

## MOUNTAIN RESEARCH INITIATIVE 20TH ANNIVERSARY LECTURE

# *Can nature-based solutions deliver transformative change in social-ecological systems?*



*GUEST SPEAKER: IGNACIO PALOMO,  
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**DATE: WEDNESDAY 23 JUNE | TIME: 15:00-16:00 CEST | LOCATION: ONLINE**

Global sustainability targets demand transformative changes towards sustainability, but empirical studies of large datasets that assess transformative change are scarce. Through an MRI Knowledge Synthesis Workshop, we developed a framework to evaluate how Nature-based Solutions (NbS) may contribute to transformative change. The framework allows assessing what may catalyse transformative change, how transformative change occurs, and what the main outcomes are. After an application to 93 NbS from mountain social-ecological systems (SES) globally, we found that NbS are as much “people-based” as “nature-based.” Most NbS are based on four elements with transformation potential: nature’s values, knowledge types, community engagement, and nature management practices. We illustrate how the elements of our framework interact through a classification of NbS typologies. The framework provides key components for assessing the effectiveness of NbS and allows tracking long-term transformative change processes.

Invited speaker Ignacio Palomo is Laureate of the Make Our Planet Great Again (MOPGA) Research Program at the French National Center for Scientific Research (CNRS). He is based at the University of Grenoble-Alps in France. His research focuses on human-nature interactions and nature-based adaptation to climate change in mountain social-ecological systems. He is part of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) and a member of the Global Young Academy (GYA).

*This free online event is the third in the MRI 20th Anniversary Lecture Series, celebrating 20 years since the MRI Coordination Office was founded in 2001. This series aims to showcase MRI synthesis workshop research and build capacity in the mountain research community.*

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