



Filling a critical gap for top-class science at the continental scale

Introducing the Natura Thematic Working Group: Utilizing eLTER

Natura Webinar Series, 10 January 2023

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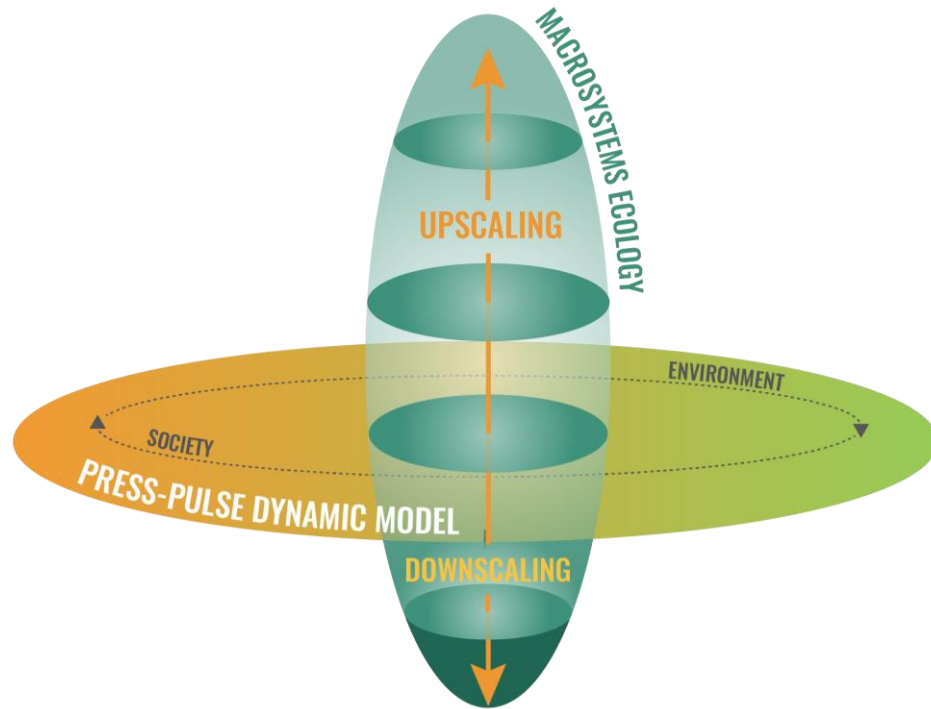
Socio-ecology Theme Lead, eLTER PLUS
Coordinating Committee, Natura – eLTER Thematic Working Group.



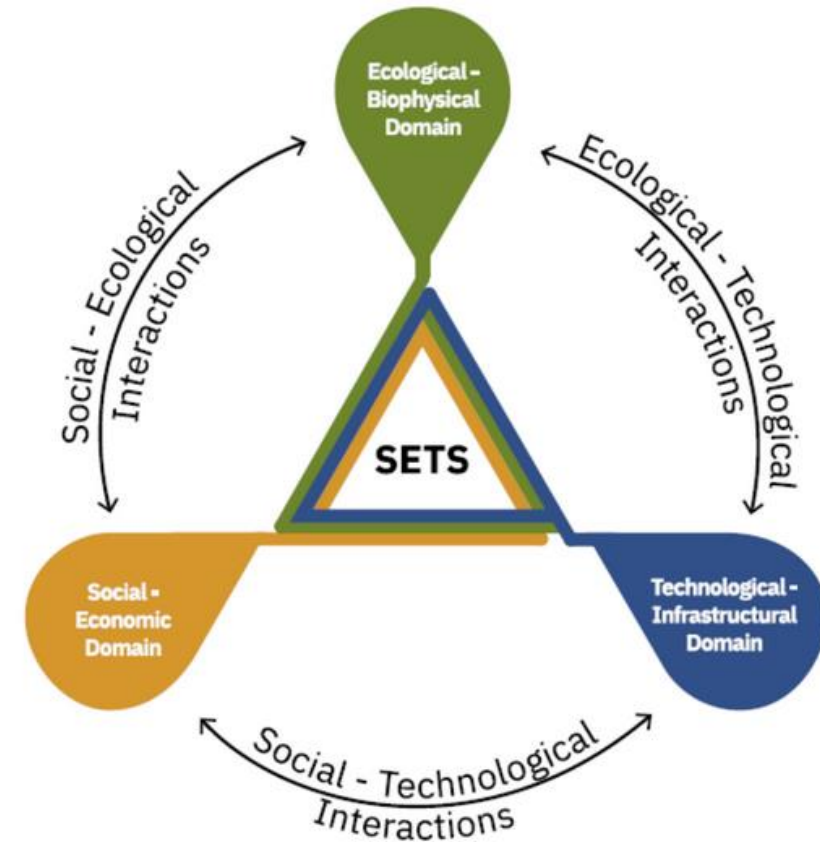
Thematic Working Group Objectives

- Developing an intervention framework for the long-term monitoring of the effectiveness of **Nature-Based Solutions** in urban and peri-urban areas, taking account of **S-E, E-T, and T-S couplings**
- Assessing and strengthening the capacities of **LTSER platforms** for conducting long term research on **NBS**.

Thematic Working Conceptual Frameworks

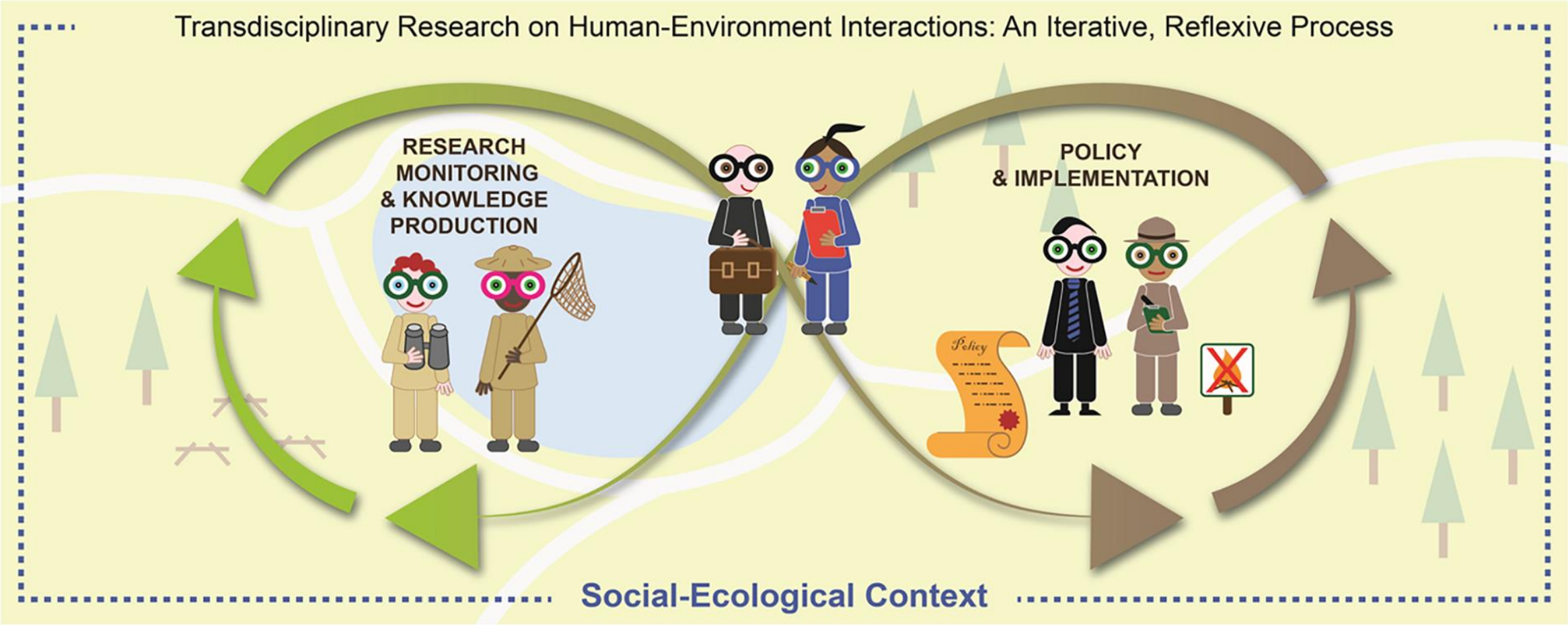


eLTER Whole Systems Approach
(Mirtl et al. 2018)



Social-ecological-technological systems framework
(McPhearson et al. 2018)

The long-term socio-ecological research platform



Holzer et al. 2019. *Biological Conservation*.

Moving towards the forefront of NBS research?

‘Three ways forward’

(Frantzeskaki et al. 2019)

- Collaborative research and knowledge co-production
- Indicators, big data, and long-term observation
- Investment models and novel financing

‘Research priorities’

(Hobbie and Grimm 2020)

- Assessing the effectiveness of NBS for urban climate change adaptation
- Costs and benefits of NBS relative to grey alternatives
- Social equity in distribution of benefits of NBS in cities

Moving towards the forefront of NBS research?

Natalie Gulsrud

**SETS and long-term data gathering:
Example from Copenhagen**



Nikolaos Nikolaidis & Marie Mimikou

**NBS and long-term ecosystem observation:
Example from Crete**

