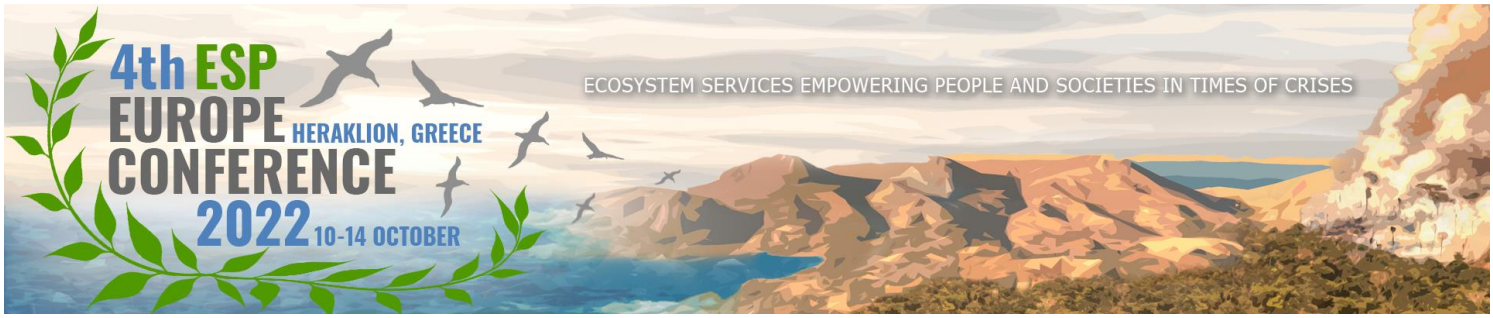


BOOK OF ABSTRACTS

I. SESSION DESCRIPTION

ID: S10

"Gearing up toward Urban Greening Plans to bring nature back in cities"

Hosts:

	Title	Name	Organisation	E-mail
Host:		Laura Costadone	Finnish Environment Institute (SYKE)	laura.costadone@syke.fi
Co-host(s):		Leena Kopperoinen	Finnish Environment Institute (SYKE)	leena.kopperoinen@syke.fi
		Kati Vierikko	Finnish Environment Institute (SYKE)	kati.vierikko@syke.fi
		Elise Järvenpää	Finnish Environment Institute (SYKE)	elise.jarvenpaa@syke.fi
		Heather Brooks	EUROCITIES	heather.brooks@eurocities.eu

Abstract:

The EU is a global leader in climate adaptation and recently has also promoted key policy agendas like the European Green Deal, the EU Biodiversity Strategy to 2030 and the EU Soil Strategy for 2030 that have set ambitious targets to protect nature, restore ecosystems, halt biodiversity loss, achieve land-based climate mitigation and improve monitoring and governance efforts. To achieve these goals, global challenges like biodiversity loss, climate change and environmental sustainability need to be addressed not only at the regional scale but also at the city level. In this context, European cities of at least 20,000 inhabitants will need to develop Urban Greening Plans including measures to mainstream nature-based solutions and urban greening initiatives into policy, legislation and governance and promote citizen engagement. Despite the importance, the uptake and implementation of urban greening plans by stakeholders and decision-makers is still hindered by institutional constraints and discrepancy in how guidance promoted at the EU level are implemented at the local level. Insufficient knowledge of what a green plan should cover or which indicators to use to assess the performance of green infrastructure is also a major challenge for cities

that want to implement urban greening plans. To help bridging gaps between science and practice, we propose organizing a dynamic co-design workshop with practitioners, researchers from different disciplines and stakeholders from municipalities across Europe. Our objective for the workshop is to bring together people with diverse backgrounds and expertise to share knowledge, better understands needs and co-design best practices to integrate in a systematic way nature and nature-based solutions into the decision-making process. Green areas greatly contribute to people's well-being and therefore are becoming a central topic in most planning and management agendas to guarantee sustainable urban development. This workshop will also be an invaluable opportunity to compare European case studies, share learning and understanding from good practices on how to better pursue biodiversity and ecosystem services positive development at local level with a vision of no loss of green space by 2050.

Goals and objectives of the session:

1. Explore how the European greening strategies are implemented (or should be implemented) at the local level.
2. Discuss what approaches are adopted to support the implementation of urban greening plans and collect and exchange examples of case studies from selected European municipalities.
3. Co-design a framework to incorporate scientific evidence and specific local needs to help defining and implementing greening plans.

Planned output / Deliverables:

- White paper with a collection of case studies and approaches adopted by selected municipalities to implement greening plans that were discussed during the workshop
- Short video on greening cities based on session presentations"

Session format:

Discussion forum

Voluntary contributions accepted:

Yes, I allow any abstract to be submitted to my session for review

Related to ESP Working Group/National Network:

Sectoral Working Groups: SWG 10 – ES in the circular (bio-)economy

II. SESSION PROGRAM

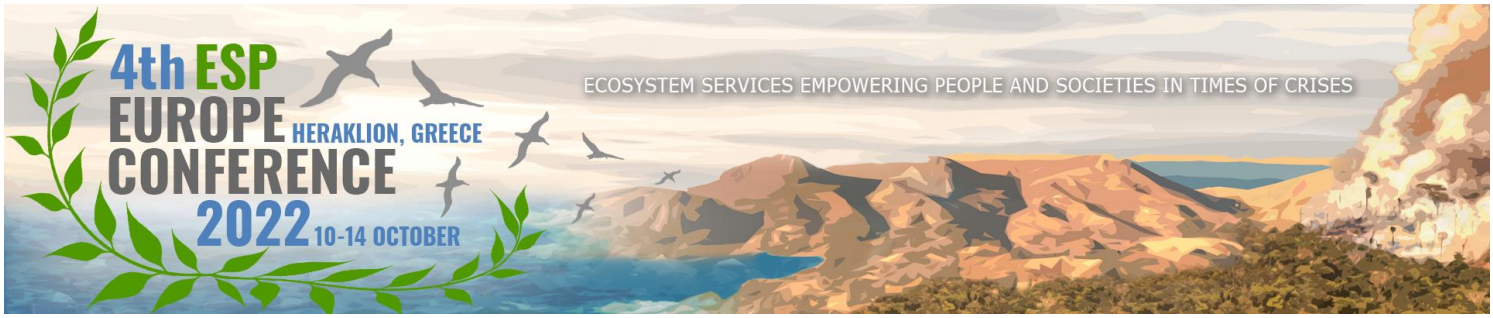
S10 – Gearing up toward Urban Greening Plans to bring nature back in cities			
16:00 – 17:30 Tuesday, 11 October			
Hosts: L. Costadone, L. Kopperoinen, K. Vierikko, E. Järvenpää, H. Brooks			
	Time	**Name**	**Title of the Presentation**
S10-1	16:00	L. Costadone	Welcome
S10-2	16:05	H. Brooks	Introduction about greening plans and biodiversity strategy
S10-3	16:15	A Riitta Kujala	Collaborative planning is needed for greening cities
S1b-4	16:30	E. Nieminen	Experiences and prospects on urban greening and ecosystem accounting in the City of Tampere
S10-5	16:45	R. Hansen	Transformative or piecemeal? Changes in green space planning and governance in eleven European cities?"
S10-6	17:00	Y. Wang	The delivery of Cultural Ecosystem Services in urban forests of different landscape features and land use contexts
S10-7	17:15	Hosts	science meets practice" Open discussion and Q&A

III. ABSTRACTS

Abstracts are ordered based on the session program. The first author is the presenting author unless indicated otherwise.

1. Type of submission: Abstract

S. Sectoral Working Group sessions: S10 – Gearing up toward Urban Greening Plans to bring nature back in cities



The delivery of Cultural Ecosystem Services in urban forests of different landscape features and land use contexts

Presenting author: Yuan Wang

Other author(s): Jari Niemelä, D. Johan Kotze

Affiliation: University of Helsinki, Finland

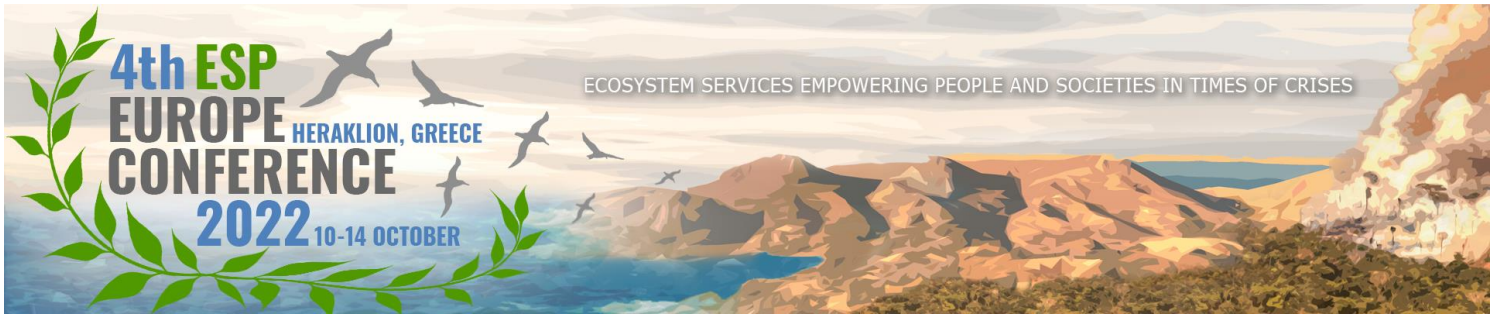
Contact: yuan.wang@helsinki.fi

Urban greenspace provides citizens with important Cultural Ecosystem Services (CES). Identifying landscape features and land use contexts that facilitate CES delivery are critical for guiding urban greenspace management. However, how landscape features and urban context interact with each other in influencing the CES of greenspaces remains unclear. Studies on the CES of patchy urban forests are needed as they are essential urban CES providers, but vulnerable under urban land use pressure. To address these concerns, we compared the CES of 20 urban forest patches in Helsinki, Finland, with five different combinations of landscape features (i.e., size and connectivity) and land use contexts (i.e., surrounding construction density). CES were assessed through an on-site survey on visitors' use, perceptions of CES experience, and overall satisfaction, to capture the possible disparities among CES measurements. In larger (> 20 ha) forests, visitors were highly satisfied with CES, particularly appreciating the experience of physical health improvement and inspiration through longer and intense physical uses. Visitors of urban forests in a low construction density context appreciated experiences of cultural heritage, psychological restoration, and physical health improvement. Urban forests deliver unique CES characterised by physical use and the benefit of restoration, aesthetics and contact with nature. We suggest that maintaining large urban forests is more effective in promoting CES in high density areas. In low density areas, maintaining small forests with open greenspace in the surroundings can also promote CES experiences. We identify management gaps caused by a mismatch between use intensity and CES experiences of urban forests, while both are important in determining people's overall satisfaction.

Keywords: Cultural Ecosystem Services, urban forests, landscape, perceptions

2. Type of submission: Abstract

S. Sectoral Working Group sessions: S10 - Gearing up toward Urban Greening Plans to bring nature back in cities



Collaborative planning is a needed for greening cities

Presenting author: Kati Vierikko

Other author(s): Anna-Riitta, KUJALA

Affiliation: Finnish Environment Institute (SYKE), Finland

Contact: kati.vierikko@syke.fi

City of Vantaa has already been active in supporting biodiversity protection and maintenance of connected and multifunctional green infrastructure in their city region. Through their master plan they have mapped ecosystem services provided by urban nature. In detailed planning they have piloted and tested different measures and techniques to implement nature-based solutions (NBS) in densely built residential areas. Together with researchers from the Finnish Environment Institute the planners and experts of city of Vantaa conducted a multi-criteria decision analysis (MDCA) to compare and evaluate different models for implementing NBS into the new, developing residential area in Kivistö area. Authors will organize a dialogue (the researcher Kati Vierikko and urban planner Anna-Riitta Kujala) and discuss through with examples how collaborative planning can support sustainable land-use planning and greening of cities. The work is part of Water JPI funder project Atenas (2019-2022).

Keywords: Collaborative planning, nature-based solutions, biodiversity, urban planning