



ESP 10

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10 years advancing ecosystem
services science, policy and
practice for a sustainable future

Program Booklet

Appendix II: Poster Session

This poster section will be held on **Tuesday 22nd** from **15:00-18:30**. The below list shows the session which the poster abstract is related. We invite all to join the poster session.

Biome Working Groups Posters (B)

B1a- Advancing methods in marine ecosystem services quantification, mapping and modeling		
ID	Name	Title of the Presentation
B1a-1	MK. Chae	Establishing System Dynamics Model for Linking DPSIR and Marine Ecosystem Services: A case study on Marine Sand Mining in the Republic of Korea
B1a-2	J.Yim	Designing Marine Ecosystem Services-based Decision Making Support System in Korea
B1b- From the tropics to the poles: assessing marine cultural ecosystem services		
ID	Name	Title of the Presentation
B1b-1	M.Kim	Economic valuation of marine cultural ecosystem services from recreational fishing in Korea
B1b-2	M. Sutthacheep	Assessment of tourist carrying capacity for sustainability of coral reef ecosystem services in the Western Gulf of Thailand
B2a- Ecosystem services assessment methods for riverine and wetland ecosystems		
ID	Name	Title of the Presentation
B2a-1	P. Gerhard	Evaluating municipal programs to encourage fruit production and water resources preservation: the role of ecosystem services at local and landscape scales
B2a-2	K. Kaziukonyté	Remote technologies for the assessment of habitat provision related ecosystem services in the Nemunas River Delta
B2a-3	I.O. Lee	Spatial and temporal influence of invasive halophyte <i>Spartina alterniflora</i> on the food supply service in Ganghwa Island, Korea
B2a-4	L. Méndez-Fernández	Integrating River Regulating Ecosystem Services In Urdaibai Biosphere Reserve
B3- Semi- natural forests and forest plantations: ecosystem services and trade- offs in the face of land use and climate change		
ID	Name	Title of the Presentation
B3-1	A. Fitch	Under the pine: understanding trade-offs in ecosystem services of forest plantations in Indonesia
B3-2	A. Florio	Roles of N-related soil microbial functional groups for services provided by forest ecosystems according to tree species
B3-3	R. Golbon	Climate change impact assessment on the potential area for rubber cultivating in mainland Southeast Asia
B3-4	A. Jansons	Forest tree breeding enhances the recreational value of Scots pine stands: case study in Latvia
B3-5	A. Treimane	Wild berry occurrence and cover assessment in Latvia's forests
B5- Mediterranean socio- ecological systems: integration of methodological approaches to evaluate ecosystem services' dynamics		
ID	Name	Title of the Presentation
B5-1	M. Expósito-Granados	Ecosystem Emotional Types (EETs) for assessing people-nature connections
B5-2	E. Garau	The role of stakeholders in identifying social preferences and values: a participatory mapping method of ecosystem services.
B5-3	C. Kounnamas	Ecosystem services and socio-economic impact study: The case of 'Koshi-Pallourokampos' - a Natura 2000 site
B5-4	A. Louail	Methods of identification, spatialization and evaluation of ecosystem services in the Mediterranean: Case of the Ouled Hannèche Forest (Algeria)
B5-5	J.C. Pérez- Girón	Climate influence in primary production as indicator of Iberian ecosystems risks

S1-2	B. Czúcz	Linking ecosystem characteristics to the chemical composition of honey samples in four EU countries
S1-3	N. Schwarz	Participatory modelling the effects of global change on biodiversity and multiple ecosystem services in viticultural landscape across Europe
S1-4	D. van Wijk	Smart Nutrient Retention Networks for good water quality and sustainable nutrient use
S1-5	P. Zhang	Oasis Farmland Ecosystem Service Value Based on Water Footprint Cost

S8a- Ecosystem services for nature conservation and protected areas

ID	Name	Title of the Presentation
S8a-1	M. Andreou	Troodos National Forest Park: Promoting natural values and Ecosystem Services
S8a-2	H. Chen	Valuing ecosystem services: an essential tool to assess land use trade- offs in China's protected areas
S8a-3	M.G. Coelho Junior	Ecosystem services and community- based management in protected areas: understanding the perceptions of boundaries communities for management and conservation
S8a-4	N.-G. Eliades	Mapping and assessing ecosystem services to ensure the long- term preservation of a mountainous protected area: the case of Kilada Kedron- Kampos in Cyprus
S8a-5	J. Heuschele	Investigating supply and demand differences of cultural ecosystem services in the Bavarian Forest National Park: An application of the international ECO-POTENTIAL participatory mapping and survey framework to Germany
S8a-6	F. Liccari	Evaluation of Green Infrastructure elements in rural- urban landscapes: a case study in North- East Italy

S8b- Linking nature- based solutions and ecosystem services

ID	Name	Title of the Presentation
S8b-1	A. Broeckx	Measuring water regulation functions in Upstream Depressional Wetlands

Thematic Working Group Posters (T)

T2- Quantifying the relationship between biodiversity and ecosystem services across landscape/ seascape management intensification gradients

ID	Name	Title of the Presentation
T2-1	M. Billing	How does functional diversity relate to ecosystem functions in European near- natural forests?
T2-2	B. Khun	Commune land use planning in the context of biodiversity and ecosystem in Cambodia
T2-3	J.K. Quartey	The deteriorating ecological health of the Sakumo Ramsar Site: implications for wetland ecosystem services provision
T2-4	J. Zelený	Combining methods to estimate ecosystem integrity and ecosystem service potentials and flow for crop production in Schleswig-Holstein, Germany

T3- Science meeting reality: developing fit- for- purpose ecosystem services indicators

ID	Name	Title of the Presentation
T3-1	C. Alsterberg	The Naturvation assessment framework- an operational framework for assessing benefits of nature- based solutions towards urban challenges
T3-2	K. Gocheva	Index- based, multipurpose, top- down ecosystem hierarchy of indicators and nomenclatures: Whole system approach to eliminating policy fragmentation
T3-3	D. Fletcher	Using evidence- based logic chains to develop indicators for impacts of heavy metals on ecosystem services
T3-4	S. Meier	The pollination potential of wild bees in Germany- suggestion of a new monitoring indicator



6. *Poster abstract*

S. Sectoral Working Group sessions: S8a Ecosystem services for nature conservation and protected areas

Troodos National Forest Park: Promoting natural values and Ecosystem Services

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Troodos National Forest Park (TNFP) is located in the centre of Troodos mountain range and it is one of the most important natural environments of Cyprus. TNFP has been included to the Natura 2000 network of the island due to its important natural ecosystems and its great biodiversity. The project iLIFE-TROODOS (co-funded by the European Commission and the LIFE programme) aims to increase public awareness on the natural values of TNFP, for which it was included in the Natura 2000 network, and the Ecosystem Services (ES) it provides. The current work presents selected ES of TNFP, based on the Common International Classification of Ecosystem Services (CICES – three ES categories: Provisioning services, Regulating and Maintenance services, Cultural services), which have been identified through this project. Specifically, this work graphically presents the ES mapped through CICES, as well as a more detailed presentation of the water related services of the area. The services have been mapped and their distribution in the area is presented in respective maps (using ArcGIS software), while their economic importance has also been evaluated. Most of the data used was acquired from the databases of the Cyprus Department of Forests, while information relating to the use of the area was obtained through surveys carried out by the project's personnel. Further information was collected from publicly available sources and the Water Development Department, whereas the TESSA toolkit (207 v. 2.0) was utilized for the evaluation of water-related services and global climate regulation (including carbon storage). The data derived on these ES is being used for the awareness purposes of the project iLIFE-TROODOS.

Keywords: ecosystem services, Troodos National Forest Park, Cyprus, iLIFE-TROODOS