters (O)

O3 - Novel contributions to ecosystem service research - from early-career researcher perspectives[5]

ID	Author Name	Title of presentation
O3-1	Fily Diébkilé	Assessing the role of indigenous and local knowledge in the sustainable management of medicinal plants in western Mali.

O4 - Open topic session[5]

ID	Author Name	Title of presentation
O4-1	Maelys Cadel	Relationships between soil ecosystem services in temperate annual field crops: A systematic literature review
O4-2	Paloma Leandro Baladron	Analysis of the current status of the coastal vegetation of the United Arab Emirates Gulf

On-site presentations

Date of session: Wednesday 12 October 2022
Time of session: 14:00 - 15:30

Biome Working Group Posters (B)

B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems[1]

ID	Author Name	Title of presentation
B1-2	Avi Putri Pertiwi	Earth Observation for Seagrass Blue Carbon Assessment in East Africa
B1-3	Filipa Afonso	The Natural Capital Approach as a way to achieve Sustainable Management Strategies: a case study on Sado Estuary (Portugal)
B1-4	Kremena Burkhard	Co-benefits and risks of carbon sequestration in coastal ecosystems

B10 - Designing Resilient Cities through Ecosystem Service Mapping[2]

ID	Author Name	Title of presentation
B10-2	Lucia Almeida	Ecosystem services in the ravine system of Mexico City: Analysis and evaluation proposal
B10-3	Vanya Stoycheva	Regulating ecosystem services in urban ecosystems – a review in the context of urban planning

Sectoral Working Group Posters (S)

S1a - Navigating Natural Capital and Inclusive Wealth for gaining sustainability and wellbeing for the farming community (businesses, supply chain and consumers[2]

ID	Author Name	Title of presentation
S1a-1	Annely Holm	Restoring the connectivity of seminatural grasslands on Muhu island, Estonia. Example of LIFE project "LIFE connecting meadows".

S8c - Revealing the contribution of protected areas to human well-being through the lens of the ecosystem services concept[1]

ID	Author Name	Title of presentation
S8c-1	Alice Bartolini	Evaluating recreational ecosystem services: a case-study of the Torre Guaceto marine protected area
S8c-2	Marios Andreou	Contribution of Troodos National Forest Park to human well-being: An overview during the implementation of iLIFE-TROODOS project

S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management[2]

ID	Author Name	Title of presentation

S8d-2	Lorena Peña	Integration of ecosystem services in the management of the Urdaibai Biosphere Reserve

S10 - Gearing up toward Urban Greening Plans to bring nature back in cities[3]

ID	Author Name	Title of presentation
S10-1	Xi Shu	Needs and expectations of German and Chinese children for livable urban green spaces revealed by the method of empathy-based stories

Thematic Working Group Posters (T)

T1 - Guidelines, tools and standards for integrated ecosystem services assessments[4]

ID	Author Name	Title of presentation
T1-1	Massimiliano Granceri Bradaschia	Renewable energy policy constraints and ecosystems services trade-offs. A comparative case study for integrated climate mitigation regional planning.
T1-2	Paula Castro	Is spatial analysis the missing link between Life Cycle Analysis and Ecosystem Services? A systematic literature review.

T3a - The operationalization of ecosystem services indicators: a matter of scale, data, purpose and end-users[1]

ID	Author Name	Title of presentation
T3a-1	Agita Treimane	The impact of forest structure and management on the availability of non-wood forest products
T3a-2	Zane Lībiete	Approaches and data sources to study some less common cultural forest ecosystem services – results from mini-studies in Latvia

T3b - Ecological tipping points and societal transformation processes in social-ecological systems[2]

ID	Author Name	Title of presentation
T3b-1	Jana Špulerová	Impact of land use changes on the provision of ecosystem services of grassland (case study from Slovakia)

T4a - National & large scale MAES projects in Europe - road towards policy uptake and implementation[3]

ID	Author Name	Title of presentation
T4a-1	Joana Seguin	SELINA – Science for evidence-based and sustainable decisions about natural capital
T4a-2	Kremena Gocheva	Semantic and ontological links for data fusion between the MAES ecosystem services paradigm and Whole system socio-ecological research

T4b - The power of ecosystem services maps for transformative change[2]

ID	Author Name	Title of presentation
T4b-2	Valentini Stamatiadou	Marine Protected Areas and Recreational Diving in the Aegean Sea

T8 - Landscape aesthetic and Cultural Ecosystem Services (CES)[2]		
ID	**Author Name**	**Title of presentation**
T8-1	Anabela Salvado Paula	Proxy indicators to assess agroecosystems' cultural services: a case study
T8-2	Dimitrios Alexakis	Landscape Quality Indicator Analysis based on Earth Observation Data for Landscape Quality Indicator Analysis: An example from Chania, Crete, Greece
T8-3	Nicolas-George Eliades	Mapping the potential for recreation on a mountainous region: the case of Marathasa region in the Troodos mountain range in Cyprus
T8-4	Paula Castro	The cultural value of Portuguese forests: a case study
T9 - Shaping Healthier Cities. Ecosystem Services and Health for a responsive human-nature relations[2]		
ID	**Author Name**	**Title of presentation**
T9-2	Ieva Misiune	Measuring human-nature interactions: comprehensive tool for urban green spaces assessment
T13a - Linking ecosystem services and Nature-based Solutions for more resilient societies & nature[3]		
ID	**Author Name**	**Title of presentation**
T13a-2	Kati Vierikko	Bringing nature back – biodiversity-friendly nature-based solutions in cities (BiNatUr)
ID	**Author Name**	**Title of presentation**
T14c - Barriers and success factors for the application of ecosystem services in decision-making[3]		
T14c-1	Ilze Pauliņa	Exploring associative interpretations and values of forest ecosystem services to foster stakeholder dialogue
T16a - Ecosystem service valuation to identify investment opportunities, risks, and stakeholders: Experiences from case studies[3]		
ID	**Author Name**	**Title of presentation**
T16a-1	Maria Anna Dimopoulou	Assessment and accounting of environmental damage after forest fires in Attica and Ileia regions, Greece
T16a-2	Zita Izakovičová	Conflicts in the use of ecosystem services
T17a Ecosystem condition accounting: overcoming operational challenges[1]		
ID	**Author Name**	**Title of presentation**
T17a-1	Arron Tippett	Ecosystem accounting - extent and condition accounts of Norwegian coastal habitats.
T17b - Moving forward in ecosystem services accounting: From the monetary valuation barrier to the mainstreaming into policy making[1]		
ID	**Author Name**	**Title of presentation**
T17b-1	Domenico Pisani	On the investigation of an economic value for forest ecosystem services in the past 30 years: Lessons learnt and future insights from a North–South perspective

T17c - Biophysical models for Ecosystem accounting[1]		
ID	**Author Name**	**Title of presentation**
T17c-1	Marta Sylla	Biophysical accounting for selected ES provided by the Ślężański Landscape Park, Poland

T18c - Results-based approaches and other integrated models as drivers for ecological conservation and policy integration[1]		
ID	**Author Name**	**Title of presentation**
T18c-2	Linda Gerra-Inohosa	Importance of linear forest infrastructure objects in providing ecosystem (dis)services
T18c-3	Peter Tramberend	Climate change impacts on land use and ecosystem services
T18c-4	Soukaina Elyaagoubi	Effects of groundwater inputs to the hydraulic circulation, water residence time and salinity in a Moroccan Atlantic lagoon

Open Topic Session Posters (O)

O2 - Biodiversity and ecosystem services in South-East Europe: Research challenges and application issues towards a community of practice[5]		
ID	**Author Name**	**Title of presentation**
O2-2	Hristina Prodanova	Digitizing the landscape map of Bulgaria at a scale of 1:500 000 for the needs of ecosystem services assessment
O2-3	Maria Glushkova	Assessment and mapping of selected ecosystem services provided by forest ecosystems: the case study of Velingrad Municipality
O2-4	Vanya Stoycheva	Regulating ecosystem services: the cooling effect of urban green infrastructure in the city of Plovdiv, Bulgaria

O4 - Open topic session[5]		
ID	**Author Name**	**Title of presentation**
O4-3	Anabela S. Paula	From nature to plate: linking wild food and eco-tourism within the Ecosystem Services framework
O4-4	Christos Zoumidess	Re-thinking of agri-environmental measures for mountain terraced landscapes: evidence from Cyprus
O4-5	Jamie Jenkins	Regionally extended shared socioeconomic pathways for the offshore wind industry in Finland
O4-6	Marta Sylla	Biophysical accounting for selected ES provided by the Ślężański Landscape Park, Poland
O4-7	Thea Wübbelmann	Trandisciplinary education: A leverage point to foster transformative change for biodiversity conservation
O4-8	Tim Wenzel	Water distribution and management for safeguarding biodiversity: Consideration of legitimacy, time and scale

Appendix III. Timetable and rooms overview

(Click on the session to download detailed session program)

Tuesday (11 October 2022)		Room
11:00 – 12:30	B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems	*Plaza*
	S8c - Revealing the contribution of protected areas to human well-being through the lens of the ecosystem services concept	*Hermes*
	T14a - Integrative digital systems for planning and managing ecosystem services: State of the art and future prospects	*Phaedra II*
	S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem Services assessment, valuation and management	*Phaedra I*
	T18b - The effects of the Europe Union - Mercosur trade relations on biodiversity conservation and ecosystem services provision	*Mezzo I*
	S1b - Motivating contract design for the provision of ecosystem services and biodiversity in agriculture	*Mezzo II*
	T17b T17c - Moving forward in ecosystem services accounting: From the monetary valuation barrier to the mainstreaming into policy making, /T17c - Biophysical models for ecosystem accounting	*Park*
	T20a - Disentangling equity in ecosystem services	*Mezzo III*
13:30 – 15:30	B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems	*Plaza*
	S1a - Navigating Natural Capital and Inclusive Wealth for gaining sustainability and wellbeing for the farming community (businesses, supply chain and consumers	*Ballroom*
	T14c - Barriers and success factors for the application of ecosystem services in decision-making	*Hermes*
	S8d - UNESCO Biosphere Reserves as key areas for new insights into Ecosystem	*Phaedra I*

	Services assessment, valuation and management	
	T13a - Linking ecosystem services and Nature-based Solutions for more resilient societies & nature TBD	*Phaedra II*
	S8a - The role of Ecosystem Services as a tool for successful multilevel governance of protected areas	*Mezzo II*
	T17b T17c - Moving forward in ecosystem services accounting: From the monetary valuation barrier to the mainstreaming into policy making, . /T17c - Biophysical models for ecosystem accounting,	*Park*
	S5 - Beyond water: understanding the use and impacts of NBS for water management	*Mezzo III*
16:00 – 17:30	B1 - Plural values of marine and coastal ecosystem services towards sustainable spatial planning and an inclusive governance of marine and coastal systems	*Plaza*
	T5b - Emerging research on current trends and future scenarios of the nature-water-food-health-climate nexus in the context of the IPBES Nexus Assessment	*Phaedra I*
	T14c - Barriers and success factors for the application of ecosystem services in decision-making	*Hermes*
	S10 - Gearing up toward Urban Greening Plans to bring nature back in cities,	*Mezzo I*
	T13a - Linking ecosystem services and Nature-based Solutions for more resilient societies & nature	*Phaedra II*
	S1b - Motivating contract design for the provision of ecosystem services and biodiversity in agriculture	*Mezzo II*
	T16a - Ecosystem service valuation to identify investment opportunities, risks, and stakeholders: Experiences from case studies	*Park*
	T20a - Disentangling equity in ecosystem services	*Mezzo III*

Wednesday (12 October 2022)		*Room*
11:00 – 13:00	B10 - Designing Resilient Cities through Ecosystem Service Mapping	*Plaza*

	T3a - The operationalization of ecosystem services indicators: a matter of scale, data, purpose and end-users	*Phaedra II*
	T3b - Ecological tipping points and societal transformation processes in social-ecological systems	*Mezzo III*
	T1 - Guidelines, tools and standards for integrated ecosystem services assessments	*Park*
	T4b - The power of ecosystem services maps for transformative change	*Hermes*
	T8 - Landscape aesthetic and Cultural Ecosystem Services (CES),	*Mezzo II*
	T17a - Ecosystem condition accounting: overcoming operational challenges	*Phaedra I*
16:30 – 18:00	B10 - Designing Resilient Cities through Ecosystem Service Mapping	*Plaza*
	T3a - The operationalization of ecosystem services indicators: a matter of scale, data, purpose and end-users	*Phaedra II*
	T16b - Incentivizing tree-based solutions: PES schemes for engaging society and nature	*Mezzo II*
	T1 - Guidelines, tools and standards for integrated ecosystem services assessments	*Park*
	T4b - The power of ecosystem services maps for transformative change	*Hermes*
	T18c - Results-based approaches and other integrated models as drivers for ecological conservation and policy integration	*Mezzo III*
	T17a - Ecosystem condition accounting: overcoming operational challenges	*Phaedra I*

Thursday (13 October 2022)		Room
11:00 – 12:30	T9 - Shaping Healthier Cities. Ecosystem Services and Health for a responsive human-nature relations	*Plaza*
	O1 - Ecosystem services research, practice and policy in Greece: current status and ways forward	*Phaedra II*
	T19 - Novel approaches and co-creation of standard protocols for assessing cultural ecosystem services based on social media content	*Mezzo III*

	S6 T13b - Change the system: bridging the gap between ecosystem services science and the integration of natural capital approaches in business decision-making	*Mezzo II*
	O2 - Biodiversity and ecosystem services in South-East Europe: Research challenges and application issues towards a community of practice	*Phaedra I*
	T14b - Making local knowledge count: Co-design principles and practices for agri-environmental programmes	*Park*
	T20b - Planning for equity and spatial justice in urban risk reduction through green and blue infrastructure ecosystem services (and disservices)	*Hermes*
Friday (14 October 2022)		**Room**
11:00 – 12:30	T4a - National & large scale MAES projects in Europe - road towards policy uptake and implementation	*Plaza*
	O4 - Open topic session	*Hermes*
	T18a - Policy and institutional analysis for ecosystem services provision – Conceptual, methodological and empirical inspirations of multi-level governance	*Park*
	T19 - Novel approaches and co-creation of standard protocols for assessing cultural ecosystem services based on social media content,	*Mezzo II*
	O3 - Novel contributions to ecosystem service research - from early-career researcher perspectives	*Phaedra II*
	B5 - Mediterranean Islands' Ecosystem Services	*Phaedra I*
	T5a - Ecosystem Services Modelling for Nature-based Solutions	*Mezzo III*
13:30 – 15:30	T4a - National & large scale MAES projects in Europe - road towards policy uptake and implementation	*Plaza*
	O4 - Open topic session	*Hermes*
	T18a - Policy and institutional analysis for ecosystem services provision – Conceptual, methodological and empirical inspirations of multi-level governance	*Park*
	O3 - Novel contributions to ecosystem service research - from early-career researcher perspectives	*Phaedra II*

	B5 - Mediterranean Islands' Ecosystem Services	*Phaedra I*
	T5a - Ecosystem Services Modelling for Nature-based Solutions	*Mezzo III*

Appendix IV. Conference Program overview

<table>
<tr><th>Date/
Time</th><th>Monday
October 10</th><th>Tuesday
October 11</th><th>Wednesday
October 12</th><th>Thursday
October 13</th><th>Friday
October 14</th></tr>
<tr><td>8:45</td><td rowspan="8">Pre-conference workshops & trainings
&
Registration</td><td>Registration</td><td>Registration</td><td>Registration</td><td>Registration</td></tr>
<tr><td>9:15</td><td rowspan="2">Opening
Keynote
Talk & discussion
(Eszter Kelemen)</td><td rowspan="2">Opening
Keynote
Talk & discussion
(Esther Turnhout)</td><td rowspan="2">Opening
Keynote
Talk & discussion
(Roy Bendor)</td><td rowspan="2">Opening
Keynote
Talk & discussion
(Ana Vitória Tereza de Magalhães)</td></tr>
<tr><td>09:30</td></tr>
<tr><td>10:30</td><td>Coffee Break</td><td>Coffee Break</td><td>Coffe break</td><td>Coffee Break</td></tr>
<tr><td>11:00</td><td>Parallel sessions:
B1, S1b, S8c, S8d, T14a, T18b, T17b+T17c, T20a
(1,5 hr)</td><td rowspan="3">Parallel sessions:
B10, T1, T3a, T3b, T4b, T8, T17a
(2 hr)</td><td>Parallel sessions:
O1, O2, S6-T13b, T9, T14b, T19, T20b
(1,5 hr)</td><td>Parallel sessions:
B5, O3, O4, T4a, T5a, T18a, T19
(1,5)</td></tr>
<tr><td>12:30</td><td rowspan="2">Lunch</td><td rowspan="2">Lunch
(or lunch box for people on field trip)</td><td rowspan="2">Lunch</td></tr>
<tr><td>13:00</td><td rowspan="2">Lunch</td></tr>
<tr><td>13:30</td><td rowspan="3">Parallel sessions:
B1, S1a, S5, S8a, S8d, T14c, T13a, T17b+T17c
(2 hr)</td><td rowspan="4">Field trips</td><td rowspan="3">Parallel sessions:
B5, O3, O4, T4a, T5a, T18a
(2 hr)</td></tr>
<tr><td>14:00</td><td>Poster session II
& Market Place</td></tr>
<tr><td>15:30</td><td>Coffee Break</td><td>Coffee Break</td><td>Coffee Break</td><td>Coffee break</td></tr>
<tr><td>16:00</td><td>Pre-conference Workshops & trainings
&
Registration</td><td>Parallel sessions:
B1, S1b, S10, T5b, T13a, T14c, T16a, T20a
(1,5 hr)</td><td rowspan="2">Parallel sessions:
B10, T1, T3a, T4b, T16b, T17a, T18c
(2 hr)</td><td>Reflection on the conference
&
panel discussion</td></tr>
<tr><td>17:30</td><td>Conference Opening Ceremony</td><td rowspan="2">Poster Session I
&
ESP Forum</td><td>Awards & Closing ceremony</td></tr>
<tr><td>18:00</td><td rowspan="2">Keynote
(Mary Yannakoulia)</td><td rowspan="2"></td><td rowspan="2"></td></tr>
<tr><td>18:30</td></tr>
<tr><td>19:00</td><td>Welcome reception & Entertainment</td><td></td><td>Conference dinner</td><td></td></tr>
</table>

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Ecosystem Services Partnership

ECOSYSTEM SERVICES EMPOWERING PEOPLE AND SOCIETIES IN TIMES OF CRISES

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