

SESSION DESCRIPTION

ID: X13

Nature-based Solutions for resilient landscapes: enhancing ecosystem services for climate adaptation and societal well-being

Hosts:

	Name	Organisation	E-mail
Host (s):	Amir Rezvani	KTH, Royal Institute of Technology, Stockholm, Sweden	rezvani@kth.se
Co-host(s):	Zahra Kalantari	KTH Royal Institute of Technology, Stockholm, Sweden	zahrak@kth.se
	Lan Wang-Erlandsson	Stockholm Resilience Centre, Stockholm University, Sweden	lan.wang@su.se
	Carla Sofia Santos Ferreira	Polytechnic University of Coimbra, Applied Research Institute, Coimbra, Portugal	carla.ferreira@ipc.pt

Abstract:

Nature-based solutions (NBS) are increasingly recognized as transformative strategies for enhancing climate resilience, restoring ecosystems, and providing multifaceted benefits to both human populations and natural environments. By harnessing ecosystem services, NBS, including wetlands, floodplains, restored streams, and green infrastructure, can effectively mitigate the impacts of floods and droughts, improve water quality, enhance biodiversity, and support human well-being. The implementation of NBS directly contributes to the objectives outlined in the European Green Deal, the United Nations Sustainable Development Goals, and global commitments to climate adaptation.

This session will bring together researchers, practitioners, and policymakers to exchange evidence, frameworks, and case studies on how NBS deliver ecosystem services and strengthen resilient, nature- and people-positive landscapes that benefit both nature and people. Contributions are encouraged that investigate the hydrological, ecological, and socio-economic performance of NBS, as well as the trade-offs and synergies among various ecosystem services, alongside governance, policy, and financial mechanisms that facilitate scaling up these initiatives.

Goals and objectives of the session:

- Present empirical evidence demonstrating the efficacy of Nature-Based Solutions (NBS) in the provision of ecosystem services.
- Develop innovative frameworks, tools, and participatory methodologies for the design and monitoring of NBS.
- Investigate trade-offs, synergies, and equity considerations associated with the provision of ecosystem services.
- Emphasize governance, policy, and financial mechanisms that facilitate the implementation and scaling of NBS.
- Promote dialogue among scientific, practical, and policy-oriented communities to enhance the integration of NBS into land and water management practices.

Planned output / Deliverables:

Cross-sector dialogue and networking across disciplines and stakeholder groups.

- Identification of emerging research gaps and policy-relevant insights for mainstreaming NBS.
- Potential follow-up collaborations on comparative case studies or synthesis papers.

Session format:

A 90-minute session combining short oral presentations (speed talks) and an interactive discussion to stimulate cross-sector dialogue and knowledge exchange.

Voluntary contributions accepted:

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

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