



# Program Booklet

**5<sup>th</sup> ESP Europe Conference**  
**ECOSYSTEM SERVICES: ONE PLANET, ONE HEALTH**  
18-22 NOVEMBER 2024 WAGENINGEN, THE NETHERLANDS





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# Welcome to the 5th European ESP Conference!

It's a pleasure to welcome you to Wageningen, a city that holds a special place in the Ecosystem Services Partnership's (ESP) history. This is where, in 2011, we held our first official ESP conference – a milestone that formalized our governance structure and set ESP on its course to becoming a globally connected network for ecosystem services science and practice. Since then, ESP has organized 10 world conferences and over 25 regional events, bringing together scientists, policymakers, and practitioners from around the globe to advance ecosystem services knowledge and applications.

This year, our 5th European conference is guided by the theme “Ecosystem Services: One Planet, One Health.” This theme speaks to a growing and essential recognition of the interdependence between human, animal, and ecosystem health. At its core, it challenges us to explore how ecosystem services can play a pivotal role in achieving the One Health vision—a vision shared by the international community and embedded in the Global Biodiversity Framework and the Sustainable Development Goals.

The notion that our health is inseparably linked with the health of the natural world has never been clearer, especially as we face global challenges like biodiversity loss, climate change, and ecosystem degradation. Yet real progress requires a transformative shift in how we value and incorporate ecosystem services into everyday decision-making by governments, businesses, and individuals alike. Without this shift, our efforts may continue to address only the symptoms rather than the root causes of environmental degradation.

Over the next four days, we have an exciting lineup of 9 keynotes, 14 panelists, and 5 moderators who will be leading discussions that tackle these issues from a variety of perspectives. But that is not all: This program is built on the remarkable engagement of our community, with over 80 session proposals and over 500 abstracts submitted in response to our call. The enthusiasm and commitment we've seen truly form the backbone of this conference, not just complementing the program but defining its very essence. The variety and depth of contributions reflect the dedication of this community to advancing ecosystem services research and practice.

This year, we've chosen to host the conference in person only. As we gather here, it's with the intention of fostering meaningful, face-to-face connections and collaborations – an experience that's challenging to replicate in a virtual setting. This gathering allows us to create a space for trust, dialogue, and new ideas to flourish across disciplines and sectors, which is essential for making real progress in our field.

Finally, organizing an ESP Conference is a collective effort, and we owe a huge thank you to everyone involved. We are especially grateful to the Conference Organizing Committee, the ESP Secretariat, the Scientific Program Committee and our dedicated team of volunteers for their hard work and commitment over the past year. We also



extend our sincere thanks to our sponsors for their support, which has been essential in order to make this event possible.

We hope this conference will be an open and welcoming space where new ideas emerge, collaborations are formed, and friendships are strengthened. Together, let's make the most of this time to share our work, deepen our understanding, and inspire each other to continue advancing the ecosystem services concept for a healthier, more sustainable planet.

Dolf de Groot  
Chair

Mieke Siebers,  
Co-Chair



# Organisation

## Conference Organising Committee (COC)

### Co-chairs

- **Dolf de Groot**, Ecosystem Services Partnership/ Foundation for Sustainable Development – Conference chair
- **Mieke Siebers**, Foundation for Sustainable Development – Conference co-chair

### Organising Committee member

- **Nina Kaiser**, Umwelt-Campus Birkenfeld, University of Applied Sciences Trier, Germany/YESS Europe Working Group
- **Conor Kretsch**, Cooperation on Health and Biodiversity, Ireland
- **Jeanne Nel**, Wageningen University, the Netherlands
- **Arnold J.H. van Vliet**, Wageningen University & Research, the Netherlands
- **Wieteke Willemen**, University of Twente, the Netherlands/ Member Executive Committee ESP

## ESP Conference Support team/ESP Secretariat

- **Iskra Konovska**, Ecosystem Services Partnership/ Foundation for Sustainable Development
- **Diane Ingabire**, Ecosystem Services Partnership/ Foundation for Sustainable Development
- **Janneke Horsten**, Ecosystem Services Partnership/ Foundation for Sustainable Development
- **Thalia Ballell**, Ecosystem Services Partnership/ Foundation for Sustainable Development
- **Darcy Hansen**, Ecosystem Services Partnership/ Foundation for Sustainable Development

## Scientific Program Committee (SPC)

### Members ESP Executive Committee

- **Benjamin Burkhard**, Leibniz University Hannover, Germany
- **Robert Costanza**, University College London, UK
- **Benis Ego**, University of California, Irvine, South Africa
- **Luis Inostroza**, Mendel University in Brno, Czechia
- **Beria Leimona**, CIFOR-ICRAF, Indonesia
- **Kamaljit Sangha**, Charles Darwin University, Australia

### European Members ESP Steering Committee

- **Christine Fürst (co-chair)**, Martin-Luther-Universität Halle-Wittenberg, Germany



- **Joachim Spangenberg (co-chair)**, Sustainable Europe Research Institute SERI, Germany
- **Christian Albert**, Leibniz University Hannover, Germany
- **Luke Brander**, Environmental economist/ESVD, The Netherlands
- **Kremena Burkhard**, Ludwig-Franzius-Institute – Leibniz University Hannover, Germany
- **Evangelia Drakou**, Harokopio University in Athens, Greece
- **Davide Geneletti**, University of Trento, Italy
- **Zuzana Harmackova**, Global Change Research Institute CAS , Czechia
- **Stoyan Nedkov**, Bulgarian Academy of Sciences, Bulgaria
- **Fernando Santos**, King Juan Carlos University of Madrid, Spain
- **Joachim Spangenberg**, Sustainable Europe Research Institute SERI, Germany
- **Alexander v. Oudenhoven**, Leiden University, The Netherlands
- **Carla Washbourne**, University College London, UK

## Leads ESP Europe Regional Chapters

- **Hans Keune**, University of Antwerp, Belgium (West & Central Europe)
- **Stoyan Nedkov**, Bulgarian Academy of Sciences, Bulgaria (SE Europe)

## Leads and active members European National Networks

- **Katerina Atanasovska**, Farmahem LTD, North Macedonia
- **Evangelia Drakou**, Harokopio University in Athens, Greece (also SC member)
- **Davide Geneletti**, University of Trento, Italy (also SC member)
- **Bettina Matzdorf**, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany
- **Nynke Schulp**, Vrije Universiteit Amsterdam, The Netherlands
- **Małgorzata Stępniewska**, Adam Mickiewicz University, Poland
- **Davina Vackarova**, Global Change Research Institute CAS , Czechia, Czech Republic
- **Miguel Villosada**, The University of Eastern Finland
- **Martine Van Weelden**, Capitals Coalition, The Netherlands

## Member YESS lead team

- **Kien Trung Pham**, Gustave Eiffel University, France



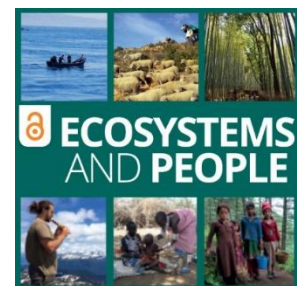
# Organisers



# Conference Sponsors



# Exhibitors





# Keynote Speakers

## Monday

- **Rudolf de Groot** – Foundation for Sustainable Development/ Ecosystem Services Partnership  
*15 years ESP: the role of ecosystem services in (transforming) sustainability science, policy and practice*
- **Ingrid Visseren-Hamakers** – Radboud University/Senator (Partij voor de Dieren)  
*Pathways to transformative change*
- **Conor Kretsch** – Cohab Initiative  
*One health: connecting Global Priorities and Policy drivers with Ecosystem Service Science*

## Tuesday

- **Marjolein Albers** – Justdiggitt  
*Scaling up landscape restoration in Africa: potential use of ecosystem services to accelerate impact*
- **Martin Lok** – Capitals Coalition  
*Building a resilient economy: It's time to account for what matters*

## Wednesday

- **Stineke Oenema** – Netherlands Ministry of Foreign Affairs  
*One Health, human, animal and planetary health. What is at stake*
- **Nadja Kabisch** – Leibniz Universität Hannover  
*Nature-based solutions, health and environmental justice. Integrating science and policy through a justice approach*

## Thursday

- **Arnold AV. van Vliet** – Wageningen University  
*Sowing the seeds of change: communicating to, and engaging with stakeholders*
- **Louise (Wieteke) Willemen** – University of Twente – ITC (and ESP Executive Board member, Ecosystem Services Special Editor)  
*Our ES community and our world: Fit for the future*

## Panellists

- **Robert Costanza** – Institute for Global Prosperity, University College London
- **Caroline van Leenders** – Netherlands Ministry of Agriculture Nature and Food Quality and the Netherlands Enterprise Agency
- **Pim Martens** – Maastricht University
- **Jeanne Nel** – Wageningen University
- **Peter van der Werf** – ROBECO





## Moderators

- **Jarumi Kato Huerta** – University of Trento
- **Miguel Inacio**– Mykolas Romeris University
- **Roxanne Lorilla** – Harokopio University of Athens
- **Marcia Arredondo Rivera** – Wageningen University
- **Kiên Pham** – Universite Gustave Eiffel

## Day-by-day schedule

### Day 1: Sunday 17 November

#### Pre-conference trainings:

**09:30 – 16:30**

**European Commission Joint Research Centre** – Measuring Ecosystem Services for accounting purposes: from the macro-economic national perspective to the territorial site-level, to the business environmental reporting. Putting a Comparative Grid into practice (*Room: expert street 8*)

**14:00 – 16:30**

**ARIES** – ARIES for SEEA and the ARIES ecosystem of applications (*Room: expert street 6*)

**16:00 – 18:30**

Early registration (*Main Hall*)

**WICC Hotel** – *Lawickse Allee 9, 6701 AN Wageningen, Gelderland, the Netherlands*

### Day 2: Monday 18 November

**08:00 – 08:45**

**Registration** (*Main Hall*)

**08:45 – 09:00**

**Opening** (*Room: HugoTech*)

**Rudolf de Groot**, Ecosystem Services Partnership (ESP)

**Mieke Siebers**, Foundation for Sustainable Development (FSD), the Netherlands

**09:00 – 10:30**

**Keynote speakers** (*Room: HugoTech*)

- **Rudolf de Groot**, Ecosystem Services Partnership & FSD – *15 years ESP: the role of ecosystem services in (transforming) sustainability science, policy and practice*
- **Ingrid Visseren-Hamakers**, Radboud University/Senator (Partij voor de Dieren) – *Pathways to transformative change*

- **Conor Kretsch, Cohab Initiative – *One health: connecting Global Priorities and Policy drivers with Ecosystem Service Science***

**Panel discussion moderated by Jarumi Kato Huerta**

**10:30 – 11:00**

**Coffee break**

**11:00 – 12:30**

**Parallel sessions**

- **B8** – [Ecosystem Services, Global Change and human health in Arctic and mountain regions: Challenges and solution](#), U. Schirpke & M. Villoslada et al. (Room: Expert Street 9)
- **S6a** – [Transforming business conduct: Integrating the value provided by nature and people in private sector decision-making](#), M. Van Weelden et al. (Room: Expert Street 5)
- **S6b** – [Setting standards for biodiversity and ecosystem services for the corporate sector](#), B. Matzdorf et al. (Room: Expert Street 3)
- **T1c** – [Conceptual mismatch: how to reconcile ecosystem services, One Health, and other buzzwords to achieve real transformative impact?](#), S. Lhoest et al. (Room: Expert Street 6)
- **T3** – [Indicators for monitoring Ecosystem Services and Nature-Based Solutions in relation to the Global Biodiversity Framework](#), A. Van Oudenhoven et al. (Room: Expert Street 4)
- **T13d** – [Can minimum requirements for Nature-based solutions support the implementation and reduce risks of greenwashing in EU marine and coastal environments?](#), C. Riisager-Simonsen et al. (Room: Expert Street 7)
- **T17a** – [Natural Capital Accounting in economy and finance](#), A. La Notte et al. (Room: Success Avenue 1)
- **T18b** – [Ecosystem services science for evidence-based transformative change in decision-making](#), B. Burkhard et al. (Room: Expert Street 8)
- **T20** – [Advancing Health Equity and Environmental Justice through Ecosystem Service Research](#), F. Baró et al. (Room: Expert Street 2)

**12:30 – 14:00**

**Lunch break**

**14:00 – 15:30**

**Parallel sessions**

- **B2** – [Living waters: Ecosystem services of freshwater biodiversity](#), H. Hanh Nguyen & H. Habersack et al. (Room: Expert street 6)
- **B8** – [Ecosystem Services, Global Change and human health in Arctic and mountain regions: Challenges and solution](#), U. Schirpke & M. Villoslada et al. (Room: Expert Street 9)
- **B10a** – [Assessing health and well-being ecosystem service benefits from Nature-Based Solutions across urban/peri-urban landscapes](#), P. Roebeling et al. (Room: Expert Street 3)
- **S1a** – [Leveraging ecosystem services for agroecological transitions](#), P. Castro & H. Freitas et al (Room: Expert Street 7)
- **S1d** – [Co-designing biodiversity measures with farmers: Dos and Donts](#), F. Herzog et al. (Room: Expert Street 4)

- **T13b** – [Linking Ecosystem Services and Nature-based Solutions for Transformative Change](#), E. Cabecinha et al. (Room: Success Avenue 1)
- **T18b** – [Ecosystem services science for evidence-based transformative change in decision-making](#), B. Burkhard et al. (Room: Expert Street 8)
- **T19b** – [Artificial Intelligence and Ecosystem Services – Advancements in AI in the field of ecosystem services for transformative change](#), V. van 't Hoff, P. Cabral & F. Akinyemi et al. (Room: Expert Street 5)
- **T20** – [Advancing Health Equity and Environmental Justice through Ecosystem Service Research](#), F. Baró et al. (Room: Expert Street 2)

**15:30 – 16:00**

**Coffee break**

**16:00 – 17:30**

**Parallel sessions**

- **B2** – [Living waters: Ecosystem services of freshwater biodiversity](#), H. Hanh Nguyen & H. Habersack et al. (Room: Expert Street 6)
- **B10a** – [Assessing health and well-being ecosystem service benefits from Nature-Based Solutions across urban/peri-urban landscapes](#), P. Roebeling et al. (Room: Expert Street 3)
- **O3** – [Teaching ecosystem services around the globe – your lessons learnt](#), N. Schwarz et al. (Room: Expert Street 2)
- **S1a** – [Leveraging ecosystem services for agroecological transitions](#), P. Castro & H. Freitas et al (Room: Expert Street 7)
- **S1d** – [Co-designing biodiversity measures with farmers: Dos and Dents](#), F. Herzog et al. (Room: Expert Street 4)
- **T13b** - [Linking Ecosystem Services and Nature-based Solutions for Transformative Change](#), E. Cabecinha et al. (Room: Success Avenue 1)
- **T18b** - [Ecosystem services science for evidence-based transformative change in decision-making](#), B. Burkhard et al. (Room: Expert Street 8)
- **T19b** – [Artificial Intelligence and Ecosystem Services – Advancements in AI in the field of ecosystem services for transformative change](#), V. van 't Hoff, P. Cabral & F. Akinyemi et al. (Room: Expert Street 5)

**17:30–19:00**

**Poster session part 1** (Room: W-Invite )

**Welcome reception & entertainment** (Room: W-Invite )

WICC, Lawickse Allee 9, 6701 AN Wageningen, Gelderland, the Netherlands

## Day 3: Tuesday 19 November

**08:00 – 08:45**

**Registration** (Main Hall)

**08:45 – 09:00**

**Opening** (Room: HugoTech)

**Mieke Siebers**, Foundation for Sustainable Development



09:00 – 10:30

Keynote speakers (Room: HugoTech)

- Marjolein Albers, JustdiggIt – **Scaling up landscape restoration in Africa: potential use of ecosystem services to accelerate impact**
- Martin Lok, Capitals Coalition – **Building a resilient economy: It's time to account for what matters**

Panel discussion moderated by Miguel Inacio

10:30 – 11:00

Coffee break

11:00 – 12:30

Parallel sessions:

- **B10c** – [Tools and approaches for integrating ecosystem services and nature-based solutions in landscape and urban planning and policy](#), U. Mörtberg & R. Remme et al. (Room: Expert street 4)
- **S3a** – [Forests for a better world: ecosystem, human and economic perspectives](#), C. Carvalho-Santos et al. (Room: Expert street 5)
- **T1a** – [Operationalizing the IPBES framework in place based socio-ecological systems research](#), N. Robert Kinabo et al. (Room: Expert Street 2)
- **T1b** – [The ES concept in science, policy and practice – a constructive reflection on its use, potential and challenges](#), C. Mann & R. Pastén et al. (Room: Expert street 7)
- **T1e** – [Working with the Pluralistic Evaluation Framework: a participatory tool for planning and assessing transformative change](#), A. Hejnowicz et al. (Room: Expert Street 9)
- **T2** – [Assessing Ecosystem Condition: Integrating Science, Policy, and Practice](#), F. Santos Martín & P. Roche et al. (Room: Expert Street 3)
- **T7** – [Making nature count: monetary valuation for transformation to nature-inclusive decision-making](#), N. Polman et al. (Room: Expert Street 8)
- **T13c** – [Nature-based solutions with societal nexus as a key for transformative change](#), D. Dushkova et al. (Room: Success Avenue 1)
- **T17b** – [Advancing the role of ecosystem accounting in urban areas, fine-scale applications, and impact assessments](#), J. Babí Almenar & T. Simensen et al. (Room: Expert street 6)

12:30 – 14:00

Lunch break

14:00 – 15:30

Parallel sessions:

Parallel sessions:

- **B10c** – [Tools and approaches for integrating ecosystem services and nature-based solutions in landscape and urban planning and policy](#), U. Mörtberg & R. Remme et al. (Room: Expert street 4)
- **S3b** – [Financing and certifying forest- and tree-based ecosystem services](#), O. Wolf & S. Corticeiro et al (Room: Expert street 5)

- **T1a** – [Operationalizing the IPBES framework in place based socio-ecological systems research](#), N. Robert Kinabo et al. (Room: Expert Street 2)
- **T1b** – [The ES concept in science, policy and practice – a constructive reflection on its use, potential and challenges](#), C. Mann & R. Pastén et al. (Room: Expert Street 7)
- **T2** – [Assessing Ecosystem Condition: Integrating Science, Policy, and Practice](#), F. Santos Martín & P. Roche et al. (Room: Expert Street 3)
- **T7** – [Making nature count: monetary valuation for transformation to nature-inclusive decision-making](#), N. Polman et al. (Room: Expert Street 8)
- **T12** – [Understanding the linkages between global change, environmental degradation, biodiversity loss and human health and well-being](#), N. Kabisch et al. (Room: Expert street 9)
- **T13c** – [Nature-based solutions with societal nexus as a key for transformative change](#), D. Dushkova et al (Room: Success Avenue 1)
- **T17b** – [Advancing the role of ecosystem accounting in urban areas, fine-scale applications, and impact assessments](#), J. Babí Almenar & T. Simensen et al. (Room: Expert street 6)

**15:30 – 16:00**

**Coffee break**

**16:00 – 18:00**

**Parallel sessions**

- **B1** – [Coastal ecosystem management: the role of ecosystem services in decision-making and restoration actions](#), E. Drakou & S. Chen et al. (Room: Expert Street 2)
- **B10e** – [Assessing ecosystem conditions, services, and biodiversity in Urban Nature Plans: targets, methods, and indicators](#), C. Cortinovis et al. (Room: Expert Street 4)
- **T1d** – [Human-Nature Relations for transformative change: a holistic perspective](#), A. Mascarenhas et al. (Room: Expert street 5)
- **T5** – [Ecosystem Services Modelling for Nature-based Solutions](#), S. Nedkov et al. (Room: Expert street 6)
- **T7** – [Making nature count: monetary valuation for transformation to nature-inclusive decision-making](#), N. Polman et al. (Room: Expert Street 8)
- **T8a** – [Ecosystem services and relational values – current state and the way forward](#), J. Schild et al. (Room: Expert Street 9)
- **T8b** – [Nature on a plate. Linking people and nature in local food](#), M. Derek et al. (Room: Expert Street 3)
- **T9a** – [Exploring the connections between biodiversity and human health](#), J. Cardoso Costa & R. Boudewijns et al. (Room: Expert street 7)
- **T13c** – [Nature-based solutions with societal nexus as a key for transformative change](#), D. Dushkova et al (Room: Success Avenue 1)

## Day 4: Wednesday 20 November

**08:00 – 08:45**

**Registration (Main Hall)**

**08:45 – 09:00**

**Opening (Room: HugoTech)**

**Rudolf de Groot**, Foundation for Sustainable Development/ Ecosystem Services Partnership

**09:00 – 10:30**

**Keynote speakers (Room: HugoTech)**

- **Stineke Oenema**, Ministry of Foreign Affairs – *One Health, human, animal and planetary health. What is at stake*
- **Nadja Kabisch**, Leibniz Universität Hannover – *Nature-based solutions, health and environmental justice. Integrating science and policy through a justice approach*

**Panel discussion moderated by Roxanne Lorilla**

**10:30 – 11:00**

**Coffee break**

**11:00 – 12:30**

**Parallel sessions:**

- **O1** – [Early career voices and visions for ecosystem services research within the One Health framework in a time of global change](#), N. Kaiser & K. Pham et al (Room: Expert Street 3)
- **O4** – [Why would I work with others? Motivations for collaboration at landscape level](#), F. Turkelboom & D. Stella et al. (Room: Expert street 4)
- **O7** – [Transformative change: Building Public Private Partnerships](#), P. Buffing et al. (Room: Expert street 5)
- **T1e** – [Working with the Pluralistic Evaluation Framework: a participatory tool for planning and assessing transformative change](#), A. Hejnowicz et al. (Room: Expert street 7)
- **T6** – [Increasing transparency and confidence across the generation and use of value factors in decision-making](#), R. Portela et al. (Room: Expert street 6)
- **T11** – [Interregional flows of ecosystem services / nature contributions to people](#), T. Koellner et al. (Room: Expert Street 8)
- **T13a** – [Trade-offs in implementing nature-based solutions](#), N. Kabisch et al. (Room: Success Avenue 1)
- **T19a** – [Ecosystem Services and Big Data: New Concepts, New Approaches, New Networks](#), J. Langemeyer et al. (Room: Expert Street 2)

**12:30 – 13:30**

**Lunch break**

**13:30 – 15:00**

**Marketplace & Poster Session part 2 (Room: Hugo tech)**

Participants are invited to explore various products displayed by exhibitors and sponsors. Furthermore, you are encouraged to once again visit the posters and ask any questions directly to the presenters.

**15:00 – 21:30**

**Conference dinner**

During the conference, participants have two options for dinner: [Open Air Museum](#), where you can experience traditional Dutch life, or [Burgers' Zoo](#), which allows you to explore a diversity of



natural habitats. Both are located in the Veluwe forest area near Arnhem. Transportation by bus will be provided from the conference venue, but you can also drive or use public transport. At both locations, the program starts at 16:00 and ends at 21:00, after which the busses will bring people to their hotel.

## Day 5: Thursday 21 November

**08:00 – 08:45**

**Registration** (Main Hall)

**08:45 – 09:00**

**Opening** (Room: HugoTech)

**Mieke Siebers**, Foundation for Sustainable Development

**09:00 – 10:30**

**Panel discussion** (Room: HugoTech)

- **Robert Costanza** – Institute for Global Prosperity, University College London
- **Caroline van Leenders** – Ministry of Agriculture Nature and Food Quality and the Netherlands Enterprise Agency
- **Pim Martens** – System Earth Science Institute, Maastricht University
- **Peter van der Werf** – ROBECO

**Moderated by Marcia Arredondo Rivera**

**10:30 – 11:00**

**Coffee break**

**11:00 – 12:30**

**Parallel sessions:**

- **B10d** – [Challenges and barriers of integrating ecosystem services science into urban planning for preventive public health](#), K. Farley et al. (Room: Expert street 7)
- **B10f** – [Urban form and ecosystem delivering capacity – relations and implications for urban planning and governance](#), A. Shkaruba & S. Salata et al. (Room: Expert Street 2)
- **O2** – [Transforming ecosystem services research through knowledge co-production and participatory approaches](#), I. Sieber et al. (Room: Success Avenue 1)
- **O6** – [Communicating nature's benefits in protected areas – from theory to practice](#), I. Bouwma et al. (Room: Expert street 9)
- **S1b** – [Assessing trade-offs between ecosystems services in agroecological transitions of agrifood systems](#), L. Madureira et al. (Room: Expert Street 3)
- **S1c** – [Agroecology and nature-based solutions as transformative pathways towards sustainable agriculture](#), M. Torralba & J. Schild et al. (Room: Expert street 6)
- **S1e** – [Operationalizing Ecosystem Services for agroecosystem One Health: data-driven insights, limits and interdisciplinary prospects](#), D. Bormpoudakis et al (Room: Expert street 5)

- **T4a** – [Integrating ecological and legal approaches to mapping and assessment of ecosystem services vulnerability, resilience, and restoration](#), F. Leucci & P. Roche et al. (Room: Expert street 8)
- **T18a** – [Mainstreaming ecosystem services approach and fostering transformative governance to enhance planning in socio-ecological systems](#), N. Claudia Caló et al. (Room: Expert street 4)

**12:30 – 13:30**

**Lunch break**

**13:30 – 15:30**

**Parallel sessions:**

- **B10b** – [Adaptation to urban climate change through ecosystem services: a critical journey to integrate ecosystem services into climate-sensitive planning for a multi-risk purpose](#), L. Zardo et al. (Room: Expert street 4)
- **B10f** – [Urban form and ecosystem delivering capacity – relations and implications for urban planning and governance](#), A. Shkaruba & S. Salata et al. (Room: Expert Street 2)
- **S1b** – [Assessing trade-offs between ecosystems services in agroecological transitions of agrifood systems](#), L. Madureira et al. (Room: Expert Street 3)
- **O2** – [Transforming ecosystem services research through knowledge co-production and participatory approaches](#), I. Sieber et al. (Room: Success Avenue 1)
- **O5** – [Communities of practice – how to make them truly transformative?](#), I. Liekens & M. Siebers et al. (Room: Expert street 9)
- **T1f** – [Challenges and opportunities of ecosystem services assessments on small and medium islands](#), G. Cozzolino & V. Drakou et al. (Room: Expert street 6)
- **T4a** – [Integrating ecological and legal approaches to mapping and assessment of ecosystem services vulnerability, resilience, and restoration](#), F. Leucci & P. Roche et al. (Room: Expert Street 8)
- **T4b** – [Mapping ecosystem services to foster transformative societal change: looking at the past and the way forward](#), S. Le Clec'H et al (Room: Expert street 7)
- **T9b** – [Healthy ecosystems for healthy people: Evidence-based benefits of nature exposure to human health](#), S. Pouso et al. (Room: Expert street 5)

**15:30 – 16:00**

**Coffee break**

**16:00 – 17:00**

**Keynote speakers** (Room: HugoTech)

- **Arnold van Vliet**, Wageningen University – ***Sowing the seeds of change: communicating to, and engaging with stakeholders***
- **Louise (Wieteke) Willemen**, University of Twente – ***Our ES community and our world: Fit for the future***
- **Dolf de Groot**, chair Ecosystem Services Partnership – ***Farewell address***

**Panel discussion moderated by Kiên Pham**

**17:00 – 18:00**

**Awards and closing ceremony** (Room: HugoTech)

Mieke Siebers, Foundation for Sustainable Development  
Rudolf de Groot, Foundation for Sustainable Development/ Ecosystem Services Partnership

## Day 6: Friday 22 November

08:45 – 18:00

### Excursions:

We have carefully selected three interesting sites for the excursions, where participants can enjoy and learn about various conference-related activities in the Wageningen area.

- *Restoring the traditional landscape & culture based on a local food chain approach*
- *Make your own cheese and enjoy a typical local lunch at a Kasteelboerderij*
- *Room for the River: visit the nature restoration project De Blauwe Kamer*

## 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](#) if you prefer all information to be in one file.

To access the ESP EU Conference app, please go to your app store and download the app '5th ESP EUROPE Conference', and use the login details received via email. You can also download the app by scanning the QR code below:

Android

IOS





After installing the app, you can:

- Access the event program and speakers list
- Create your own daily schedule that will guide you 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
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- Take notes during sessions
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After downloading the app, don't forget to enable push notifications to stay up-to-date on the latest happenings and important news!

## Conference awards

The poster session will take place on Monday, 18 November, from 17:30–19:00 in the W-Invite room and on Wednesday, 20 November, from 13:30–15:00 in the HugoTech room.

Participants are invited to walk around and ask questions about the posters in the traditional format. 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 winners will be announced during the closing session on Thursday, 21 November.

## Useful tips

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

- WiFi is freely available at the venue for the conference guests.
- If you would still like to join the excursion or conference dinner, please check on Monday at the information desk if there is still availability to sign up.
- When attending the excursion, please make sure to wear comfortable shoes. Make sure to check the details on the [excursions](#) page. Also, take any necessary personal medication.



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The REST-COAST project receives funding from the European Union's Horizon 2020 Innovation Action under grant agreement No 101037097. SELINA and SpongeBoost are funded by the European Union's Horizon Europe programme under grant agreements 101060415 (SELINA) and 101112906 (SpongeBoost).



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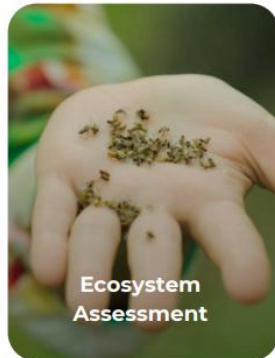


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This project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862731

## 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.

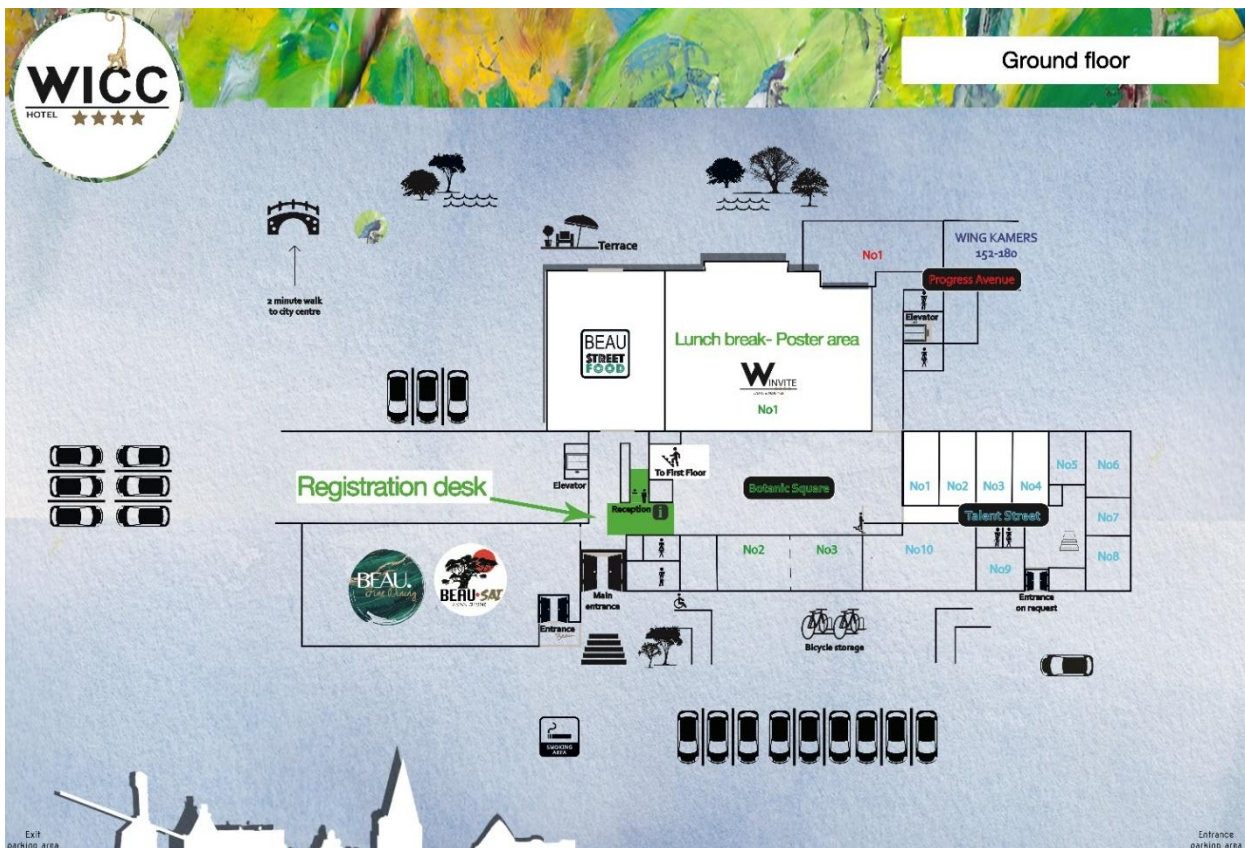
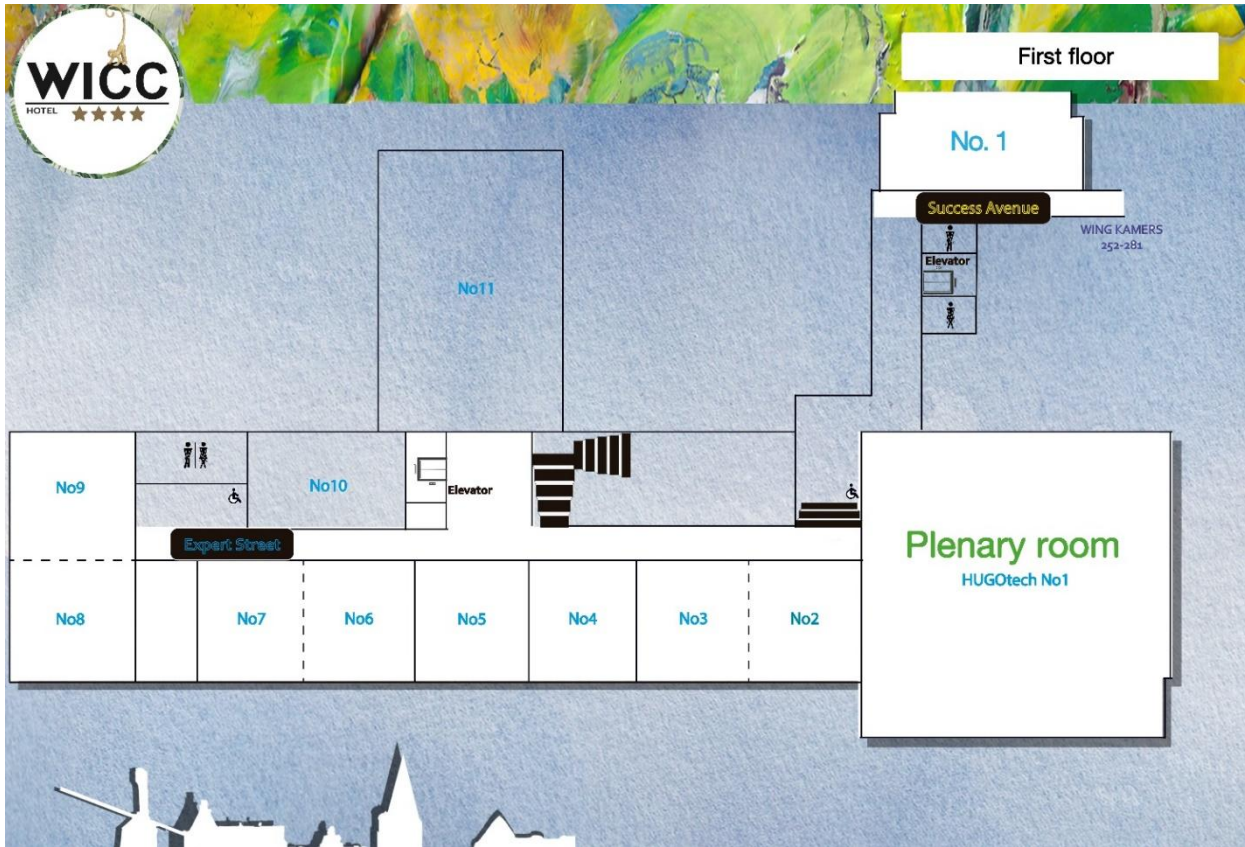
ESP connects over 3000 ecosystem services scientists, policy makers and practitioners who work together in more than 40 Working Groups and a growing number of National Networks on all continents. ESP is a membership based organisation, both institutional and individual members can subscribe. The Partnership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





# 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:

### ● Day 1: Monday, 18 November, 2024

#### Monday Morning: 11:00–12:30

##### T18b – Ecosystem services science for evidence-based transformative changes in decision-making

**Hosts:** B. Burkhard, J. Seguin, D. Geneletti, M. van Weelden, K. Vierikko

**Room:** Expert Street 8

Time	First name	Surname	Title of presentation
11:00 – 11:15	Davide	Geneletti	Session T18b Introduction
11:15 – 11:30	Carla	Washbourne	How can Early Career Researchers contribute to the science-policy interface?
11:30 – 11:45	Malte	Hinsch	Bridging Science and Stakeholders: Pollination Ecosystem Service Modelling for Sustainable Landscape Management in Lower Saxony
11:45 – 12:00	Laura	De Luca Peña	Assessing Blue Economy Sustainability: An Ecosystem and Life Cycle Approach for an Evidence-Informed Policy Making
12:00 – 12:15	Anindita	Debnath	Tracking Carbon Over Decades: Monitoring Ecosystem Services in the Askot Landscape, Indian Himalayas
12:15 – 12:30	Vince	van 't Hoff	From dimes to decisions – Applying monetary values in local public decision making in the Netherlands

##### T17a – Natural Capital Accounting in economy and finance

**Hosts:** A. La Notte, I. Grammatikopoulo, D. Pisani

**Room:** Success Avenue 1

Time	First name	Surname	Title of presentation
10:00–10:05	Domenico Alessandra	Pisani La Notte	Introduction to the session
10:05–10:15	Johannes	Förster	Synergies and differences between national and corporate reporting of biodiversity and ecosystem services – a comparison of UN SEEA EA and CSRD
10:15– 10:25	Kätlin	Aun	Options to determine ecosystem contribution in the valuation of timber and crop provisioning ecosystem services
10:25–10:35	Domenico	Pisani	Ecosystem services in a simple macroeconomic framework

10:35- 10:45	Hanna	Fiegenbaum	Integrating resilience into nature-based carbon credits
10:45-10:52	Domenico	Pisani	First round of questions
10:52- 11:02	Josselin	Roman	Ecosystem services in a simple macroeconomic framework
11:02- 11:12	Alessandra	La Notte	The assessment of nature-related risks: from ecosystem services vulnerability to economic exposure and financial disclosures
11:12- 11:22	Francesco	Sica	The assessment of nature-related risks: from ecosystem services vulnerability to economic exposure and financial disclosures
11:22-11:30	Domenico	Pisani	Second round of questions and conclusions

## T20 – Advancing Health Equity and Environmental Justice through Ecosystem Service Research

**Hosts:** F. Baró, J. Langemeyer, B. M. Zoderer, F. Benra

**Room:** Expert Street 2

Time	First name	Surname	Title of presentation
11:00	Francesco	Baró	Session introduction: Part I
11:05	Felipe	Benra	Diverse framings of equity and justice in ecosystem services research
11:15	Carl	Anderson	Urban green space visitation for cooling off from extreme heat: A justice assessment using public participation GIS (PPGIS)
11:25	Helena	Duchková	Winners and losers of urban spatial design: Heat exposure and microclimate cooling across population groups
11:35	Anna Giulia	Castaldo	Evaluating heat mitigation inequities: a case in the federal district of Brasilia
11:45	Kate	Farley	Comparing socioeconomic variation in greenspace benefits in two European cities
11:55	Johannes	Langemeyer	Panel discussion I

## S6b – Setting standards for biodiversity and ecosystem services for the corporate sector

**Hosts:** B. Matzdorf, M. Ryo, C. Chen

**Room:** Expert Street 3

Time	Format	Surname	Title of presentation
11:06	Introduction	Matzdorf	Introduction into the session
11:18	Presentation +answer common questions +discussion	Evans	Biodiversity information pathways: a unified data structure to facilitate corporate sustainability reporting



11:30	Presentation +answer common questions +discussion	Reichenspurn er	A trusted biodiversity standard: Foundation for corporate conservation engagement
11:42	Presentation +answer common questions +discussion	Garrido- Mateos	Bridging the Gap: Aligning Business and Biodiversity Metrics for Effective Conservation
11:54	Presentation +answer common questions +discussion	Kronenbitter	Basic Set of Biodiversity Criteria, a Blueprint to help Implementing and Measuring Biodiversity Governance and Performance in the Food Sector
12:06	Presentation +answer common questions +discussion	Ryo	Artificial Intelligence and Citizen Science for scalable monitoring and assessment of biodiversity and ecosystems
12:18	Discussion, common all questions		Final moderated discussion/ potential joint publication?

### **T3– Indicators for monitoring Ecosystem Services and Nature-Based Solutions in relation to the Global Biodiversity Framework**

**Hosts:** A. Van Oudenhoven, R. Lorilla, A. Vari

**Room:** Expert Street 4

<b>Time</b>	<b>First name</b>	<b>Surname</b>	<b>Title of presentation</b>
11:00	Alexander	van Oudenhoven	Introduction to the session and its expected outcomes
11:10	Stefanie	Broszeit	Indicator selection – key to effective ecosystem services and biodiversity monitoring
11:20	Joana	Seguin	Unravel the ball of interwoven ecosystem services and condition indicators: a systematic literature review
11:30	Ralf-Uwe	Syrbe	Nation-wide indicators on ecosystems and their services in the new IOER research data centre
11:40	Agnes	Vari	Social-ecological indicators for global monitoring and locally relevant implementations
11:50	Meng	Li	Global assessment of nature-based solutions, urban challenges and outcomes
12:00	Lori	Giagnacovo	Nature-based solutions through the use of Essential Biodiversity Variables in Land Dynamics predictions.
12:10	Panel discussion		



### T1c– Conceptual mismatch: how to reconcile ecosystem services, One Health, and other buzzwords to achieve real transformative impact?

**Hosts:** S. Lhoest, N. Antoine–Moussiaux, S. Vanwambeke, N. Dendoncket, O. Vandenberg, S. Jacobs

**Room:** Expert Street 6

Time	First name	Surname	Title of presentation
11:00	Olgalu	Hernandez–Manrique	Beyond "One Health" in Socio–ecological Systems: eliciting interdependencies with researchers
11:15	Kati Susanna	Kiiski	Nature–based methods and structures in the Finnish social and health service system: One solution in the life of a person living in the midst of global challenges
11:30	Enrico	Lucca	Integrating "Nature" in the Water–Energy–Food Nexus: Current Perspectives and Future Directions
11:45	Fadzai	Matsvimbo	Vulture conservation, a practical demonstration of the One Health concept.
12:00	Joséphine	Piette	Linking Nature Perception to Dengue Epidemics: A systemic implementation of One Health framework in Argentina
12:15	Bep	Schrammeijer	Socio–technical–ecological metabolisms

### T13d – Can minimum requirements for Nature–based solutions support the implementation and reduce risks of greenwashing in EU marine and coastal environments?

**Hosts:** C. Riisager–Simonsen, L. Flensburg, J. Schumacher

**Room:** Expert Street 7

Time	First name	Surname	Title of presentation
10	Christian	Riisager–Simonsen	Intro to session, its aims and expected outcomes
			What are the risks for poor implementation of proposed NbS
5	Christian	Riisager–Simonsen	What drives the implementation of proposed marine NbS
10	Johanna	Schumacher	Lessons from the systems approach, examples of risks
30			Risks at different project phases
			Minimum requirements as a potential solution – but which?
10	Christian	Riisager–Simonsen,	The TRANSEATION project’s hunt for relevant minimum requirements for marine and coastal NbS
10	Louise C.	Flensburg	What can we learn from a systematic literature review
10	Christian	Riisager–Simonsen,	What do the stakeholders think preliminary results from a systematic stakeholder engagement process
45			What minimum requirements for ES accounting at different project phases could be relevant when deploying NbS?

15	Christian Riisager-Simonsen,	Next steps – for the TRANSEATION project and the outlined position paper
	Christian Riisager-Simonsen,	Final wrap to be or not be a NbS online survey

### S6a – Transforming business conduct: Integrating the value provided by nature and people in private section decision-making

**Hosts:** M. Van Weelden, E. Winquist

**Room:** Expert Street 5

**Time:** 11:00–12:30

### B8 – Ecosystem services science for evidence-based transformative changes in decision-making

**Hosts:** U. Schirpke, M. Villoslada, M. Ebner, B. Burkhard, L. Poikolainen, T. Kumpula

**Room:** Expert Street 9

Time	First name	Surname	Title of presentation
11:00 –11:05			Introduction to the session
11:05 – 1:20	Mariana	García Criado	How will plant biodiversity change alter future ecosystem services in a warming Arctic?
11:20 –11:30	Justine	Ramage	Mapping Arctic Permafrost Ecosystem Services
11:30 –11:40	Stijn	Hofhuis	Mesopredator management: Harvest data-based modelling workflow reveals drivers of tundra red fox population
11:40 –11:50	Miguel	Villoslada	Leveraging synergies between UAV and satellite sensors to evaluate the impact of pale lichen biomass on land surface temperature in heath tundra ecosystems.
11:50 –12:30			Focus Group Discussions

## Monday Mid-day:14:00–15:30

### T18b – Ecosystem services science for evidence-based transformative changes in decision-making

**Hosts:** B. Burkhard, J. Seguin, D. Geneletti, M. van Weelden, K. Vierikko

**Room:** Expert Street 8

Time	First name	Surname	Title of presentation
14:00 –14:15	Joana	Seguin	How to make ecosystem services science outcomes applicable for evidence-based decision-making?
14:15 –14:30	Katie	Wilson	Science–Policy–Society Dialogue: Horizon Project SELINA
14:30–14:45	Stefano Davide	Murgese	The Masterplan SWITCH: agriculture for active ecosystems management, at service of local communities and for climate change adaptation

14:45–15:00	Jarumi	Kato-Huerta	Enhancing Justice Dimensions for Integrated Ecosystem Assessment: Implications for Decision-Making
15:00– 15:15	Marija	Bockarjova	Mechanisms behind a transformative change: Nature, well-being, inclusiveness and economic performance
15:15–15:30	Paulo	Pereira	Systematic review on mapping and assessing ecosystem services in urban and peri-urban areas

### T13b – Linking Ecosystem Services and Nature-based Solutions for Transformative Change

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

**Room:** Success Avenue 1

Time	First name	Surname	Title of presentation
14:00	Emmanuelle	Cohen-Shacham	Nature-based Solutions – from definition to implementation
14:15	Edna	Cabecinha	Linking Nature-based Solutions and Ecosystem Services to tackle societal challenges
14:30	Titouan	Dubo	Assessment of ecosystem services under future scenarios of the European Nature Restoration Law in the Alps
14:45	Claudia	Carvalho-Santos	Trees4Water: Cost-effectiveness of Riparian Forest Buffers in Farmlands to Improve Water Purification
15:00	Philip	Roche	Build local Nature-based Solutions projects with co-benefits for the environment, society, and biodiversity
15:15	Mónica Q.	Pinto	Integrating Nature-based Solutions and Ecosystem Services to foster Urban Resilience
15:30	Sien	Kok	Integrated assessment of river – floodplain management strategies for the Rhine Branches in the Netherlands
15:30–15:45	Discussion		

### T20 – Advancing Health Equity and Environmental Justice Through Ecosystem Service Research

**Hosts:** F. Baró, J. Langemeyer, B. M. Zoderer, F. Benra

**Room:** Expert Street 2

Time	First name	Surname	Title of presentation
14:00	Francesc	Baró	Session introduction: Part II
14:05	Elsa	Gallez	Assessing inequities in children's use of green spaces after school hours using participatory GIS
14:15	Elsa	Gallez	Schools Staff's Enablers and Barriers to Support Children's Equitable Use of Green Infrastructure in Brussels

14:25	Yuxin	Pu	Assessing Inequalities in Exposure and Accessibility to Urban Nature-based Solutions for Older Adults Living in Long-term Care Facilities.
14:35	Divya	Subramanian	Evaluating menstrual hygiene practices, participation in recreational ecosystem services, and health equity: A case of Bhopal, India
14:45	Ernesto	López Morales	Eco-gentrification in Patagonia: Environmental Justice in urban-to-rural Urbanization
14:55	Felipe	Benra	Panel discussion II
15:10			ES Equity WG outlook/discussion
15:20			End of session

### B10a – Assessing health and well-being ecosystem service benefits from Nature-Based Solutions across urban/peri-urban landscapes

**Hosts:** P. Roebeling, C. Quagliolo, L. Inostroza, L. Magalhães-Filho, M. Lopes, R. Mendonça, F. Matos

**Room:** Expert Street 3

Time	First name	Surname	Title of presentation
14:00–14:05	Session organizers – Introduction to session		
14:05–14:17	Luke	Brander	Environmental degradation and mental health: A global analysis of societal costs
14:17–14:29	Silvia	Ronchi	Governance mixes for sustainable peri-urban landscapes: insights from a survey on policy instruments
14:29–14:41	Pierre	Chopin	A conceptual framework to design and assess urban agricultural systems that provide multiple ecosystem services and benefits to society
14:41–14:53	Chiara-Charlotte	Iodice	A healthier planet for all – green and blue spaces and their benefits for mental health: Co-creation approaches of the GreenME project
14:53–15:05	Mareike	Diekmann	Ecosystem Services to protect critical health infrastructure
15:05–15:17	Ellen	Hannes	The value of neighborhood greenspace for children using the life satisfaction approach
15:17–15:30	All participants – Session discussion		

### S1d – Co-designing biodiversity measures with farmers: Dos and Dents

**Hosts:** D. Kleijn, I. Bartomeus, V. Bretagnolle, K. Haefner, E. Öckinger, S. Potts, L. Schaller, F. Herzog

**Room:** Expert Street 4

Time	First name	Surname	Title of presentation
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14:00-14:15	Elena	Velado-Alonso	Lessons learned to effectively co-design biodiversity-friendly interventions in agriculture
14:15-14:30	Sonja	Kay	Agro4esterie: Agroforestry Living Labs in Switzerland
14:30-14:45	Iris	Bohnet	Co-design as a key strategy to support biodiversity sensitive farming across Europe – Insights from the FRAMEwork project
11:45-15:00	Louise	Vercruyss	Factors for a successful co-design of agri-environmental contracts: experiences from Contracts2.0
15:00-15:15	Ferdaous	Rezgui	Stakeholders evaluate co-designed diversified Mediterranean farming systems
15:15-15:30	Verena	Scherfranz	It's not only about the money – Economic and non-economic costs of biodiversity measures for farmers

## B2 – Living waters: Ecosystem services of freshwater biodiversity

**Hosts:** H. Habersack, H.N. Nguyen, P. Griffith, S.C. Jähnig, L. Waldenberger,

**Room:** Expert Street 6

Time	First name	Surname	Title of presentation
14:00-14:15	Bence	Decsi	Why do the Green Arteries of Danube River Basin shine in yellow? Exploring a major ecosystem services trade-off for the riparian zones of Danube River Basin
14:15-14:30	Margot	Sepp	Is streamflow intermittency deteriorating the dilution capacity of European river networks?
14:30-14:45	Jan E.	Vermaat	Mass development of aquatic plants: how does mechanical plant removal affect ecosystem services?
14:45-15:00	Fábio André	Matos	Understanding the monetary value of water quality through ecosystem service
15:00-15:15	Jiří	Jakubínský	Towards a precise evaluation of floodplain ecosystem services as a means of supporting environmentally favourable spatial planning and preserving biodiversity
15:15-15:30	Ágnes	Vári	Ecosystem services at Lake Balaton – perceptions, environmental awareness and trade-offs between conservation and development

## S1a – Leveraging ecosystem services for agroecological transitions

**Hosts:** H. Freitas, P. Castro, A. Tataridas, J. Costa

**Room:** Expert Street 7

Time	First name	Surname	Title of presentation
14.00-14.10	Helena	Freitas	Host presentation and explanation of the session

14:10–14:15	Alex	Tataridas	Leveraging ecosystem services for agroecological transitions: the role of the GOOD Project
14:15–14:20	Mario	Balzan	Assessing trade-offs in managing pollinators and pollination ecosystem services in the Maltese Islands
14:20–14:25	Jan	Brabec	Overcoming Barriers: Enhancing Nature-Based Flood Mitigation Strategies through Policy and Practice
14:25–14:30	Sheila	Holz	The Green Deal Pathway for Farmers: Regulatory and Policy Barriers to Implementing Agroecology
14:30–14:35	Metaxia	Kokkini	VALERECO: Valorization of LEgumes Related Ecosystem Services
14:35–15:40	Anabela	Paula	Co-creation of sustainable development strategies for agroecological transition based on ES framework
15:40–14:45	Mónica	Pinto	Insights from preliminary field observations: pollinators diversity with different crops and plants in agroecosystems
14:45–14:50	Laura	Riggi	From blurry maps to clear solutions: mapping pest control services for agroecological transition
14:50–14:55	Philippa	von Nathusius	Quantification of ecosystem services of narrow-leaved lupins and lentils in mixed cropping systems
14:55–15:00	Vasileios	Gkidakis	One Health approaches to support Agroecological transformation and the provision of Ecosystem Services in peri-urban farming: the experience from west Africa.
15:00–15:30	All participants		

## **T19b – Artificial Intelligence and Ecosystem Services – Advancements in AI in the field of ecosystem services for transformative change**

**Hosts:** V. van 't Hoff, P. Cabral, F.O. Akinyemi, M. Siebers, B. Almeida, G. Wang, J. Haas, S. Alibakhshi, X. Pang, E. Orlikowska

**Room: Expert Street 5**

<b>Time</b>	<b>First name</b>	<b>Surname</b>	<b>Title of presentation</b>
14:00–14:05	Vince	van 't Hoff	Introduction
14:05–14:20	Ferdinando	Villa	Keynote: From open to integrated ES science with AI
14:20–14:30	Felicia O.	Akinyemi	A Spatial Data Science and Remote Sensing approach to predicting drought impacts on agricultural production in tropical dryland contexts
14:30–14:40	Hugo	Deléglise	Integrating optimization-based AI methods, ecosystem services and ecological connectivity to

			strengthen Peru's protected area system towards the 30*2030 target.
14:40–14:45	Q&A		Presentations 1&2
14:45–14:55	Nils	Barthel	Comparative Analysis of MaxEnt and Deep Learning Approaches for Modelling Humpback Whale Distribution in Northern Iceland
14:45–15:05	Robbe	Neyns	Automated mapping of bee-friendly trees: a novel approach to enhance pollinator conservation
15:05–15:10	Q&A		Presentations 3&4
15:10–15:30	Discussion		Methodologies, data collection and models

## B8 – Ecosystem services science for evidence-based transformative changes in decision-making

**Hosts:** U. Schirpke, M. Villoslada, M. Ebner, B. Burkhard, L. Poikolainen, T. Kumpula

**Room:** Expert Street 9

Time	First name	Surname	Title of presentation
14:00 – 14:10	Claudia	Caro	Key ecosystem services in the high Andean ecosystems and their value to achieve Global Biodiversity Framework goals
14:10 – 14:15	Alberto	González-García	The deglaciation of the tropics, impacts on ecosystem services and emotionally-driven climate (in)action
14:15 – 14:20	Mattias	Gaglio	An Ecosystem Services Assessment towards the adoption of a Climate Change Adaptation Plan in the Province of Trento (Italy)
14:20 – 14:25	Alberto	González-García	Cultural ecosystem services of communal temperate forests in the mountains of north-west Spain: livelihoods, human well-being and cultural-spiritual values
14:25 – 14:30	Agnieszka	Nowak-Olejniak	Mountains for Mental, Physical, and Social Health: Unveiling the Role of a Multisensory Landscape
14:30 – 15:30			Focus Group Discussions

## Monday Afternoon: 16:00–17:30

### T18b – Ecosystem services science for evidence-based transformative changes in decision-making

**Hosts:** B. Burkhard, J. Seguin, D. Geneletti, M. van Weelden, K. Vierikko

**Room:** Expert Street 8

Time	First name	Surname	Title of presentation
16:00 – 16:15	Aveliina	Helm	Implementation of the results of ecosystem assessments in decision making in Estonia

16:15 –16:30	Sigvard	Bast	Green infrastructure and ecosystem service mapping for planning
16:30 – 16:45	Roxanne	Lorilla	Integrating ecosystem services into development plans: Is there space to address and minimise the tradeoffs between nature and grey infrastructure?
16:45 – 17:00	Anna	Sperotto	Adopting an Ecosystem Services perspective for the Water–Energy–Food Nexus assessment: opportunities and challenges for a transformative change in the Adige river basin (Italy)
17:00 –17:15	Mendy	van der Vliet	The development of satellite-based assessment of landscape restoration: reflections from a co-design approach
17:15 –17:30	Joana	Seguin	all session hosts: Wrap up and final discussion

### T13b – Linking Ecosystem Services and Nature-based Solutions for Transformative Change

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

**Room:** Success Avenue 1

Time	First name	Surname	Title of presentation
16:00	Phoebe	King	From local solutions to catchment-wide management: an investigation of upstream-downstream trade-offs when upscaling nature-based flood risk management
16:15	Livia	Shamir	Parco Italia. A project to extend, connect, protect and enhance the network of natural areas in Italy
16:30	Veronika	Strauss	Carbon Farming for Climate Change Mitigation and Ecosystem Services – Potentials and Influencing Factors
16:45	Agata	Cieszewska	Ecosystem services in urban housing estates – NbS context
17:00	Alberto	González-García	Co-benefits of nature-based solutions exceed the costs of implementation
17:15	Robert	Philips	A participatory planning tool to share knowledge and discuss landscape tradeoffs between ecosystem services and to inform implementation of Nature-based Solutions
17:30	Maria João	Cardoso	Perception of the value of riparian ecosystems – a case study of reconversion from heavy techniques to Nature-Based Solutions
17.45	Swantje	Gebhardt	A participatory planning tool to share knowledge and discuss landscape tradeoffs between ecosystem services and to inform implementation of Nature-based Solutions
18.00 – 18.30	Discussion		



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### O3 – Teaching ecosystem services around the globe – your lessons learnt

**Hosts:** N. Schwarz, M. Bockarjova, W. Willemen

**Room:** Expert Street 2

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Time	First name	Surname	Title of presentation
16:00	Davina	Vačkářová	Teaching Ecosystem Services: Insights from a Decade of Course Curricula, Exercises, and Pedagogical Lessons
16:10	Alexander	van Oudenhoven	Teaching ecosystem services to an interdisciplinary and critical student population
16:20	Monika	Leuenhagen	How can the ecosystem services approach contribute to interdisciplinary teaching?
16:30	Nina	Schwarz	Design and development of accessible e-learning materials on urban green spaces in the tropics.
16:40	Francesc	Baró	Greening the City: Teaching Ecosystem Services in Urban Studies
16:50	Marija	Bockarjova	Teaching ecosystem services: understanding their value
17:00	Fiorella	Iaquinta	Intersection of the ecosystem approach to human health (Ecohealth) and Latin American extension traditions: teaching experiences in health–environmental issues
17:10		ALL	Discussion on challenges and ways forward

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### B10a – Assessing health and well-being ecosystem service benefits from Nature-Based Solutions across urban/peri-urban landscapes

**Hosts:** P. Roebeling, C. Quagliolo, L. Inostroza, L. Magalhães-Filho, M. Lopes, R. Mendonça, F. Matos

**Room:** Expert Street 3

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Time	First name	Surname	Title of presentation
16:00– 16:12	Peter	Roebeling	Health disutility benefits from nature-based solutions for air quality improvement: a case study for Turin (Italy)
16:12 –16:24	Aisling R. Sealy	Phelan	Economic evaluation of nature-based therapies – A pilot costing analysis and willingness to pay for nature-based rehabilitation of Chronic Obstructive Pulmonary Disease
16:24– 16:36	Corinna	Patetta	Assessing ES for human health in the Forestami tree planting
16:36– 16:48	Carlotta	Quagliolo	Cultural ecosystem service benefits assessment of Nature-Based Solutions scenarios: the case of Aveiro (Portugal)
16:48–17:00	James	Obeng	Mapping young people’s favorite environments and the association with wellbeing and social inclusion
17:00 – 17:12	Pinar	Pamukcu-Albers	Quantifying Ecosystem Services in Renatured Floodplains: A Case Study of the Emscher River in Germany
17:12 –17:22	Session discussion (part II)		
17:22– 17:30	Wrap-up of session, outlook and next steps		

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### S1d – Co-designing biodiversity measures with farmers: Dos and Donts

**Hosts:** D. Kleijn, I. Bartomeus, V. Bretagnolle, K. Haeffner, E. Öckinger, S. Potts, L. Schaller, F. Herzog

**Room:** Expert Street 4

Time	First name	Surname	Title of presentation
16:00–16:15	Verena	Scherfranz	It's not only about the money – Economic and non-economic costs of biodiversity measures for farmers
16:15–16:30	Marion	Mehring	Visions for Biodiversity – Awareness of biodiversity and biodiversity measures of famers and foresters: A case study from Germany
16:30–16:45	Vincent	Bretagnolle	Experimenting nature-based solutions with farmers to improve yield, revenue and farm biodiversity
16:45–17:00	Philippe	Jeanneret	Implementing agroecological practices and biodiversity-based solutions to reduce pesticide use: successes and challenges of a co-design approach in the Swiss context
17:00–17:15	Niamh	McHugh	Identification of Farmland Bird Indicator Species for Practitioner Monitoring in the United Kingdom
17:15–17:30	Reinier	de Vries	Loss of income constrains management for ecosystem services in agricultural grasslands

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### B2 – Living waters: Ecosystem services of freshwater biodiversity

**Hosts:** H. Habersack, H.N. Nguyen, P. Griffith, S.C. Jähnig, L. Waldenberger,

**Room:** Expert Street 6

Time	First name	Surname	Title of presentation
16:00–16:15	Angélica	Hernández Goez	Extractivism expansion of palm oil and its relation with freshwater ecosystem services. A study case in Colombia
16:15–16:30	Anda	Ruskule	Comprehensive framework for assessment of freshwater cultural ecosystem services in Latvia
16:30–16:45	Linda	Rogge	Assessing natural and cultural heritage in fishery-managed pond landscapes in Upper Lusatia, Germany
16:45–17:30			Q&A /Panel discussion

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### S1a – Leveraging ecosystem services for agroecological transitions

**Hosts:** H. Freitas, P. Castro, A. Tataridas, J. Costa

**Room:** Expert Street 7

Time	First name	Surname	Title of presentation
16.00–16.10	Paula	Castro	Welcome and explanation of the session
16:10–16:20	ALL		Group discussions to propose frameworks for harmonising ES into agroecological transitions to facilitate a transformative change in agri-food systems
17:20–17:30	ALL		Final conclusions and validation of the proposals



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## T19b – Artificial Intelligence and Ecosystem Services – Advancements in AI in the field of ecosystem services for transformative change

**Hosts:** V. van 't Hoff, P. Cabral, F.O. Akinyemi, M. Siebers, B. Almeida, G. Wang, J. Haas, S. Alibakhshi, X. Pang, E. Orlikowska

**Room:** Expert Street 5

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Time	First name	Surname	Title of presentation
16:00–16:05	Vince	van 't Hoff	Introduction
16:05–16:15	Pedro	Cabral	Assessing Determinants of Forest Gross Primary Productivity in China Using Machine Learning Approaches
16:15–16:25	Jinzhou	Wu	Mapping the allergenicity of urban green spaces using very-high-resolution remote sensing data
16:25–16:30	Q&A		Presentations 1&2
16:30–16:40	Philip	Roche	Leveraging AI for Enhanced Systematic Reviews: Insights from Ecosystem Condition Indicators
16:40–16:50	Stefano	Balbi	Navigating connected data and models through semantics for better ecosystem services modelling and accounting
16:50–16:55	Q&A		Presentations 3&4
16:55–17:05	Robert	Costanza	Beyond GDP with AI
17:05–17:25	Discussion		Future of AI in ES and ethical considerations

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## ● Day 2: Tuesday, 19 November 2024

### Tuesday Morning: 11:00–12:30

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## T7 – Making nature count: monetary valuation for transformation to nature-inclusive decision-making

**Hosts:** N. Polman, V. van 't Hoff, P. Roebeling, L. Magalhães-Filho, L. Brander, M. Siebers, W. Rodrigues

**Room:** Expert Street 8

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Time	First name	Surname	Title of presentation
11:00–11:05	Nico	Polman	Introduction
11:05–11:20	Nalini	Rao	Biodiversity and Ecosystem Services: Economic Analysis for Decision-making
11:20–11:35	Jan Philipp	Schägner	Reporting and Quality Standard for Environmental Economic Valuation to Support Meta-Analyses and Benefit Transfer
11:35–11:50	Maria	Bastos	Benefits from pollution abatement in eco-sensitive areas under development stress – assessing impacts in ecosystem services value of a Natura 2000 area

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11:50–12:05	Máté	Chappon	Valuation of Ecosystem Services within the Water Value Flow framework – a case study from Lake Velence, Hungary
12:05–12:20	Luiz	Magalhães Filho	Integrated climate change adaptation for resilient coastal communities: An ecosystem service valuation approach
12:20–12:35	Luke	Brander	Wrap-up: Future of value transfer functions

### T13c – Nature-based solutions with societal nexus as a key for transformative change

**Hosts:** D. Dushkova, D. Haase

**Room:** Success Avenue 1

### T1a – Operationalizing the IPBES framework in place based socio-ecological systems research

**Hosts:** N. Robert Kinabo, P. Manning

**Room:** Expert Street 2

Time	First name	Surname	Title of presentation
11:00–11:13	Peter	Manning	Operationalizing the entire IPBES framework on Mount Kilimanjaro
11:13–11:26	Dickson	Mauki	Plant functional composition drives climate regulation across a tropical climatic gradient
11:26–11:39	Fabia	Codalli	Water quality indices for drinking and irrigation water on the southern slopes of Mt. Kilimanjaro
11:39–11:52	Frank Pauli	Shagega	Influence of land cover types on preferential flow dynamics on southern slopes of Mt. Kilimanjaro, Tanzania
11:52–12:05	Koggani	D. Koggani	The importance of biodiversity facets differs among wood supply products across tropical montane ecosystems
12:05–12:18	Maria Eugenia	Degano	Using soundscapes to reveal the role of biodiversity in non-material Natures' Contributions to People at Mount Kilimanjaro., Tanzania
12:18–12:31	John	Sanya	Heterogeneity of demands for Nature's Contributions to People and Nature's values by farmers: insights from the Kilimanjaro social-ecological System

### T2 – Assessing Ecosystem Condition: Integrating Science, Policy and Practice

**Hosts:** F. Santos–Martin, I. Nicholson Thomas, A. Grêt–Regamey, X. Lecomte, E. Bank, B. Czúcz, G. Rusc

**Room:** Expert Street 3

Time	First name	Surname	Title of presentation
11:00	Fernando	Santos	Session introduction
11:05	Xavier	Lecomte	Advancing Ecosystem Condition Assessment: Refining the SEEA EA Framework
11:15	Joshua	Berger	The Ecosystem Condition Protocol: a new major tool for corporates to measure and account for their impacts on ecosystem condition



11:25	Alessio	Bulckaen	EO-based forest condition assessment for Europe
11:40	Marios	Bellingen	A deep dive into German condition account: systematic approach and the link to ecosystem capacity
11:55	Emily	Bank	Selecting and testing agroecosystem condition indicators
12:05	Eszter	Tanács	Validating a national-scale pressure-based cropland condition map using bird census data
12:15	Balint	Czúcz	References for ecosystem condition in major European biodiversity policies
12:30	-	-	Q&A discussions

### B10c – Tools and approaches for integrating ecosystem services and nature-based solutions in landscape and urban planning and policy

**Hosts:** R. Remme, U. Mörtberg, C. Albert, B. Adem Esmail, C. Anderson, C. Veerkamp, E. Kooijman, F. Baró, J. Langemeyer

**Room:** Expert Street 4

#### Sub-session I: Integrating research into policy

Time	First name	Surname	Title of presentation
11.00	Roy	Remme	Session introduction
11.05	Esmee	Kooijman	The needs of policy makers from ecosystem service research
11.15	Lianne	van Ruijven	Financial exploration of green spaces in and around the city
11.25	Gerid	Hager	Measuring and assessing urban green infrastructure with citizens: stories from Urban ReLeaf cities
11.35	Joeri	Morpurgo	Field evidence on multiple ecosystem services in urban green infrastructure. Heat reduction, air remediation, water regulation and biodiversity, do they co-exist?
11.45	Harald	Zepp	EnhancES – An Open Source GIS-based Toolbox for Assessing, Mapping and Enhancing Ecosystem Services
11.55	Thea	Wübbelmann	Assessing the transformative power of policy strategies towards healthier cities in four European case studies
12.05			Interactive panel discussion Integration of ecosystem service and nature-based solution research into policy

### T17b – Advancing the role of ecosystem accounting in urban areas, fine-scale applications, and impact assessments

**Hosts:** T. Simensen, J. Babí Almenar, B. Czúcz, G. Rusch, C. Cortinovis, D. Geneletti, D.N. Barton, M. Korkou, R. Casagrandi

**Room:** Expert Street 6

Time	First name	Surname	Title of presentation
11:00–11:06	Hosts & co-Hosts of Session T17b		Introduction to the Session
11:06 –11:18	Javier	Babí Almenar	Thematic urban ecosystem accounts: challenges, lessons and ways forward.
11:18–11:30	Trond	Simensen	A Comparative Review of Project-Level Ecosystem Accounting Methodologies.
11:30 –11:42	Bart	Immerzeel	Zooming in on ecosystem accounting: a gap analysis of INCA-Tool's suitability for local and regional decision-support.
11:42–11:54	Lori	Giagnacovo	Dynamic fine-scale habitat mapping to facilitate ecosystem extent accounting and biodiversity monitoring.
11:54 –12:06	Giulia	Capotorti	Current opportunities and challenges for urban ecosystem typification and assessment in Italy.
12:06 –12:18	Jonathan	Reith	Assessing Urban Ecosystems in Germany: Extent, Condition, and Services.
12:18 –12:30	Victor Javier	Colino Rabanal	Quantifying the Economic Value of Ecosystem Services in Vineyards of Castilla y León, Spain: A Logic Chain Methodology.

### T1b – The ES concept in science, policy, and practice – a constructive reflection on its use, potential and challenges

**Hosts:** C. Mann, R. Pastén, L. Loft, D. Mortelmans, M. Leone, L. Blaettler, L. Roco, C. Cerda, L. Inostroza

**Room:** Expert Street 7

Time	First name	Surname	Title of presentation
11:00–11:15	Alexander Jelle	Oudenhoven Vandenberghe	Introduction to the topic: a critical reflection on use and usability of ES from different angles.
11:15–11:25	Luis	Inostroza	The philosophical and conceptual ground of ecosystem services. A conversation about paradigms, analytical distinctions, pitfalls and misunderstandings in ecosystem services science.
11:25–11:35	Ewert	Aukes	The science diplomatic character of the ES concept
11:35–11:45	Simone	Martino	Where is Natural Capital being used in Policy-Making? Results from an international review
11:45–11:55	Roxanne Suzette	Lorilla	ES as a cross-sectoral approach to account for pluricentric values of nature within the new EU Green Deal
11:55 –12:05	Jan	Daněk	National platform for ES and its role in facilitating implementation of the ES framework in the Czech Republic

12:05 – 12:15	Michael	Leon	Ecosystem Services as (Co-)performative Practice: Experiences from Integrated Water Management in Flanders
12:15–12:25	Connie	López-Gómez	Rural and afro-descendant women narratives on ES in conservation planning and policy: a Colombian case study.
12:25 – 2:30	Q&A		Remaining q&a

### S3a – Forests for a better world: ecosystem, human and economic perspectives

**Hosts:** C. Carvalho-Santos, R. Sousa-Silva, J. Machac, J. Brabec

**Room:** Expert Street 5

Time	First name	Surname	Title of presentation
11:00 –11:02	Claudia	Carvalho-Santos	Welcome /Introduction
11:03–11:13	Victor	Colino Rabanal	Implementing multifunctional forest management in Spain: The role of logic chains and value parameters in optimising ecosystem services
11:15–11:25	Dumitru-Mircea	Duşcu	Mapping the cultural ecosystem services provided by urban forests using public participation. Case study Băneasa Forest, Romania
11:27–11:37	Rita	Sousa-Silva	Health and environmental benefits of urban street tree stewardship
11:39–11:49	Lisa	Best	Urban green space and wellbeing in the tropics: understanding challenges, conditions, and values through serious games
11:50–12:00	Jan	Brabec	Sponge Solutions: Navigating Flood Negotiations Through Serious Gaming
12:00–12:30			Joint Discussion

### T1e – Working with Pluralistic Evaluation Framework: a participatory tool for planning and assessing transformative change

**Hosts:** A. Hejniwicz, R. Gunton

**Room:** Expert Street 9

## Tuesday Mid-day: 14:00 – 15:30

### T7 – Making nature count: monetary valuation for transformation to nature-inclusive decision-making

**Hosts:** N. Polman, V. van 't Hoff, P. Roebeling, L. Magalhães-Filho, L. Brander, M. Siebers, W. Rodrigues

**Room:** Expert Street 8

Time	First name	Surname	Title of presentation
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14:00–14:13	Peter	Roebeling	Potentiating the transformation to legume-based farming systems through private and social ecosystem service valuation
14:13–14:26	Michaela	Robers	Considering wider peatland values
14:26–14:39	Veronika	Liebelt	Hedonic analysis of biodiverse urban green: a survey-based case study of 14 German cities
14:39–14:52	Lovelater	Sybele	Economic valuation of ecosystems services provided by vultures in Southern Africa
14:52–15:05	Allesandra	Santini	The multifunctionality of irrigation water: an economic valuation of the ecosystem services provided by irrigation water canals in the Veneto region, Northeastern Italy.
15:05–15:18	Liisa	Saikkonen	Market-based approaches to quantify and value recreation related ecosystem services
15:18–15:30	Tomas	Badura	Incorporating spatial complexity and variability into stated choice experiments for biodiversity policy support

### T13c – Nature-based solutions with societal nexus as a key for transformative change

**Hosts:** D. Dushkova, D. Haase

**Room:** Success Avenue 1

**Time:** 14:00–15:30

### T1a – Operationalizing the IPBES framework in place based socio-ecological systems research

**Hosts:** N. R. Kinabo, P. Manning

**Room:** Expert Street 2

Time	First name	Surname	Title of presentation
14:01–14:14	Neema Robert	Kinabo	Land use and elevation shape NCP multifunctionality for diverse stakeholder groups in the Kilimanjaro Social-Ecological System
14:14–14:27	Netra	Bhandari	Exploring synergies and trade-offs between the potential supply of Nature's contributions to people in the southern slopes of Mt. Kilimanjaro, Tanzania
14:27–14:40	Lina Berrouet	Cadavid	Deciphering Co-evolution in Tropical Wetlands: A Socio-Hydrological Approach
14:40–14:53	Agnes	Vari	How is the IPBES conceptual framework useful for place-based research? Analyzing case studies across Canada
14:53–15:06	Sophie	Peter	Transformative Change in Social-Ecological Systems: Analyzing Indirect Societal Drivers and Shaping Future Cultural Landscapes in Germany



15:06–15:19	Victoria	Grießmeier	Insights on place based on the causes and consequences of biodiversity change from the Biodiversity Exploratories Project
15:19–15:30	Peter	Manning	Open discussion and closing remarks

## T2 – Assessing Ecosystem Condition: Integrating Science, Policy and Practice

**Hosts:** F. Santos–Martin, I. Nicholson Thomas, A. Grêt–Regamey, X. Lecomte, E. Bank, B. Czúcz, G. Rusc

**Room:** Expert Street 3

Time	First name	Surname	Title of presentation
14:00	Philippe	Roche	Session introduction
14:05	Megan	Critchley	Applying ecosystem conditions metrics to predict the provision of ecosystem services: a case study on supporting transformative policy and practice.
14:15	Fernando	Rodriguez	Enhanced logic chains based on value parameters. An application to the economic valuation of ecosystem services at mediterranean forests
14:25	Ariadna	Álvarez	Methodology and application of the natural capital condition account: case study in Madrid (Spain)
14:35	Beñat	Egidazu–de la Parte	Integrated methodological approach to develop marine physical accounts
14:45	Anna Lilian	Gardossi	High Nature Value Farmlands: Preserving Biodiversity and Ecosystem Services
14:55	Federico	Falasca	Enhancing Natura 2000 Network Connectivity: The Role of Habitat Quality and Degradation Indicators in the LIFE IMAGINE Project
15:05	Grazia	Zulia	A multiple steps procedure for the analysis of intra- and inter-patches connectivity: an application in Lower Saxony, Germany
15:15	-	-	Q&A discussions

## B10c – Tools and approaches for integrating ecosystem services and nature-based solutions in landscape and urban planning and policy

**Hosts:** R. Remme, U. Mörtberg, C. Albert, B. Adem Esmail, C. Anderson, C. Veerkamp, E. Kooijman, F. Baró, J. Langemeyer

**Room:** Expert Street 5

Time	First name	Surname	Title of Presentation
14.00	Ulla	Mörtberg	Session introduction
14.05	Blal	Adem Esmail	Planning for transformative change with nature-based solutions: a geodesign application in Stockholm
14.15	Carl	Anderson	Geodesigning sponge landscapes to address floods, droughts and biodiversity loss
14.25	Ming	Fricke	Linking social challenges, spatial planning, and multifunctional green infrastructure design through an

			ecosystem services lens to enhance urban resilience and health
14.35	Sana	Jajeh	Collaborative Planning of Sponge Measures for Climate Adaptation at the Landscape Scale: Exploring the Potential of Geodesign
14.45	Agnese	Reke	Integrating cultural ecosystem services in Urban Nature Plans through Participatory Approaches: A Case Study of Riga
14.55	Javier	Babi Almenar	Biophysical and monetary modelling of air filtration by urban vegetation across Europe
15.05			Interactive panel discussion Integration of geodesign with ecosystem service and nature-based solution into planning
15.25			Session wrap up

### T17b – Advancing the role of ecosystem accounting in urban areas, fine-scale applications, and impact assessments

**Hosts:** T. Simensen, J. Babí Almenar, B. Czúcz, G. Rusch, C. Cortinovic, D. Geneletti, D.N. Barton, M. Korkou, R. Casagrandi

**Room:** Expert Street 6

Time	First name	Surname	Title of presentation
14:00–14:12	Bálint	Czúcz	The dependence of urban microclimate regulation on ecosystem characteristics – a qualitative evidence synthesis.
	Marton	Kiss	
14:12–14:24	Mattias	Gaglio	Wetland type matters: evaluating distinct sets of ecosystem services for reliable ecosystem accountings.
14:24–14:36	Graciela	Rusch	Biodiversity and ecosystem services in performance standards that evaluate impacts of infrastructure development projects.
14:36–14:48	Maria	Korkou	Policy and Planning Relevance of Oslo’s City’s Biodiversity Index.
14:48–15:00	Arron	Wilde-Tippett	Ecosystem accounting: pathways for impacting municipal spatial planning in Norway.
15:00–15:30			PANEL DISCUSSION & OPEN DEBATE

### T1b – The ES concept in science, policy, and practice – a constructive reflection on its use, potential and challenges

**Hosts:** C. Mann, R. Pastén, L. Loft, D. Mortelmans, M. Leone, L. Blaettler, L. Roco, C. Cerda, L. Inostroza

**Room:** Expert Street 7

Time	First name	Surname	Title of presentation
14:00–14:05	Roberto	Pastén	Introduction to sub session on challenges
14:05 –14:15	Chantal	Blom	well-being, SDGs and Natural Capital

14:25 –14:35	Ilse	Nijensteent	The concept of novel lans uses in Europe: data collection and linkages with ecosystem services well-being and biodiversity
14:35–14:45	Roberto	Pastén	Economic valuation of sediment retention and the impact of forest conservation
14:45–15:30	all		Final and joint debate: A constructive reflection on the use, potentials and challenges of the ES concept in science, policy and practice Session conclusion

### S3b – Financing and certifying forest- and tree-based ecosystem services

**Hosts:** S. Corticeiro, O. Wolf, H. Vieira, A. Lillebø, A. Sleurink, A. Bernasconi, L. Inostroza

**Room:** Expert Street 5

Time	First name	Surname	Title of presentation
14.00–14.05	Sofia Clémence	Corticeiro Dirac	Welcome/Introduction
14.05–14.20	Annerieke	Sleurink	FSC Verified Impact on Ecosystem Services: an added value for forest managers and companies.
14.20–14.30	Claudio	Petucco	Multisilva: a web-based decision support system to assess and simulate the provision of forest ecosystem services at the property level
14.30–14.40	Umar	Farooq	Introducing the DENS Framework: A Holistic Approach to Evaluating Green Finance Investments in Nature-Based Solutions.
14.40–14.50	Laqiqige	Zhu	Enhancing Afforestation in Ireland: Insights from a Choice Experiment Survey and Interviews Among Farmers
14.50–15.00	Sofia	Corticeiro	A European View on Forest Certification and Economic Considerations
15.00–15.10	Ziri	Louda	From nature-based solutions to nature-based governance: behavioural approach to understand human and non-human interactions
15.10–15.25			Discussion
15.25–15.30	Sofia Clémence	Corticeiro Dirac	Closing remark

### T12 – Understanding the linkages between global change, environmental degradation, biodiversity loss and human health and well-being

**Hosts:** N. Kabisch, J. Felix Drexler, T. Macintyre

**Room:** Expert Street 9

Time	First name	Surname	Title of presentation
14:00–14:10	Nadja	Kabisch	Session introduction

14:10–14:30	Felix	Drexler	Contribution of ecosystem degradation and biodiversity loss to the spread of zoonotic diseases – Introducing the Horizon Europe project ZOE
14:30–14:50	Lucinda	Kirkpatrick	Restoration in the Anthropocene – time for a One Health Perspective?
14:50–15:10	Tadhg	Macintyre	GoGreenNext Horizon Europe Project: Future-Proofing Urban Health
15:10–15:30		All	Discussion – follow up projects and joint policy brief

## Tuesday Evening: 16:00–18:00

### T7 – Making nature count: monetary valuation for transformation to nature-inclusive decision-making

**Hosts:** N. Polman, V. van 't Hoff, P. Roebeling, L. Magalhães-Filho, L. Brander, M. Siebers, W. Rodrigues

**Room:** Expert Steet 8

Time	First name	Surname	Title of presentation
16:00–16:15	Francisco	Alpizar	Keynote
16:15–16:27	Mark	Van Oorschot	Assessing the dependence on ecosystems of the economic and financial system, using the new ENCORE database
16:27–16:39	Caroline	van Leenders	Strategies To Scale-Up Payments For Ecosystem Services
16:39–16:51	Anna	Biasin	The economic and financing side of Nature-based Therapies (NbTs): an European perspective
16:51–17:03	Frits	Bos	How to measure the non-use value of nature in cost-benefit analysis: the case of Bonaire's coral reefs
17:03–17:15	Ferdinand	Lang	Consumer preferences for nature conservation certificates improving soil-related ecosystem services and biodiversity
17:15–17:27	Francesca	Leucci	The ES approach to damage valuation: costs, benefits and improved deterrence
17:27–17:39	Madli	Linder	Socioeconomic values of ecosystem services as a tool in decision-making in Estonia
17:39–17:51	Vince	Van 't Hoff	From dimes to decisions – Applying monetary values in local public decision making in the Netherlands
17:51–18:00	Session	hosts	Wrap-up: Making Nature Count

### T13c – Nature-based solutions with societal nexus as a key for transformative change

**Hosts:** D. Dushkova, D. Haase

**Room:** Success Avenue 1

**Time:** 16:00–18:00



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## B1 – Coastal ecosystem management: the role of ecosystem services in decision-making and restoration actions

**Hosts:** E. Drakou, S. Chen, M. Inácio, A. Sousa, A. Ruskule, F. R. Barboza, C. Chalkiasakis

**Room:** Expert Street 2

Time	First name	Surname	Title of presentation
16:00–16:12	Annelies	Boerema	Monitoring coastal NbS success
16:12–16:24	Stefanie	Broszeit	Creating a toolbox for interdisciplinary working on ecosystem services – A confidence framework
16:24–16:36	Miguel	Inácio	Application of the System of Environmental–Economic Accounting–Ecosystem Accounting (SEEA–EA) in coastal and marine ecosystems in Lithuania
16:36–16:48	Sebastian	Raimondo	Ecosystem Services of Venice Lagoon: Carbon Sequestration Dynamics in Salt Marshes and Seagrasses
16:48–17:00	Federico	Cornacchia	Integrated System Dynamics Modelling for the Economic Valuation of Manila clam Biomass Ecosystem Service in the Venice Lagoon
17:00–17:12	Ana	Sousa	Seagrass active restoration at a socio–ecological ecosystem
17:12–17:24	Sara	Pino Cobacho	Climate adaptation in coastal regions: a digital dashboard tool for decision–support and MCES assessment
17:24–17:36	Annelies	Boerema	Added value of ecological measures for sustainable marine infrastructure
17:36–17:48	Sylvie	Campagne	Meta–analysis and stakeholders’ perceptions analysis of changes in marine and coastal ecosystems services delivery
17:48–18:00	Clara	Villegas–palacio	Understanding the Complexity of Socio–Ecological Systems in Mangrove Forests: A Systems Dynamics Approach in a Case Study of the Colombian Pacific Coast

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## T8b – Nature on a plate. Linking people and nature in local food

**Hosts:** M. Derek, S. Kulczyk

**Room:** Expert Street 3

Time	First name	Surname	Title of presentation
16:00–16:05	Marta Sylwia	Derek Kulczyk	Intro to the session
16:05–16:10	Marta Sylwia	Derek Kulczyk	How local is local food? A systematic review of the concept
16:10–16:15	Tobias	Plieninger	Landscape products for linking people and nature
16:15–16:20	Sebastian	Candiago	A socio–ecological perspective to study local food systems: the case of winegrowing under climate change

16:20–16:25	Nynke	Schulp	Regional production of plant-based meat alternatives can support a transformation to sustainable food systems
16:25–16:30	Priya	Sharma	Teach a man to fish: Promoting sustainable food systems by harnessing the potential benefits of fishponds for society
16:30–17:00	Discussion		
17:00–17:05	Agita	Treimane	Pursuing multiple goals in forestry: does commercial thinning decrease bilberry cover and yield?
17:05–17:10	Krossy	Mavakala	Administrative bricolage in a bushmeat trade hub: decoding formal and informal interactions at Kinshasa's river ports
17:10–17:15	Luisa F.	Eusse-Villa	Societal Willingness to Pay for Wild Food Conservation in Italy
17:15–17:20	Lidia	Ponizy	Actively retired—benefits of gardening for elderly people
17:20–17:25	Naji	Sulaiman	Going or Returning to Nature? Insights from a Field Study on Wild Vegetable Uses in the Restaurant Industry of Lombardy, North Italy
17:25 – 8:00	DISCUSSION		

### **B10e – Assessing ecosystem conditions, services, and biodiversity in Urban Nature Plans: targets, methods, and indicators**

**Hosts:** C. Cortinovis, D. Geneletti, J. Kato Huerta

**Room:** Expert Street 4

<b>Time</b>	<b>First name</b>	<b>Surname</b>	<b>Title of presentation</b>
16:05 –16:15	Danial	Owen	Towards transformative urban nature-based solutions: the 3–30–300 rule
16:15 –16:25	Giulia	Jelo	Multi-scale GIS approach to assess land suitability to host greenery in compact euro-mediterranean cities
16:25–16:35	Ivo	Vinogradovs	Application of Spatial Conservation Prioritization Urban Green Infrastructure Planning
16:35–16:45	Viviana	Pappalardo	Modeling approaches for spatial planning and decisions with nature-based solutions: applications in a Sicilian case study
16:45–16:55	Ralf-Uwe	Syrbe	Updating national indicators on the accessibility of green spaces in German cities
16:55–17:05	Asef	Ayatollahi	Integrating Urban Biodiversity and Ecosystem Services Indicators into Social Impact Assessment of Re-Naturing Measures in Urban Areas
17:05–17:15	Michael	Leone	A strategy for community-based Urban Nature Monitoring
17:15–17:25	Joeri	Morpurgo	It is all about the vegetation: Assessing the condition of urban invertebrate biodiversity through DNA

			analysis, and mapping the capacity for urban green infrastructure to enhance biodiversity
17:25–17:35	Claudia	Dworczyk	Monitoring the supply of local climate regulation of urban trees using fine scale canopy height model data in Munich, Germany
17:35–17:45	Chiara	Cortinovis	Monitoring the impacts of urban greening policies: a comparative application of NDVI-based methods

## T5 – Ecosystem Services Modelling for Nature-based solutions

**Hosts:** S. Nedkov, K. Burkhard, T. Elliot, B. de Knecht, R. Remme, M. Balzan

**Room:** Expert Street 6

Time	First name	Surname	Title of presentation
16:00–16:05	Stoyan	Nedkov	Welcome and introduction
16:05–16:17	João	David	Assessing Urban Ecosystem Services to Support the EU Climate-Neutral and Smart Cities Mission
16:17–16:29	Margot	Neyret	One cannot have it all: trading-off ecosystem services and biodiversity bundles in landscape connectivity restoration
16:29–16:41	Arnout	van Soesbergen	Modelling and valuing agricultural NBS impacts on ES in the Pemba-Lichinga Integrated Development Corridor in Mozambique
16:41–16:53	Nicolas	Grondard	Assessing benefits of Nature-based Solutions for freshwater ecosystems restoration with a biophysical – economic modelling framework
16:53–17:05	Davide	Stucchi	Developing a Dynamical and Individual-based Urban Forest Model: how much Species diversity impact ES supply?
17:05–17:17	Swantje	Gebhardt	Investigating the interactions of habitat configuration and pesticide toxicity for pollination to evaluate opportunities for natural landscape element restoration
17:17–17:29	Aline	Pingarroni	Synergies and trade-offs between biodiversity and ecosystem services in tropical landscapes
17:29–17:41	Davide	Longato	Assessing ecosystem service demand in urban areas to support the spatial allocation and prioritization of nature-based solutions: an application in Valletta, Malta
17:41–18:00	Stoyan	Nedkov	Discussion and wrap up

## T9a – Exploring the connections between biodiversity and human health

**Hosts:** J. Costa, R. Boudewijns, I. Henriques, E. Decaestecker, B. Somers, S. Heremans

**Room:** Expert Street 7

Time	First name	Surname	Title of presentation
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16:00–16:12	Karine Lalaina	Mahefarisoa	Environmental, animal and human health: a “One Health” approach to protected area management and governance in Madagascar
16:12–16:24	Isabel	Henriques	The Influence of Microplastics on Pathogens and Antibiotic Resistance Spread in Rivers: A Portuguese River Case Study
16:24–16:36	Maria	Korneykova	Opportunistic fungi in urban arctic ecosystems (on the example of largest polar city Murmansk)
16:36–16:48	Rupert	Legg	The effects of urbanisation and climate change on the allergenicity of pollen within urban green spaces: A systematic review
16:48–17:00	Sarah	Smet	Use of scenarios to evaluate the impacts of nitrogen deposition on pollen allergy prevalence in Belgium through the lens of biodiversity losses.
17:00–17:12	Jana	Verboom	Pathways between nature and health; the role of awareness of nature
17:12–17:24	Marcelle	Lock	Benefits for human health through nature exposure in urban green space
17:24–18:00	All presenters	All presenters	Discussion session

### T1d – Human–Nature Relations for transformative change: a holistic perspective

**Hosts:** A. Mascarenhas, N. Dendoncker, C. Washbourne

**Room:** Expert Street 5

Time	First name	Surname	Title of presentation
16.10	Carla	Washbourne	Human–nature relations in the nitrogen cycle: insights from an overview of scientific literature
16.20	Julia	Diekämper	Network Nature Knowledge: a more holistic human–nature relations perspective
16.30	Anastasia	Van Der Meer	Just Green Urban Transitions: Analysing Multispecies Justice in Mexico City in Urban Greening and Urban Nature Governance
17.00	Dominique	Ghijselink	Relational values of nature: Outgrowing anthropocentrism by enriching human–nature relationships?
17.10	Silvia	Rova	Exploring plural values and ecosystem services perceptions to enable transformative change in the Venice lagoon, Italy.
17.20	Jana	Schluenss	About fish, farms, and fragility – a case study to enlighten human–nature relationships through a plural values assessment
17.30	Sarah	Nieß	Seeds of Change in Human–Insects Relations: Unfolding the Transformative Potential of a Gardening Intervention.



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## T8a – Ecosystem services and relational values – current state and the way forward

**Hosts:** J. Schild, C. Veerkamp, B. de Knecht, N. Schulp, S. de Vries

**Room:** Expert Street 9

Time	First name	Surname	Title of presentation
16.05–16.15	Sander	Jacobs	Scientist's relations with valuation of nature
16.15–16.25	Sjerp	de Vries	Relational values, nature connectedness and place attachment
16.25–16.35	Arjen	Buijs	Development of a scale to operationalize relational, instrumental and intrinsic values through the Nature Futures Framework
16.35–16.45	Mario	Balzan	Enhancing Ecosystem Restoration Through Nature-Based Tourism: Insights from the Maltese Islands
16.45–16.55	Martin	Bermudez-Urdaneta	Natural heritage inventories for understanding cultural ecosystem services in territorial planning: integrated heritage approach in Bogotá
16.55–17.05	Johannes	Langemeyer	Digital Relational Values: Insights from TikTok's Virtual Nature Experiences
17.05–17.15	Frans	Sijtsma	The Relational Value of Nature: Insights from Fifteen Years of Empirical PPGIS Research
17.15–18.00			Targeted discussion & Wrap-up

## • Day 3: Wednesday, 20 November 2024

### Wednesday Morning: 11:00–12:30

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## T11 – Interregional flows of ecosystem services / nature contributions to people

**Hosts:** T. Koellner, N. Schulp, M. Felipe-Lucia, E. Drakou

**Room:** Expert Street 8

Time	First name	Surname	Title of presentation
11:00	Alexandra	Marques	The role of Nature's Contributions to People in sustaining international trade of agricultural products
11:12	Gabriela	Rabeschini	Quantifying Nature's contributions to people embedded in international food trade
11:24	Anna	Mayer	Beyond boundaries: Identifying telecoupled flows of anthropogenic capitals in the co-production of nature's contributions to people
11:36	Davina	Vackarova	Conceptualizing ecosystem services footprint to unveil effects of consumption and international trade on ecosystem services

11:48	Charis	Chalkiadakis	Large-scale fisheries of West Africa: A regional assessment of benefit flows using spatiotemporal approach
12:00	Jakob	Bogenreuther	Biodiversity impact of food waste: Quantification for supply chain stages and products in Germany
12:12	Evangelia	Drakou	Transforming telecoupled supply chains through integrated modelling and participatory approaches

### T13a – Trade-offs in implementing nature-based solutions

**Hosts:** N. Kabisch, L. Inostroza

**Room:** Success Avenue 1

Time	First name	Surname	Title of presentation
11:00–11:05	Nadja Luis	Kabisch Inostroza	Session introduction
11:05–11:20	Carl	Anderson	A systematic review of urban ecosystem disservice classification systems and frameworks
11:20–11:35	Charlotte	Stijnen	Uncovering rivers, dreams and dilemmas: An urban river daylighting case study in New York City
11:35–11:50	Uta	Schirpke	Simulating urban heat mitigation in a virtual city to support the implementation of nature-based solutions in European cities
11:50–12:05	Atila	Kálmán	The multiple benefits of stormwater management in the implementation of nature-based solutions – the effectiveness of the Green City programme
12:05–12:20	Giorgiana	Raluca Barbu	Climate resilience through nature-based solutions: A network analysis approach
12:20–12:30	Nadja Luis	Kabisch Inostroza	Closing general discussion

### T19a – Ecosystem Services and Big Data: New Concepts, New Approaches, New Networks

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

**Room:** Expert Street 2

Time	First name	Surname	Title of presentation
11:00 –11:10	Andrea	Ghermandi	Social media data and cultural ecosystem services: Lessons learned and new research frontiers
11:10 –11:20	Fulvia	Calcagni	Objectivizing the subjective: co-creation of a standard protocol for cultural ecosystem services coding based on social media content
11:20 – 11:30	Michael	Sinclair	Mobile Phone Applications: A new Frontier of Big Data Collection
11:30 – 11:40	Luning	Li	Understanding urban green space usage from mobile phone application data

11:40 – 11:50	Johannes	Langemeyer	Virtual Communities for Transformative Change: How Human-Nature Experiences Trigger Digital Relational Values
11:50 – 2:00	Xueyuan	Liang	The identification and classification of digital relational values of urban natural environments in the weibo virtual community.
12:00–12:30	Discussion and Networking Opportunities		

### O1 – Early career voices and visions for ecosystem services research within the One Health framework in a time of global change

**Hosts:** N. Kaiser, K. Pham, D. Guarin, M. Kirby, M. Inácio, J. Shluenss, R. Bakain, M. Viota

**Room:** Expert Street 3

Time	First name	Surname	Title of presentation
11:00			Introduction of YESS and session organisation
11:10			Warm-up activities – mapping projects across EU from which YESSers are involved
11:20	Jomme	Desair	Empowering Early Career Researchers for Transformative Change in Biodiversity Research and Policy
11:30	Vince	van t' Hoff	Making Nature Count 2024 – Updating the ESVD in 2024 to fit supply and demand.
11:45	Luis	Inostroza	Understanding the academic and publishing ecosystem: An editor's perspective on scientific production
12:00	Ishaq Hafiz	Khuzama	Enhancing Ecosystem Services by Introducing Multifunctional Land Use Management in a Semiarid Pastoral System in Portugal.
12:10			World Café and Discussion

### O4 – Why would I work with others? Motivations for collaborations at landscape level

**Hosts:** F. Turkelboom, M. Torralba, N. Dendoncker, L. Vercruysse, E. Garau, D. Stella

**Room:** Expert Street 4

**Time:** 11:00 –12:30

### T6 – Increasing transparent and confidence across the generation and use of value factors in decision-making

**Hosts:** R. Portela, M. Lok, M. van Weelden

**Room:** Expert Street 6

**Time:** 11:00 –12:30

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### T1e – Working with Pluralistic Evaluation Framework: a participatory tool for planning and assessing transformative change

**Hosts:** A. Hejnowicz, R. Gunton

**Room:** Expert Street 7

**Time:** 11:00 –12:30

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### O7 – Transformative change; Building Public Private Partnerships

**Hosts:** P. Buffing, D. Grim, E. Kooijman, M. Siebers

**Room:** Expert Street 5

**Time:** 11:00 –12:30

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## ● Day 4: Thursday, 21 November 2024

### Thursday Morning: 11:00–12:30

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#### T4a – Integrating ecological and legal approaches to mapping and assessment of ecosystem services vulnerability, resilience, and restoration

**Hosts:** F. Leucci, P. Roche, A. Aragão, S. Campagne

**Room:** Expert Street 8

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Time	First name	Surname	Title of presentation
11:00 – 11:03			Introduction to the morning session “Measuring, mapping and assessing ES for resilience”
11:03 – 11:15	Philip	Roche	Post-Fire Recovery and Resilience of Ecosystem Services in Mediterranean-Type Ecosystems
11:16 – 11:28	Pavel	Cudlín	Vulnerability and resilience of selected ecosystem services in Central European Uplands
11:29 – 11:41	Lori	Giagnacovo	Detecting early-warning signals of resilience loss in ecosystems to avoid regime shifts and loss of ecosystem services
11:42 – 11:54	Elena	Todorova	Using Driver-Pressures-State-Impacts-Responses framework to form forest management solutions that foster resilience
11:55 –12:07	Anna Lilian	Gardossi	Remote Sensing-Based Mapping of Hedgerows: Enhancing Ecosystem Services
12:08 – 12:20	Zahra	Asadolahi	Monetary valuation of ecosystem services: As a way to protect Iran’s middle Zagros protected areas

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#### O2 – Transforming ecosystem services research through knowledge co-production and participatory approaches

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**Hosts:** I. Sieber, C. Cybèle, J. Kato-Huerta, A. Braun

**Room:** Success Avenue 1

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Time	First Name	Surname	Title of presentation
11:00–11:14	Connie	Lopez	Rural Community Perceptions of Nature's Contributions to People (NCP) in a Wet Forest Protected Area: A Case Study in Northwestern Colombia, South America.
11:14 – 11:28	Marcela	Torrez-Gomez	Multiscale and Multistakeholder Methodology for the Evaluation of Ecosystem Services at a National Scale
11:28– 11:42	Alhassan	Ibrahim	Challenges and transformations for large-scale peatland restoration: experience from working with European peat extraction stakeholders
11:42– 11:56	Miguel	Moreira	Participatory mapping as territorial co-management tool through the spatial depiction of ecosystem services in the Portuguese Biosphere Reserves
11:56– 12:10	Matteo	Giacomelli	Including the perspective of stakeholders in landscape planning through the Ecosystem Services co-production framework: an empirical exploration in Le Marche, Italy
12:10–12:24	Erica	Garau	Spatially combining social participatory with biophysical mapping. The role of landscape geographical components on perceived distribution of ES supply.

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### **B10f – Urban form and ecosystem delivering capacity – relations and implications for urban planning and governance**

**Hosts:** S. Salata, A. Shkaruba, A. Laura Pisello, E. De Angelis, K. Sepp, R. Veibiakkim

**Room:** Expert Street 2

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Time	First name	Surname	Title of presentation
11:00–11:10	Giedrius	Dabasinskas	Spatial and Temporal Changes in Supply and Demand for Ecosystem Services in Response to Urbanization: A Case Study in Vilnius, Lithuania
11:15–11:25	Pham Trung	Kien	Integrating ecosystem disservices into urban food garden planning: management strategies based on food-water-soil nexus perspective
11:30–11:40	Sabrina	Lai	The Influence of Urban Form on Regulating Urban Ecosystem Services
11:45–11:55	Beatrice	Mosso	Climate Adaptation in Normative Planning
12:00–12:10	Flavio	Stimilli	Wild boars, feral dogs, ticks and mites: ecosystem disservices are entering our cities. A comparison between the compact urban fabric of historic centers within city walls, the modern sprawl
12:15–12:25	Ruthi	Veibiakkim	Integrating Ecosystem Disservices into urban planning and design: a systematic review to identify gaps and directions for the future

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## S1b – Assessing trade-offs between ecosystem services in agroecological transitions of agrifood systems

**Hosts:** L. Madureira, C. Ferreira, M. Dantas, M. G. Santos

**Room:** Expert Street 3

Time	First name	Surname	Title of presentation
11:00	Lívia	Madureira	Introduction to the SS
11:10	Nicole	Cecchinato	The importance of land management practices for ecosystem services evaluation in Europe: a literature review
11:20	Cian	Blaix	Agroecological interventions contribute to greater climate change mitigation and biodiversity in Europe
11:30	Youssef	Wang-Touri	Improving soil quality while preserving farmeres' income: An ecosystem services-center conceptual framework
11:40	Lívia	Madureira	Integrated Assessment Framework for Socio-Ecological Trade-offs in Agroecological Transitions
11:50	Frédéric	Joly	Inferring regulating ecosystem services supplied by animal production systems from life cycle assessments
12:00	All	All	Discussion (Approaches, frameworks, methods, and tools; Metrics and indicators)

## T18a – Mainstreaming ecosystem services approach and fostering transformative governance to enhance planning in socio-ecological systems

**Hosts:** N. Claudia Caló, N. Scholz, S.Knauß

**Room:** Expert Street 4

Time	First name	Surname	Title of presentation
11:00–11:05	Nica Claudia; Nastasja; Stefan	Caló; Scholz; Knauß	Ecosystem services valorization for a better nature restoration governance in urban and peri-urban areas
11:05–11:15	Karsten	Grunewald	Ecosystem services and biodiversity in government and corporate accounting
11:15–11:25	Alessandro	Bosso	The assessment of ecosystem services as a tool to support governance, planning and policy making: the case of Emilia-Romagna region (Italy)
11:25–11:35	Franck	Binard	Overview on the environmental policy in Saint-Emilion area to enhance environment and biodiversity
11:35–11:45	Silvia	Ronchi	Planning for environmental Equity: Insights from Italian case studies
11:45–11:55	Asef	Ayatollahi	Role of Ecosystem Services and Urban Biodiversity Variables in Co-creation and Co-monitoring Procedures for Social Impact Assessment

11:55–12:05	Gargi	Vats	Exploring Socio–Cultural and Socio–Ecological Change Dynamics in an Indigenous Community of India
12:05–12:30	Q&A / Short World Café		

### S1c – Agroecology and nature-based solutions as transformative pathways towards sustainable agriculture

**Hosts:** M. Torralba, J. Schild, N. Schulp, B. de Knecht, L. van Bussel, C. Zagaria, M. Lof, L. Verkuil, S. le Clech'

**Room:** Expert Street 6

Time	First name	Surname	Title of presentation
11.00–11.05	Johanna	Schild	Session introduction
11.05–11.17	Susana	López Rodríguez	Diversified agricultural systems as a nature based solution to increase biodiversity and productivity
11.17–11.29	Sophie	Meier	Assessing wild bee habitat from landscape features
11.29–11.41	Jiri	Louda	The farmer's and resident's perspectives on implementation of nature-based solutions on agricultural land
11.41–11.53	Ton	de Nijs	Social cost-benefit analysis of field margins in the Hoeksche Waard, the Netherlands
11.53–12.20	Solen Marjolein	le Clech' Lof	Co-creation discussion about challenges and opportunities from different perspectives in small groups
12.20–12.30	Mario	Torralba Viorreta	Wrap-up

### B10d – Challenges and barriers of integrating ecosystem services science into urban planning for preventive public health

**Hosts:** K. Farley, D. Fletcher, N. Schoffelen

**Room:** Expert Street 7

**Time:** 11:00–12:30

### S1e – Operationalizing Ecosystem Services for agroecosystem One Health: data-driven insights, limits and interdisciplinary prospects

**Hosts:** D. Bormpoudakis, N. Stathopoulos, D. Aifantopoulo

**Room:** Expert Street 5

Time	First name	Surname	Title of presentation
11:00–11:5	Dimitrios	Bormpoudakis	Advancing agroecosystem resilience holistically: advancing a critical framework that links One Health, data-driven ecosystem science, and multispecies justice

11:10–11:20	Simone	Martino	The use of wellbeing and natural capital indicators as a foundational step towards a “One Health” approach in farming
11:25–11:35	Dimitrios	Sainidis	From trapping mosquitos to ecosystem disservices estimation: High-resolution, AI-based mapping of mosquito-related epidemiological and entomological risk in agroecosystems and rural ecosystems
11:40–11:50	Jonathan	Madeira Rocha	Multispecies health and digital agribusiness in the southern Brazil landscapes
12:55–12:05	Dora	Aifantopoulou	Mapping agroclimatic extremes and their impact on ecosystem services across the Mediterranean using climate reanalysis, climate projection and Earth Observation data
12:10–12:20	Helle	Hestbjerg	The impact of soil management and climate stressors on soil biodiversity and multifunctionality

## 06 – Communicating nature’s benefits in protected areas – from theory to practice

**Hosts:** I. Bouwma, T. van der Sluis

**Room:** Expert Street 9

## Thursday Mid-Day: 13:30–15:30

### T4a – Integrating ecological and legal approaches to mapping and assessment of ecosystem services vulnerability, resilience, and restoration

**Hosts:** F. Leucci, P. Roche, A. Aragão, S. Campagne

**Room:** Expert Street 8

Time	First name	Surname	Title of presentation
13:30–13:32			Introduction to the afternoon session “Measuring, mapping and assessing ES for restoration”
13:33 –13:45	Hendrik	Schoukens	The Environmental Damage Directive and wetlands: What lessons can be learned from the CJEU’s 2020 German Drainage decision?
13:46 –13:58	Giedrius	Dabasinskas	Impact of peatland restoration on the value of ecosystem services provided by wetland ecosystems in Lithuania
13:59 –14:11	Ifigenia	Kagalou	Regulating Ecosystem Services (RES) impacted by hydro-morphological alterations in Mediterranean Lakes: a national assessment
14:12 – 14:24	Ioannis P.	Kokkoris	Geodiversity: steps towards the MAES implementation in Greece
14:25 –14:37	Vahid	Amini Parsa	Which landscape metrics support soil retention ecosystem service? Identifying the thresholds of patch shape for sustainable soil retention in forests



14:38 –14:50	Francesca	Leucci	The ES approach to damage valuation: costs, benefits and improved deterrence
14:51 – 15:03	Alexandra	Aragão	Cultural ecosystem services and human rights laws: improving the Rosetta Stone effect
15:04 –15:15	Eshan	Pashanejad	Balancing Ecosystem Services and Agriculture in the Canadian Prairies: A Spatial Decision-Making Approach for Implementation
15:15–15:30			Wrap-up of the whole session by the hosts

## O2 – Transforming ecosystem services research through knowledge co-production and participatory approaches

**Hosts:** I. Sieber, C. Cybèle, J. Kato-Huerta, A. Braun

**Room:** Success Avenue 1

Time	First name	Surname	Title of presentation
13:30–13:42	Cecilia	Zagaria	Co-developing and operationalizing a Multi-Criteria Analysis framework for the monitoring and evaluation of agroecological farming systems in Europe
13:42–13:54	Loes	Verkuil	Perceptions of drivers and ecosystem services by agroecological farmers in the Netherlands
13:54–14:06	Swantje	Gebhard	A participatory planning tool to share knowledge and discuss landscape tradeoffs between ecosystem services and to inform implementation of Nature-based Solutions
14:06–14:18	Gerid	Hager	Observing biodiversity and ecosystem services with farmers: bottom-up pathways for engagement and knowledge co-production
14:18–14:30	Annemarie	Walczuck	Future Proof Grasslands: Enhancing Ecosystem Services through Effective Governance and Integrated Water
14:30–14:42	Edgars	Jūrmalis	Forest, park or nature conservation area? Engaging stakeholders in studying forest recreation.
14:42 – 14:54	Eliska	Tichopa	Collaborative Management of Ecosystem Services: Participatory Workshops in Natura 2000 Areas
14:54 – 15:06	Eirini	Gallou	Practice-based reflections on the transformative potential and co-production capacity of methods for CES values capturing: lessons from small island context
15:06 – 15:30	Ina	Sieber	The Transformative Potential of Participatory and Co-production Approaches in Ecosystem Services Research

## B10f – Urban form and ecosystem delivering capacity – relations and implications for urban planning and governance

**Hosts:** S. Salata, A. Shkaruba, A. Laura Pisello, E. De Angelis, K. Sepp, R. Veibiakkim

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**Room: Expert Street 2**

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<b>Time</b>	<b>First name</b>	<b>Surname</b>	<b>Title of presentation</b>
13:30-13:40	Anton	Shkaruba	Ecosystem Disservices as a tool for community engagement to the planning process
13:45-13:55	Ruthi	Veibiakkim	Understanding Ecosystem Disservices: a cross-Eurasian perspective
14:00-14:10	Abhishek Kumar	Verma	Community Preferences and Perceptions of Urban Trees for Maximizing Ecosystem Services: A Survey-Based Study in Varanasi, India
14:15-14:25	Janneke	van Oorschot	Optimizing green and grey infrastructure planning for sustainable urban development
14:30-14:40	Marcin	Spyra	Ecosystem Services Trade-offs in Peri-urban Landscapes: Drivers, Governance Obstacles and Improvements
14:45-14:55	Shamik	Chakraborty	Emerging patterns of urban sustainability through urban blue/green spaces: Navigating problems and prospects through empirical cases
15:00-15:10	Beatriz	Fernández de Manuel	MuGIP: an Index to assess multifunctionality of nature-based solutions in a World Heritage City
15:15-15:30	Organizers		WRAP UP

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**S1b – Assessing trade-offs between ecosystem services in agroecological transitions of agrifood systems**

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**Hosts:** L. Madureira, C. Ferreira, M. Dantas, M. G. Santos

**Room: Expert Street 3**

<b>Time</b>	<b>First name</b>	<b>Surname</b>	<b>Title of presentation</b>
13:30	Claudio	Petucco	Coupling Agent-Based Modelling, Life Cycle Assessment, and ecosystem modelling for the sustainability assessments of agricultural systems: an application to farmer clusters
13:40	Marco	Moretti	An evaluation of the crop sequences adopted by potato growers in Flanders, Belgium
13:50	Sylvia	Vetter	Carbon dioxide removal through Enhanced Rock Weathering: impacts on ecosystem services
14:10	Ana	Márquez-Barrenechea	Microbial diversity in tomato rhizosphere soil under varying agroecological management
14:20	Megan	Critchley	Mapping the potential for cocoa agroforestry as an Nbs in Ghana: can national scale ES assessments support transformational change?
14:30	Suvangi	Rath	Spatio-Temporal Dynamics and Valuation of Agricultural Ecosystem Services in Eastern India
14:40	All	All	Discussion (Metrics, indicators, Policies, strategies, and practices)

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## B10b – Adaptation to urban climate change through ecosystem services: a critical journey to integrate ecosystem services into climate-sensitive planning for a multi-risk purpose

**Hosts:** L. Zardo, M. Granceri Bradaschia, B. Burkhard, F. Musco, D. Longato, S. Ronchi, C. De Luc

**Room:** Expert Street 4

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Time	First name	Surname	Title of presentation
13.30– 13.40	Blal	Adem Esmail	Investigating nature-based solutions potential to mitigate urban pluvial flooding: A case study in Bochum, Germany
13.40– 13.50	Chiara	Parretta	Assessing the contribution of private gardens to urban water flow regulation using Storm Water Management Model (SWMM)
13.50–14.00	Mattia	Bertin	Ecosystem performance of the diffuse city. A quantitative analysis of sustainability outlook in north-eastern Italy
14.00–14.10	Andrea	Ortiz Vargas	Opportunities of ecosystem service assessments to inform the different phases of disaster risk management
14.10 –14.20	Alessandra	Longo	In the pursuit of urban climate adaptation: an NbS planning toolkit for decision-makers
14.20 –14.30	Davide	Longato	What policy instruments can be used to promote nature-based solutions in urban plans? A review of real-world cases
14.30 –14.40	Federica	Isola	Integrating Ecosystem Services into Planning: A Methodological approach for Mapping and Assessing Habitat Quality and Climate Regulation
14.40 –14.50	Stefano	Salata	How Ecosystem Mapping can support Climate Neutrality. The case of Turin (Italy)
14.50 – 5.00	Annelies	Boerema	Quantify the multiple benefits of climate mitigation measures in urban regions
15.00 – 15.10	Federica	Leone	Carbon capture and storage within climate change mitigation measures: An assessment concerning the functional urban areas of three Italian Regions
15.10 –15.30			Wrap-up and final discussion

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## T1f – Challenges and opportunities of ecosystem services assessments on small and medium islands

**Hosts:** E. Drakou, J. Martínez-López, R. Suzette Lorilla, I. Vogiatzakis, M. Balzan, D. Bazzucchi

**Room:** Expert Street 6

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Time	First name	Surname	Title of presentation
13:30–13:40	Evangelia	Drakou	Small and medium islands and their contributions to people: a literature review within the European context
13:40–13:50	Ioannis	Vogiatzakis	The natural capital of European islands: towards common protocols of assessment

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13:50–14:00	Miriam	Montero-Hidalgo	Assessment of nature recreation associated with coastal ecosystems in the Canary Islands through maps, indicators, and stakeholders' perceptions.
14:00–14:10	Christos	Zoumides	Tourism-induced impacts and transformations on small and medium islands: Implications for Ecosystem Services from Tourists' Food Consumption in Cyprus
14:10–14:20	Savvas	Zotos	The contribution of the N2K network to ecosystem services in an island state: The case study of Cyprus
14:20–14:40	Alistair	McVittie	Developing a natural capital assessment and land use decision tool for Montserrat
14:40–14:50	Rex	Steward	Navigating the spatial trade-offs between ecosystem services in Curacao: Land use modeling for scenario assessment
14:50–15:00	Pierre	Chopin	"Navigating the Tides of Change: Challenges and Opportunities in Ecosystem Services Assessments on Small and Medium Islands"
15:00 – 15:30		Group Discussion	

#### **T4b – Mapping ecosystem services to foster transformative societal change: looking at the past and the way forward**

**Hosts:** S. Le Clec'h, M. Villoslada, B. Burkard, W. Willemen

**Room:** Expert Street 7

<b>Time</b>	<b>First name</b>	<b>Surname</b>	<b>Title of presentation</b>
13:30–13:35	Benjamin	Burkhard	Introduction to the session
	Miguel	Villoslada	
	Solen	Le Clec'h	
	Wieteke	Willemen	
13:35–13:55	Johannes	Langemeyer	From ecosystem services to vulnerability mapping – Shifting paradigms in strategic planning
	Raúl	Hernández-Marchena	Nature-based Landslide Mitigation Economic Assessment
	Luis	Inostroza	Integrating ecosystem services into urban planning. Analysis, mapping and marginal valuation of ecosystem services in Bogotá, Colombia
13:55–14:15	Andrea Larissa	Boesing	Accounting for spatial interactions in the upscaling of ecosystem services
	Bálint	Czúcz	Modelling the honey provisioning capacity of ecosystems – a systematic review
	Marco	Lovric	Spatial patterns of income, supply and demand for forest ecosystem services in Europe
14:15–14:35	Louise	Willemen	A world of information: mapping decisions for sound decision making
	Stoyan	Nedkov	Integrated mapping of ecosystem services to support sustainable river basin management
	Lina María	Hoyos Rojas	Mapping Cultural Ecosystem Services and Willingness to Care in Mafra, Portugal: Insights from Participatory Spatial Analysis



14:35–15:15	All		World cafe
15:15–15:25	All		Plenary discussion
15:25–15:30	Benjamin Miguel Solen Wieteke	Burkhard Villoslada Le Clec'h Willemen	Wrap-up

## T9b – Healthy ecosystems for healthy people: Evidence-based benefits of nature exposure to human health

**Hosts:** S. Pouso, M. C. Uyarra, R. Oh, A. Burov

**Room:** Expert Street 5

Time	First name	Surname	Title of presentation
13:30			
13:35	Yuanyuan	Mao	Not Your Typical Treatment: Quantifying the Influence of Urban Nature Types on Mental Health
13:48	Sjerp	De Vries	Domestic gardens, private green space, and human health: associations for 21 types of health conditions
14:01	Adrian	Hoppa	Are parks sufficient to implement nature-based recreation in urban spaces?
14:14	Tomasz	Grzyb	Cultural ecosystem services and ecosystem disservices as well-being agents: linkages and drivers in the urban riverscape context
14:27	Sarai	Pouso	How marine recreational activities affect human health and wellbeing?
14:40	Uta	Schirpke	Benefits to people of mountain soundscapes
14:53	Chiara-Charlotte	Iodice	A healthier planet for all – green and blue spaces and their benefits for mental health: Co-creation approaches of the GreenME project
15:06	Rachel	Oh	Assessing the prevalence and bias of study designs in nature and mental-health studies.
15:19			Time for Discussion

## O5 – Communities of practice – how to make them truly transformative?

**Hosts:** I. Liekens, M. Siebers, D. Cuypers, J. Nau

**Room:** Expert Street 9

**Time:** 13:30–15:30

# Appendix II.

## Detailed posters program

The poster session will take place on Monday, 18 November, from 17:30–19:00 in the W-Invite room and on Wednesday, 20 November, from 13:30–15:00 in the HugoTech room.

Below you can see the list of posters that will be presented during this poster session. We invite all to join the poster sessions.

### Thematic Working Group Posters (T)

- (T1a) Social-Cultural Dynamics and Biodiversity: Developing Indicators for Cultural Ecosystem Services and Disservices in German Cultural Landscapes – Christina Trujillo Frede, et al.
- (T1d-1) Putting the One Health concept into practice through a transdisciplinary research project – Sabrina Gaba, et al.
- (T2) Developing an integrated index for applying ecosystem services, as decision support systems – Mostafa Keshtkar, et al.
- (T3-1) Natural and Anthropogenic factors driving ecosystem services supply and distribution in Mediterranean agroecosystems – María R. Felipe-Lucia, et al.
- (T3-2) Land Equivalent Ratio as a productivity indicator for diversified agricultural systems – Susana Lopez Rodriguez
- (T4a-1) Balancing Ecosystem Services and Agriculture in the Canadian Prairies: A Spatial Decision-Making Approach for Sustainable Policy Implementation – Ehsan Pashanejad, et al.
- (T4a-2) Monetary valuation of ecosystem services: As a way to protect Iran's middle Zagros protected areas – Zahra Asadolahi, et al.
- (T4b-1) Athene – Local government platform for incorporating biodiversity data and support decisions about ecosystem services, in the Central Brazilian Cerrado – Ana Paula Camelo, et al.
- (T4b-2) Correlative species distribution modelling of near-threatened birds in Sweden – Xi-Lillian Pang
- (T5-2) Safeguarding Sacred Lands: The Van Panchayat Approach to Biodiversity in the kailash Sacred Landscape – Shalini Rawat, et al.
- (T5-3) ASSESSMENT OF GREEN-BLUE INFRASTRUCTURE AT THE MUNICIPAL LEVEL IN THE BASQUE COUNTRY – Lorena Peña, et al.
- (T7-1) Citizens preferences and willingness to pay for forest ecosystem services in Europe – Costanza Chimisso, et al.



- (T7-2) Monetary valuation of ecosystem services helps justify and facilitate transformative change towards sustainable nature management: examples from LIFE habitat restoration projects in Lithuania – Vytautas Narusevicius, et al.
- (T8a-2) KlimaOasen – A participatory process to develop nature-based solutions at the University of Stuttgart – André Mascarenhas, et al.
- (T8a-3) Plural values of soil-mediated nature's contributions to people in sustainable soil management – Katja Schmidt, Daniel Johnson, et al.
- (T8a-4) ESS-certificates save the world – at least orchard meadows – Hannes Bürckmann, et al.
- (T8b-1) Investigating the Impact of Food Security on Ecosystem Services' Nexus in Iran over a 25 Year Period – Mostafa Keshtkar, et al.
- (T8b-2) Provisioning and Cultural Ecosystem Services based on wild plants in the Pieniny Mountains – Agnieszka Nowak-Olejnik
- (T9a-1) Co-production of knowledge beyond One Health in a local case study: the socio-ecological system of the Bay of Plentzia – Andrea Albert Fonseca, et al.
- (T9a-2) Indicators for assessing the medicinal and aromatic potential of plant taxa: the endemic flora of Peloponnese, Greece – Alexian Cheminal, et al.
- (T9a-3) Subjective greenspace exposure does not directly influence self-reported health & wellbeing – Marie-Theres Meemken, et al.
- (T9a-4) How to Assess the Impact of Forest Degradation on Biodiversity Loss at the Landscape Scale? – A Review on Landscape Metrics – Henning Schumacher, et al.
- (T9b-1) Social-ecological resilience through the lens of community health – access to nature in Plovdiv city and its recreational functional urban area – Angel Burov, et al.
- (T9b-3) Healing Landscapes: How Ecosystem Services Enhance Our Well-Being – Oboh Staur Okosun, et al
- (T13b-1) Ecosystem services provided by peatlands in hemiboreal landscape – Arta Bārdule, et al.
- (T13b-2) Exploring Transformative Climate Change Adaptation through Nature-Based Solutions Potential Disaster Risk Reduction in Coastal Areas – Fabienne Horneman, et al.
- (T13b-3) Ecosystem Services in urban regeneration projects by NBS key – Emanuele Asnaghi, et al.
- (T13b-4) Designing Systems of Systems: Connecting Resources and Mapping Assets for Ecological Citizen(s) – Robert Phillips, et al.

## Biome Working Group Posters (B)

- (B1-1) Socioeconomic Value of Mangrove Ecosystems in the Kapatchez delta, Western Guinea – Roger DELAMOU, et al.



- (B1-2) Are the Greek beaches accessible to all? Monetary valuation and mapping of recreational ecosystem services for wheelchair users – Valentini Stamatiado, et al.
- (B2-1) Water for growth or development for Water? Present Water security indicators for Iran's semi-arid area – Zahra Asadolahi, et al.
- (B2-2) Small Scale Fisheries Livelihood options for Ethnic Malaha community in Koshi River Basin, Nepal – Nelson Pokharel
- (B8) An Ecosystem Services Assessment towards the adoption of a Climate Change Adaptation Plan in the Province of Trento (Italy) – Mattias Gaglio, et al.
- (B10a) Integrated assessment of health and wellbeing benefits for the 3-30-300 urban greening rule for multiple ecosystem service outcomes. – Danial Owen, et al.
- (B10b-1) A systematic integration and monitoring of ecosystem services generation on buildings – Katharina Hecht, et al.
- (B10b-2) NBS4Water – Nature-based solutions for urban water security: A case study in Asmara, Eritrea – Blal ADEM ESMail, et al.
- (B10c-1) Assessing the effectiveness of nature-based solutions in cities – Meng Li, et al.
- (B10c-2) A method developed to mapping recreational fishing ecosystem services supply in lakes located in northern latitudes. – Paulo Pereira, et al.
- (B10c-3) Spatial accessibility as main driver for cultural ecosystem service demand in Finnish urban areas. A case study with recommendations for urban planning. – Anita Poturalska, et al.
- (B10c-4) Favorite Services, Preferred Species, and Avoided Places: Analysing Visitors' Preferences and Use of a Natural Park in Bucharest, Romania – Dan Bărbulescu, et al.
- (B10c-5) Nature-based Solutions: Modeling to Support Practical Challenges – Nalini S. Rao, et al.
- (B10c-6) The MaCoBioS Blue NbS Toolbox – breaking the ground for marine and coastal NbS design and implementation – Bruna Almeida, et al.
- (B10c-7) City Explorer Toolkit – a planning tool to translate Ecosystem Service science into urban planning guidance – David Fletcher, et al.
- (B10c-8) Quantify and evaluate the multi-benefit provided by wetlands in different spatial context – Nicoletta Denaro, et al.
- (B10c-9) The Management of rainwater runoff in urban areas for tackling extreme hydroclimatic events (Springiness) – Tereza Hnátková, et al.
- (B10c-10) Urban Wastelands: Hidden Biodiversity Sources and Ecosystem Service Providers in City Planning – Piotr Archiciński, et al.
- (B10d-1) Ecosystem services in the eyes of urban residents: a study of green spaces – Adrian Hoppa, et al.





- (B10d-2) Evaluating the relationship between air pollution, recreational ecosystem services, and maternal & child health equity: A case of Bengaluru, India – Divya Subramanian, et al.
- (B10e-1) What spatial quantitative digital tools are used to support the planning of green infrastructure for biodiversity? – Etsuko Nonaka, et al.
- (B10e-2) Ecosystem Service Assessment in Kabul City: Integrating Remote Sensing and Spatial Analysis Techniques – Mohammad Reza Ansari, et al.
- (B10f) MuGIP: an Index to assess multifunctionality of nature-based solutions in a World Heritage City – Beatriz Fernández de Manuel, et al.

## Sectoral Working Group Posters (S)

- (S1a-1) Integrating Circular Bio-Based Solutions in European Rural Areas: Insights from the BioRural Workshop on Ecosystem Services and Agroecological Transitions – João Santos, et al
- (S1a-2) Harnessing Thyme Species' Ecosystem Services as Bioherbicides to Enhance Biodiversity Conservation and Support Sustainable Agroecosystems – Daniela Duarte, et al.
- (S1b) Deforestation-induced changes in rainfall decrease soybean-maize yields in Brazil – Fabiana de Souza Batista, et al.
- (S1c) Restoring Aquatic Vegetation as a Nature-Based Solution in Po Delta Drainage Canals: Exploring the Potential for Payment for Ecosystem Services Schemes – Fabio Vincenzi, et al.
- (S1e-1) Linking soils in agroecosystems to human wellbeing through a data-driven modelling approach – Danial Owen, et al.
- (S1e-2) The BIOTICHES project: Diagnosing biodiversity, ecosystem services and human health using big data and joint modelling approaches. – Roelof Zwaan, et al.
- (S3a-1) Towards better management of human altered-ecosystems: forest roads as providers of ecosystem (dis)services in Latvia – Linda Gerra-Inohosa, et al.
- (S3a-2) Impact of forest management and abandonment on the multifunctionality of forest systems in the Urdaibai Biosphere Reserve – Unai Ortega, et al.
- (S3a-3) Habitat provision for plants and birds in native forests and exotic plantations of the Basque Country – Unai Sertutxa, et al.
- (S3a-4) Forest Ecosystem Services: Perspectives on Human Demand, Ecological Supply, and Societal Values in the Himalayas – Shipra Singh, et al.
- (S3a-5) Lessons from Local community perspectives on Ecosystem Services and Disservices from Invasive Alien plant species in the Lake Zone, Tanzania – NEEMA MTENGA, et al.

- (S3b-1) Network of demonstration sites for forest ecosystem services in Portugal – André Fonseca, et al.
- (S3b-2) Valuation of small private forest land through Ecosystem Services certification – André Fonseca, et al.
- (S3b-3) Forest Certification for Ecosystem Services: case study for sustainable management of oak forests in Galicia, northwestern Spain – Ignacio J. Diaz-Maroto
- (S3b-4) Forest management impacts on fauna: the role of forest certification – Joana Pinto, et al.

## Open Session Posters (O)

- (O1-1) Evaluation of regulating ecosystem services in urban landscapes: a case study of Sofia, Bulgaria – Ivaylo Ananiev, et al.
- (O1-2) The role of researchers in fostering transformative change – Silvia Rova, et al.
- (O1-3) Linking land use intensification to assess ecosystem health in Lithuania – Gintare Sujetoviene, et al.
- (O1-4) Habitat Status of Wild Food Plants during the Syrian Crisis: An Abundance Assessment – Naji Sulaiman
- (O2-1) Knowledge Co-Creation for Enhanced Ecosystem Services Management on Islands – Ina Sieber, et al.
- (O2-2) Co-design to maximise urban ecosystem services of blue and green spaces for vulnerable urban populations – Bep Schrammeijer, et al.
- (O2-3) Lessons learned: Stakeholder participation in environmental evidence syntheses – Tinka Kuhn, et al.
- (O2-4) Cultural ecosystem services of landscape elements and application in spatial planning – Barbara Kostanjsek, et al.
- (O2-5) The Brazilian National Policy on Payment for Environmental Services: the imbalanced representation of stakeholders in the policy process – Débora Naidhig, et al.



# Appendix III.

## Timetable and Rooms Overview

<b>Monday (18 November 2024)</b>		<b>Room</b>
<b>11:00 – 12:30</b>	B8 - Ecosystem Services, Global Change and human health in Arctic and mountain regions: Challenges and solution, U. Schirpke & M. Villoslada et al.	<b>Expert Street 9</b>
	S6a - Transforming business conduct: Integrating the value provided by nature and people in private sector decision-making, M. Van Weelden et al.	<b>Expert Street 5</b>
	S6b - Setting standards for biodiversity and ecosystem services for the corporate sector, B. Matzdorf et al.	<b>Expert Street 3</b>
	T1c - Conceptual mismatch: how to reconcile ecosystem services, One Health, and other buzzwords to achieve real transformative impact?, S. Lhoest et al.	<b>Expert Street 6</b>
	T3 - Indicators for monitoring Ecosystem Services and Nature-Based Solutions in relation to the Global Biodiversity Framework, A. Van Oudenhoven et al.	<b>Expert Street 4</b>
	T13d - Can minimum requirements for Nature-based solutions support the implementation and reduce risks of greenwashing in EU marine and coastal environments?, C. Riisager-Simonsen et al.	<b>Expert Street 7</b>
	T17a - Natural Capital Accounting in economy and finance, A. La Notte et al.	<b>Success Avenue 1</b>
	T18b - Ecosystem services science for evidence-based transformative change in decision-making, B. Burkhard et al.	<b>Expert Street 8</b>
	T20 - Advancing Health Equity and Environmental Justice through Ecosystem Service Research, F. Baró et al	<b>Expert Street 2</b>
<b>14:00 – 15:30</b>	B2 - Living waters: Ecosystem services of freshwater biodiversity, H. Hanh Nguyen & H. Habersack et al	<b>Expert Street 6</b>
	B8 - Ecosystem Services, Global Change and human health in Arctic and mountain regions: Challenges and solution, U. Schirpke & M. Villoslada et al.	<b>Expert Street 9</b>
	B10a - Assessing health and well-being ecosystem service benefits from Nature-Based Solutions across urban/peri-urban landscapes, P. Roebeling et al.	<b>Expert Street 3</b>
	S1a - Leveraging ecosystem services for agroecological transitions, P. Castro & H. Freitas et al	<b>Expert Street 7</b>

	S1d - Co-designing biodiversity measures with farmers: Dos and Donts, F. Herzog et al.	<b>Expert Street 4</b>
	T13b - Linking Ecosystem Services and Nature-based Solutions for Transformative Change, E. Cabecinha et al.	<b>Success Avenue 1</b>
	T18b - Ecosystem services science for evidence-based transformative change in decision-making, B. Burkhard et al.	<b>Expert Street 8</b>
	T19b - Artificial Intelligence and Ecosystem Services – Advancements in AI in the field of ecosystem services for transformative change, V. van 't Hoff, P. Cabral & F. Akinyemi et al.	<b>Expert Street 5</b>
	T20 - Advancing Health Equity and Environmental Justice through Ecosystem Service Research, F. Baró et al.	<b>Expert Street 2</b>
<b>16:00 – 17:30</b>	B2 - Living waters: Ecosystem services of freshwater biodiversity, H. Hanh Nguyen & H. Habersack et al	<b>Expert Street 6</b>
	B10a - Assessing health and well-being ecosystem service benefits from Nature-Based Solutions across urban/peri-urban landscapes, P. Roebeling et al.	<b>Expert Street 3</b>
	O3 - Teaching ecosystem services around the globe – your lessons learnt, N. Schwarz et al.	<b>Expert Street 2</b>
	S1a - Leveraging ecosystem services for agroecological transitions, P. Castro & H. Freitas et al	<b>Expert Street 7</b>
	S1d - Co-designing biodiversity measures with farmers: Dos and Donts, F. Herzog et al.	<b>Expert Street 4</b>
	T13b - Linking Ecosystem Services and Nature-based Solutions for Transformative Change, E. Cabecinha et al.	<b>Success Avenue 1</b>
	T18b - Ecosystem services science for evidence-based transformative change in decision-making, B. Burkhard et al.	<b>Expert Street 8</b>
	T19b - Artificial Intelligence and Ecosystem Services – Advancements in AI in the field of ecosystem services for transformative change, V. van 't Hoff, P. Cabral & F. Akinyemi et al.	<b>Expert Street 5</b>
<b>Tuesday (19 November 2024)</b>		<b>Room</b>
<b>11:00 – 12:30</b>	B10c - Tools and approaches for integrating ecosystem services and nature-based solutions in landscape and urban planning and policy, U. Mörtberg & R. Remme et al.	<b>Expert Street 4</b>
	S3a - Forests for a better world: ecosystem, human and economic perspectives, C. Carvalho-Santos et al.	<b>Expert Street 5</b>
	T1a - Operationalizing the IPBES framework in place based socio-ecological systems research, N. Robert Kinabo et al.	<b>Expert Street 2</b>



	T1b - The ES concept in science, policy and practice - a constructive reflection on its use, potential and challenges, C. Mann & R. Pastén et al.	<b>Expert Street 7</b>
	T1e - Working with the Pluralistic Evaluation Framework: a participatory tool for planning and assessing transformative change, A. Hejnowicz et al.	<b>Expert Street 9</b>
	T2 - Assessing Ecosystem Condition: Integrating Science, Policy, and Practice, F. Santos Martín & P. Roche et al.	<b>Expert Street 3</b>
	T7 - Making nature count: monetary valuation for transformation to nature-inclusive decision-making, N. Polman et al.	<b>Expert Street 8</b>
	T13c - Nature-based solutions with societal nexus as a key for transformative change, D. Dushkova et al.	<b>Success Avenue 1</b>
	T17b - Advancing the role of ecosystem accounting in urban areas, fine-scale applications, and impact assessments, J. Babí Almenar & T. Simensen et al.	<b>Expert Street 6</b>
<b>14:00 – 15:30</b>	B10c - Tools and approaches for integrating ecosystem services and nature-based solutions in landscape and urban planning and policy, U. Mörtberg & R. Remme et al.	<b>Expert Street 4</b>
	S3b - Financing and certifying forest- and tree-based ecosystem services, O. Wolf & S. Corticeiro et al.	<b>Expert Street 5</b>
	T1a - Operationalizing the IPBES framework in place based socio-ecological systems research, N. Robert Kinabo et al.	<b>Expert Street 2</b>
	T1b - The ES concept in science, policy and practice - a constructive reflection on its use, potential and challenges, C. Mann & R. Pastén et al.	<b>Expert Street 7</b>
	T2 - Assessing Ecosystem Condition: Integrating Science, Policy, and Practice, F. Santos Martín & P. Roche et al.	<b>Expert Street 3</b>
	T7 - Making nature count: monetary valuation for transformation to nature-inclusive decision-making, N. Polman et al.	<b>Expert Street 8</b>
	T12 - Understanding the linkages between global change, environmental degradation, biodiversity loss and human health and well-being, N. Kabisch et al.	<b>Expert Street 9</b>
	T13c - Nature-based solutions with societal nexus as a key for transformative change, D. Dushkova et al.	<b>Success Avenue 1</b>
	T17b - Advancing the role of ecosystem accounting in urban areas, fine-scale applications, and impact assessments, J. Babí Almenar & T. Simensen et al.	<b>Expert Street 6</b>
<b>16:00 – 18:00</b>	B1 - Coastal ecosystem management: the role of ecosystem services in decision-making and restoration actions, E. Drakou & S. Chen et al.	<b>Expert Street 2</b>

	B10e - Assessing ecosystem conditions, services, and biodiversity in Urban Nature Plans: targets, methods, and indicators, C. Cortinovis et al.	<b>Expert Street 4</b>
	T1d - Human-Nature Relations for transformative change: a holistic perspective, A. Mascarenhas et al.	<b>Expert Street 5</b>
	T5 - Ecosystem Services Modelling for Nature-based Solutions, S. Nedkov et al.	<b>Expert Street 6</b>
	T7 - Making nature count: monetary valuation for transformation to nature-inclusive decision-making, N. Polman et al.	<b>Expert Street 8</b>
	T8a - Ecosystem services and relational values - current state and the way forward, J. Schild et al.	<b>Expert Street 9</b>
	T8b - Nature on a plate. Linking people and nature in local food, M. Derek et al.	<b>Expert Street 3</b>
	T9a - Exploring the connections between biodiversity and human health, J. Cardoso Costa & R. Boudewijns et al.	<b>Expert Street 7</b>
	T13c - Nature-based solutions with societal nexus as a key for transformative change, D. Dushkova et al.	<b>Success Avenue 1</b>
<b>Wednesday (20 November 2024)</b>		<b>Room</b>
<b>11:00 – 12:30</b>	O1 - Early career voices and visions for ecosystem services research within the One Health framework in a time of global change, N. Kaiser & K. Pham et al	<b>Expert Street 3</b>
	O4 - Why would I work with others? Motivations for collaboration at landscape level, F. Turkelboom & D. Stella et al.	<b>Expert Street 4</b>
	O7 - Transformative change; Building Public Private Partnerships	<b>Expert Street 5</b>
	T1e - Working with the Pluralistic Evaluation Framework: a participatory tool for planning and assessing transformative change, A. Hejnowicz et al.	<b>Expert Street 7</b>
	T6 - Increasing transparency and confidence across the generation and use of value factors in decision-making, R. Portela et al.	<b>Expert Street 6</b>
	T11 - Interregional flows of ecosystem services / nature contributions to people, T. Koellner et al.	<b>Expert Street 8</b>
	T13a - Trade-offs in implementing nature-based solutions, N. Kabisch et al.	<b>Success Avenue 1</b>
	T19a - Ecosystem Services and Big Data: New Concepts, New Approaches, New Networks, J. Langemeyer et al.	<b>Expert Street 2</b>
<b>Thursday (21 November 2024)</b>		<b>Room</b>

<b>11:00 – 12:30</b>	B10d - Challenges and barriers of integrating ecosystem services science into urban planning for preventive public health, K. Farley et al.	<b>Expert Street 7</b>
	B10f - Urban form and ecosystem delivering capacity - relations and implications for urban planning and governance, A. Shkaruba & S. Salata et al.	<b>Expert Street 2</b>
	O2 - Transforming ecosystem services research through knowledge co-production and participatory approaches, I. Sieber et al.	<b>Success Avenue 1</b>
	O6 - Communicating nature's benefits in protected areas – from theory to practice, I. Bouwma et al	<b>Expert Street 9</b>
	S1b - Assessing trade-offs between ecosystems services in agroecological transitions of agrifood systems, L. Madureira et al.	<b>Expert Street 3</b>
	S1c - Agroecology and nature-based solutions as transformative pathways towards sustainable agriculture, M. Torralba & J. Schild et al.	<b>Expert Street 6</b>
	S1e - Operationalizing Ecosystem Services for agroecosystem One Health: data-driven insights, limits and interdisciplinary prospects, D. Bormpoudakis et al	<b>Expert Street 5</b>
	T4a - Integrating ecological and legal approaches to mapping and assessment of ecosystem services vulnerability, resilience, and restoration, F. Leucci & P. Roche et al.	<b>Expert Street 8</b>
	T18a - Mainstreaming ecosystem services approach and fostering transformative governance to enhance planning in socio-ecological systems, N. Claudia Caló et al.	<b>Expert Street 4</b>
<b>13:30 – 15:30</b>	B10b - Adaptation to urban climate change through ecosystem services: a critical journey to integrate ecosystem services into climate-sensitive planning for a multi-risk purpose, L. Zardo et al	<b>Expert Street 4</b>
	B10f - Urban form and ecosystem delivering capacity - relations and implications for urban planning and governance, A. Shkaruba & S. Salata et al.	<b>Expert Street 2</b>
	O2 - Transforming ecosystem services research through knowledge co-production and participatory approaches, I. Sieber et al.	<b>Success Avenue 1</b>
	O5 - Communities of practice - how to make them truly transformative?, I. Liekens & M. Siebers et al.	<b>Expert Street 9</b>
	S1b - Assessing trade-offs between ecosystems services in agroecological transitions of agrifood systems, L. Madureira et al.	<b>Expert Street 3</b>
	T1f - Challenges and opportunities of ecosystem services assessments on small and medium islands, G. Cozzolino & V. Drakou et al.	<b>Expert Street 6</b>
	T4a - Integrating ecological and legal approaches to mapping and assessment of ecosystem services vulnerability, resilience, and restoration, F. Leucci & P. Roche et al.	<b>Expert Street 8</b>

	T4b - Mapping ecosystem services to foster transformative societal change: looking at the past and the way forward, S. Le Clec'H et al	<b>Expert Street 7</b>
	T9b - Healthy ecosystems for healthy people: Evidence-based benefits of nature exposure to human health, S. Pouso et al.	<b>Expert Street 5</b>

## Appendix IV. Conference Program Overview

Date/ Time	Sunday November 17	Monday November 18	Tuesday November 19	Wednesday November 20	Thursday November 21	Friday November 22
08:00		Registration	Registration	Registration	Registration	Excursions (Optional)
08:45		<b>Welcome</b> Keynotes & Panel Rudolf de Groot, Ingrid Visseren-Hamakers, Conor Kretsch Moderator: Jarumi Kato Huerta	<b>Opening</b> Keynotes & Panel Marjolein Albers, Martin Lok Moderator: Miguel Inacio	<b>Opening</b> Keynotes & Panel Stineke Oenema, Nadja Kabisch Moderator: Roxanne Lorilla	<b>Opening</b> Panel Discussion Robert Costanza, Caroline van Leenders, Pim Martens, Peter van der Werf, Jeanne Nel Moderator: Marcia Arredondo Rivera	
09:30	Pre-conference trainings	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
10:30		Parallel sessions	Parallel sessions	Parallel sessions	Parallel sessions	
11:00		Lunch	Lunch	Lunch	Lunch	
12:30		Parallel sessions	Parallel sessions	Exhibition & Poster Session II	Parallel sessions	
13:30		Coffee Break	Coffee Break	Conference dinner event (optional)	Coffee break	
14:00		Parallel sessions	Parallel sessions		Final Keynotes Arnold van Vliet, Louise Willemen, Rudolf de Groot Moderator: Kiên Pham	
15:00		Parallel sessions	Parallel sessions		Awards & Closing ceremony	
15:30	Early registration opens + time to mount posters	Poster Session I & Welcome reception				
16:00						
17:00						
17:30						
18:00						
19:00						
21:30						







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