

## Conference program

	<b>Sunday 05.02</b>	<b>Day 1 Monday 06.02</b>			<b>Day 2 Tuesday 07.02</b>		
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**

## **Monday 06.02**

### **Plenary Session, Part 1**

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*

## **Tuesday 07.02**

### **Plenary Session, Part 2**

Moderator: **Svetla Bratanova-Doncheva**

9:30-9:55

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*

## **Tuesday 07.02**

### **Plenary Session, Part 3 Closing remarks**

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 06.02.2016 11:30-15:40**

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 Setteleet*
- 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 07.02.2016 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*

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

Moderators: **Galya Petrova; Eleni Abraham**

### **Monday 06.02.2016 11:30-15:40**

11:30 – 11:50 How to assess grassland ecosystems' condition – first comprehensive methodology for Bulgaria - *Desislava Sopotlieva N. Veleu, 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 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*

15:20 - 15:40 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*

15:40 - 16:00 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 Lyubenova; Panayotis Dimopoulos**

#### **Monday 06.02.2016 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 07.02.2016 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*
- 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 06.02.2016**

- 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*
- 12:50 – 13:10 Economic assessment of ecosystem goods and services in Karavasta Lagoon. Albania - *Romino Koto, Aida Bani, Erla Bani, Anja Dautaj*

### **Tuesday 07.02.2016**

- 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 Balázs, Isabelle Besuch et al.*

## **Poster session**

**Monday 06.02.2016 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*

*Tilia cordata* Mill. as an indicator tree of particulate matter pollution in urbanized  
area - *Robert Popek Adrian Lukowski, Radosław Jagiełło, Piotr Karolewski,  
Jacek Oleksyn*

Mapping of cultural ecosystem services (CES) as a result of expert and social  
assessment: the ranking approach – *Barbara Sowińska-Świerkosz and Dawid  
Soszyński*

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*



### **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*

The discreet boundaries of the landscape – a prerequisite for an objective evaluation of landscape services in Mala Planina - *Borislav Grigorov, Bilyana Borissova, Assen Assenov*

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 06.02.2016 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 07.02.2016 14:00 – 15:30**