

## Conference program

	Sunday 05.02	Day 1 Monday 06.02	Day 2 Tuesday 07.02
08:30		Registration	
09:00		Opening and welcome addresses	
09:30		Plenary session 1	Plenary session 2
11:00		Coffee break	Coffee break
11:30		Session 1    Session 2    Session 4	Session 1    Session 3    Session 4
13:00		Lunch	Lunch
14:00		Session 1    Session 2    Session 3	Workshop “Ecosystem services assessment and evaluation – panacea or Pandora’s box?”
15:30			Coffee break
16:00		Coffee break	Plenary Session 3
16:30		Networking session	Closing remarks
17:30	Registration		
18:00	Welcome drink	Poster Session	
19:00		Conference dinner	

### Registration

**Sunday 05.02**

**17:00 – 19:00**

**Monday**

**08:30 – 09:00**

### Plenary Session, Part 1; Monday 06.02

Moderator: Stoyan Nedkov

9:30–09:55

Keynote 1: **Benjamin Burkhard**

*Integrated mapping and assessment of ecosystems and their services*

09:55–10:20

Keynote 2: **Fernando Santos-Martín**

*Mapping of ecosystem services in national assessments: the challenges of their implementation into MAES*

10:20-10:45

Keynote 3: **Jari Niemelä** University of Helsinki

***Urban ecology, ecosystem services and biocultural diversity***

10:45-11:00

*Panel Discussion*

### **Plenary Session, Part 2; Tuesday 07.02**

9:30-9:55

Moderator: Svetla Bratanova-Doncheva

Keynote 4: **Joachim Maes**

*Mapping and Assessment of Ecosystems and their Services (MAES): Highlights and uncertainties of a science-policy interface on biodiversity and ecosystem services*

09:55-10:20

Keynote 5: **Rayka Hauser** European Commission, DG Environment

***Policy needs for the mapping and assessment of ecosystems and their services***

10:20-10:45

Keynote 6: **Maria Nijnik**, The James Hutton Institute, UK

*Valuation of ecosystem services: a decision support means or Pandora's box for policy-makers?*

10:45-11:00 Panel discussion

### **Plenary Session, Part 3 Closing remarks; Tuesday 07.02**

Moderator: Svetla Bratanova-Doncheva

16:00 – 16:25 Reports from parallel sessions

16:25 – 16:35 Reports from networking session and the workshop

16:35 – 16:50 Final discussion

16:50 – 17:00 Closing

## Parallel Sessions

### Session 1: Mapping of ecosystems and general assessment frameworks

Monday 06.02.

Moderators: Miglena Zhiyanski; Karsten Grunewald

- 11:30 – 11:50 Assessment of ecosystem condition and services in Bulgaria – a National Methodological Framework – *Svetla Bratanova-Doncheva K. Gocheva, St. Vergiev, N. Chipev*
- 11:50 – 12:10 Framework for assessment of urban ecosystems state and supply of ecosystem services at different scales – *Miglena Zhiyanski, Stoyan Nedkov, Svetla Doncheva, Maria Glushkova*
- 12:10 – 12:30 Assessment and mapping of forest ecosystems, their condition and the condition of the provided ecosystem services - *Krasimir Kamenov, Rosica Horozova, Lyubcho Trichkov, Georgi Tinchev, Vasko Raychinov, Georgi Gogushev*
- 12:30 – 12:50 Ecosystems and Human Well-Being – A framework for assessment of ecosystem services provided by heathland and shrub ecosystems – *Rosen Tsonev, V. Bogoev, S. Boteva, K. Dimitrov<sup>1</sup>, Ts. Dimitrova, A. Kenarova<sup>1</sup>, Ts. Komitova, G. Nachev, M. Nikolov, K. Pachedjieva, N. Parleva, D. Simeonovska, V. Stefanov, I. Traykov, R. Tsekova*
- 13:00 - 14:00 Lunch
- 14:00 – 14:20 Assessment of sparsely vegetated land ecosystems and their services in East Rhodope Mts (Bulgaria) - *Svetlana Bancheva, Vladimir Vladimirov, Petar Dimov, Malina Delcheva, Toshko Lyubomirov*
- 14:20 – 14:40 Mapping of marine ecosystem types and their services in the Bulgarian Black Sea region. Evaluation of current condition – *Ventsislav Karamfilov, Dimitar Berov*
- 14:40 – 15:00 Implementation of ecosystem service indicators in Germany – *Karsten Grunewald, Ralf-Uwe Syrbe, Benjamin Richter*
- 15:00 – 15:20 SusTaining AgriCultural ChAnge Through ecological engineering and Optimal use of natural resources - the STACCATO project - *Anja Schmidt Beatriz Rodríguez-Labajos, Erik Öckinger, Juliana Dänhardt, Laszlo Rakosy, Lyubomir Penev, Nat Page, Niklaus E. Zimmermann, Pavel Stoev, Rafael*

*Wüest, Razvan Popa, Riccardo Bommarco, Sue Collins, Tatyana Bileva, Tibor Hartel, Vlada Peneva, Walter Schmidt, Josef Settele*

15:20 - 15:40 Biodiversity and ecosystem services in the Nordic coastal regions – Cecilia Lindblad et al.

15:40 - 16:00 Ecosystem Services as an alternative tool of integrated environmental policy - *Nefta-Eleftheria Votsi, Pantis John, Tsiafouli Maria*

Tuesday 07.02. 11:30-13:00

11:30 – 11:50 Habitat mapping for assessment the habitat services in the Czech Republic – *Pavel Cudlin. Ondrej Cudlin, Lenka Sterbova, Jan Purkyt, Vilem Pechanec*

11:50 – 12:10 Formal Specification of Ecosystem Services and their Assessment – Alexandre Chikalanov, Mariyana Lyubenova

12:10 – 12:30 Priority habitats' evaluation under the perspective of the ecosystem services' concept: mapping and assessment of the “Species-rich Nardus grasslands” and its services in the mountains of Peloponnisos (Southern Greece) – *Ioannis Kokkoris, Zotos A, Dimopoulos P*

12:30 – 12:50 Ecosystem services in Norway with some examples from pilot studies - *Oddvar Skre*

12:50 – 13:10 Mapping of freshwater ecosystems - types, condition and services in Bulgaria. Some aspects and practical solutions - *Vassil Vassilev, Nadya Tsvetkova*

## **Session 2: Assessment of ecosystem's condition**

Moderators: Galya Petrova; Eleni Abraham

### **Monday 06.02.**

11:30 – 11:50 How to assess grassland ecosystems' condition – first comprehensive methodology for Bulgaria - *Desislava Sopotlieva N. Velev, I. Apostolova, V. Vassilev, N. Tsvetkova*

11:50 – 12:10 The importance of genetic diversity as an indicator of ecosystem condition – Galya Petrova, Stefan Petrov

12:10 – 12:30 Local Agro-Ecological Zones in sustainable cropland management and Agro ecosystem assessment – Yavor Yordanov, Damian Mihalev

- 12:30 – 12:50 Methodological approach for analysis and assessment of target wetlands based on aquatic macroinvertebrates – *Yanka Vidinova, Emilia Varadinova, Radka Fikova, Milena Pavlova, Galia Georgieva Elshishka, M., Vagalinski, B., Dedov, I., Yordanov, Y., Blaalid, R, Åström, J.*
- 13:00 - 14:00 Lunch
- 14:00 – 14:20 Urbanization impacts on soil pollution - *Emiliya Velizarova, Ibrahim Molla*
- 14:20 – 14:40 DNA-meta- barcoding to assess the impact of cropland management on soil functions - *S. Dahle Fossøy, F., Rusch, G. M, Peneva, V., Lazarova, S,*
- 14:40 – 15:00 Sustainability of Forest Ecosystem Services – Assessment - Based on Eustress and Climatic Patterns – *Mariyana Lyubenova, Alexandre Chikalanov*
- 15:00 – 15:20 Mapping and assessment of urban ecosystems condition using integrated index of spatial structure – *Stoyan Nedkov Miglena Zhiyanski, Stelian Dimitrov, Svetla Donceva, Petar Nikolov, Alexander Gikov, Rositsa Yaneva, Desislava Hristova*
- 15:20 - 15:40 The effect of combined grazing by wild boar and small ruminant on the regeneration of a coppice oak forest - *E. Abraham, Sklavou P., Loufi A., Parissi Z.M. and Kyriazopoulos A. P.*

### **Session 3: Mapping and assessment of ecosystem services – biophysical perspective**

Moderators: *Mariyana Lubenova; Panayotis Dimopoulos*

#### **Monday 06.02. 14:00-15:30**

- 14:00 – 14:20 Addressing urban ecosystem service trade-offs using the ESTIMAP pollinator mapping model – *Erik Stange Grazia Zulian, Graciela Rusch, David Barton, Megan Nowell*
- 14:20 – 14:40 Biophysical Perspective of Ecosystem Services Mapping - a Tool in Help of the Environmental Management and Smart Cities Development – *Mila Chilikova-Lubomirova*
- 14:40 – 15:00 Drafting the national agenda for the implementation of the Ecosystem Services mapping and assessment in the Greek territory - *P. Dimopoulos Drakou E, Katsanevakis S, Kormas K, Kallimanis A, Tsiafouli M, Kokkoris I & Arends J.*

15:00 – 15:20 The remote sensed status and trend of ecosystem Services over Three-River Headwaters, Qing-Tibet Plateau, China, in 2000-2012 – Junbang Wang

15:20 – 15:40 Decision Making System and Future of Internet for Forest Services Assessment and Smart Management - Alexandre Chikalanov, Mariyana Lyubenova, Yuri Pavlov, Kamen Spassov

### **Tuesday 07.02. 11:30-13:00**

11:30 – 11:50 Pollination services spatial model adapted to Bulgarian rural landscapes – Grazia Zulian Åström, J., Gjershaug, J.-O., Aneva, I. Y., Chehlarov, E., Chobanov, D. P., Ljubomirov, T., Stoyanov, S., Todorov, I., Vassilev, V., Staverløkk, A., Ødegaard, F. & Rusch, G. M.

11:50 – 12:10 Study the flooding risk in assessing ecosystem services supply in Blagoevgrad district - *Ivan Marinov, Eli Pavlova, Stoyan Nedkov, Miglena Zhiyanski, Mariyana Nikolova*

12:10 – 12:30 Proxy Assessment of Ecosystem Services in Urban Habitats of Bulgaria: Animal based energy and Pollination - Mariyana Lyubenova, Stoyan Nedkov, Georgi Popchev, Ivo Ihtimanski.

12:30 – 12:50 Mapping of cultivated crops supply capacity of urban ecosystems in Bulgaria - Ivo Ihtimanski, Stoyan Nedkov

### **Session 4: Mapping and assessment of ecosystem services – social perspective**

Moderators: Mariyana Nikolova; Beatriz Rodrigues-Labajos

### **Monday 06.02.**

11:30 – 11:50 Using focus groups and participatory landscape assessment to identify and evaluate ecosystem services: a case study in North West India - E. Gomes-Martin, D. Bartlett, S. Milliken and D. Parmer

11:50 – 12:10 What Types of Environmental Conflicts Emerge from the Impact of Land Use Changes on Cultural Agroecosystem Services? A Comprehensive Review with Implications for Mapping – Ksenija Hanaček et al.

12:10 – 12:30 Assessment and mapping of aesthetic ecosystem services in the city of Varna, Bulgaria – Mariyana Nikolova, Stoyan Nedkov, Margita Kiryakova

12:30 – 12:50 GIS-based Valuation of Ecosystem Services in Mountain Regions: A Case Study of the Karlovo Municipality in Bulgaria - Boian Koulov, Ekaterina Ivanova, Bilyana Borisova, Assen Assenov, Aleksandra Ravnachka

Tuesday 07.02. 11:30-13:00

- 11:30 – 11:50 Selective and traditional forest management options for black pine forests in central Italy: effects on ecosystem services, their synergies and trade-offs – Natasha Nikodinoska, De Meo Isabella, Paletto Alessandro, Lagomarsino Alessandra
- 11:50 – 12:10 Community Perceptions of the Landscape: integrating land management with cultural ecosystem services - C. E. Stancioff , C.L. Hofman
- 12:10 – 12:30 Modelling the neuro-psycho-socio benefits of Eco- human interactions – *Pooja Sahni*
- 12:30 – 12:50 Mapping of cultural ecosystem services: a case study from the Kazimierz Landscape Park (Poland) – *Malwina Michalik-Śnieżek and Tadeusz Jan Chmielewski*
- 12:50 – 13:10 A protocol for assessing and mapping cultural ecosystem services in agricultural landscapes in Europe - Beatriz Rodrigues-Labajos, Johanna Alkan-Olsson, Agnes Balázsi, Isabelle Besuch et al.

## **Poster session**

Monday 18:00 – 19:00

### **Session1**

Developing National Ecosystem Services Indicators – Experiences from Russia – *Karsten Grunewald and Elena Bukvareva*

Assessment of forest ecosystem services and its in situ verification - *Albena Bobeva Elena Rafailova, Anna Petrakieva*

GIS-based mapping of forest fire risk - Kiril Lyubenov and Maria Asenova

### **Session 2**

Filling the data gaps in assessment of ecosystem conditions by applying altitude and mean depth for predicting transparency and chlorophyll-a in Bulgarian standing waters - *Roumen Kalchev*

Can the oxidative status of the mussel *M. galloprovincialis* serve as an integral indicator of the Black Sea ecosystems condition? - *Lachezar Yakimov, Nesho Chipev*

Analysis of interaction between social and mountain forest ecosystem in the Ukrainian Carpathians: DPSIR approach application – *Oksana Pelyukh and Lyudmyla Zahvoyska*

Ecosystems and their problems in the municipality of Pogradec – Mentor Sulollari

Srebarna Lake ecosystem conditions - assessment of ecological state based on physical and chemical parameters and benthic communities - *Emilia Varadinova, G. Georgieva, M. Ihtimanska, M. Kerakova, S. Kazakov, Y. Uzunov*

Assessment of harmfulness and impact of pests and fungal pathogens on health status of trees and shrubs in urban ecosystems – *Georgi Georgiev, Margarita Georgieva, Plamen Mirchev*

### **Session3**

GIS-based Assessment and Mapping of Local and Regional Climate Regulation Services provided by Urban Ecosystems in Bulgaria - *Bilyana Borisova, Miglena Zhiyansky, Stoyan Nedkov, Mariyana Nikolova, Zvezdelina Aidarova*

Soil-related ecosystem services in urbanized regions – mapping and assessment – *Miglena Zhiyanski, Stoyan Nedkov, Lidiya Semerdzhieva*

### **Session4**

Using Stakeholders Knowledge to Assess and Map Ecosystem Services in Romania - *Constantin Cazacu Mihai Cristian Adamescu, Florian Nitu*

Ecosystem services vs. disservices in urban and peri-urban regions: examples from pilot case-studies – *Paul Aspholm*

Methods and opportunities for economic valuation of the ecosystem services in the Bulgarian part of Vlahina mountains – *Svetoslav Nikolov*

Mapping of the dependence of Belgian crops on pollinators – *Floriane Jacquemin Violle C., Dufrêne M.*

### **Networking session**

Moderators: Jeroen Arends; Stoyan Nedkov

Monday 16:30 – 18:00

16:30 – 16:30 Introduction

16:30 – 17:00 The role of the Ecosystem Services Partnership (ESP) in South East Europe (SEE) - Jeroen Arends

17:00 – 17:20 Ecosystem Services Partnership national networks

17:20 – 17:40 Other networks

17:40 – 18:00 Discussion



**Workshop “Ecosystem services assessment and evaluation –  
panacea or Pandora’s box?”**

Moderators: Maria Nijnik; Boian Koulov

Tuesday 14:00 – 15:30