

SESSION DESCRIPTION

ID: T13a

Linking ecosystem services and Nature-based Solutions for more resilient societies & nature

Hosts:

	Title	Name	Organisation	E-mail
Host:		Emmanuelle Cohen-Shacham,	IUCN Commission on Ecosystem Management; Drew University, USA	minacs@gmail.com
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Abstract:

Ecosystems and the services they are providing are increasingly affected by biodiversity, climate change, and human health crises. The United Nations have declared 2021–2030 as the Decade for Ecosystem Restoration, recognizing the importance of restoring and rehabilitating degraded ecosystems, as key components for long-term sustainability. In this context, it is crucial to provide managers and policy makers with better knowledge and innovative tools, to help them address societal challenges.

Nature-based Solutions (NbS) are defined as actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits. They incorporate an umbrella of interventions that can be implemented, to address climate change, disaster risk, biodiversity loss and ecosystem degradation, water, and food security, and human health. The Global Standard for NbS, launched in 2020, is a comprehensive operational framework that was developed to design, implement, assess, and upscale stronger NbS. It includes 8 criteria and 28 indicators, that strong NbS are to consider in their planning and implementation, such as multi-stakeholders' participation; incorporation of different types of knowledge; inclusive, transparent, and empowering governance processes; or policy integration. Ecosystem services science and tools can be of great value, for improving NbS implementation, in particular by strengthening the NbS Global Standard's indicators.

We would like to submit this proposal for a two-parts event that will incorporate a (1) Standard Session and a (2) World Café. During this event, we are aiming at exploring the use of the well-developed ecosystem services science and tools (e.g. biophysical assessment, mapping

valuation, or preference valuation), in improving the Global Standard for NbS, to better address societal challenges.

1. During the Standard Session, we welcome the presentation of case–studies or research projects that clearly show the link between NbS and ecosystem services knowledge/tools, in different geographic and ecological contexts.
2. During the World Café, we are interested in discussing specific links and potential use of ecosystem services tools in the 8 criteria of the Global Standard. The planned outcome of this session is a paper specifically focusing on these aspects.

Goals and objectives of the session:

The objectives of this session are to:

- present the Global Standard for NbS, to raise the awareness of the ESP community on NbS implementation and this global tool.
- learn, through presentations of case–studies and relevant studies, on ways that the two concepts can be used and complement each other, to better address global challenges and empower people and societies.

The objectives of the session are congruent with the conference theme of “Ecosystem services empowering people and societies in times of crises”.

Planned output / Deliverables:

A summary of the case–studies presented, main discussion points, and ideas for new research collaborations on the link between NbS and ecosystem services and the challenges to adapt to global change. A full scientific manuscript will be prepared on the link between ecosystem services and NbS, with the potential participation of those contributing to the discussion.

Session format:

Standard session (presentations)

Voluntary contributions accepted:

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

Related to ESP Working Group/National Network:

[Thematic Working Groups: TWG 13 – Role of ES in Ecosystem restoration](#)