WP2 - EXPERT ENGAGEMENT WORKSHOP

DESIGN OF THE EXPERT-BASED MULTI-RISK ASSESSMENT FRAMEWORK (MRAF) UNDERPINNING CUMULATIVE IMPACT APPRAISAL IN MARINE AND COASTAL ECOSYSTEMS

24th March, 2021

OBJECTIVES

Multiple activities are taking place across marine and coastal ecosystems (MCEs) without the full understanding of the composite interactions between natural and human-induced changes. The cumulative and synergistic impacts of these activities and climate change are triggering complex and severe alterations of MCEs biodiversity and their capacity to supply services for human well-being.

Drawing on this issue, Work Package 2 aims at reinforcing the ecosystem risk concept to efficiently implement ecosystem-based assessment and management measures allowing to better face multiple risks arising from the dynamic interplay between climate change and human-induced pressures. To achieve this bold objective, as a first step we need to better frame and disentangle these complex inter-relationships under a multidisciplinary and sound framework, embracing all MaCoBioS analytical perspectives and scientific knowledge

METHODOLOGY

1 PRE-EVENT

*Share a questionnaire online to get **preliminary information** and MaCoBioS experts' perspective on key components underpinning the MRAF (e.g., pressures, exposed targets, vulnerability of MCEs, etc...)*

2 DURING THE EVENT

WORLD CAFÉ DISCUSSION

*To connect multiple ideas and perspectives on a specific and complex topic, by **engaging participants** in several rounds of **small-group conversation***

CO-DESIGN THE MRAF

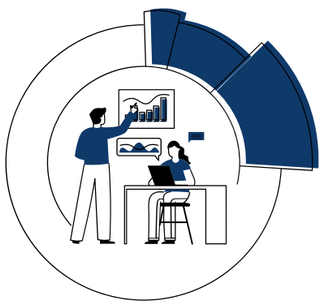
*To **integrate** the inputs from the world cafe sessions into the co-design of the framework using the **interactive Miro dashboard**.*

WRAP UP ALL TOGETHER

*To **merge** different frameworks in a **unique general MRAF**, highlighting the interconnections among the factors*

3 POST-EVENT

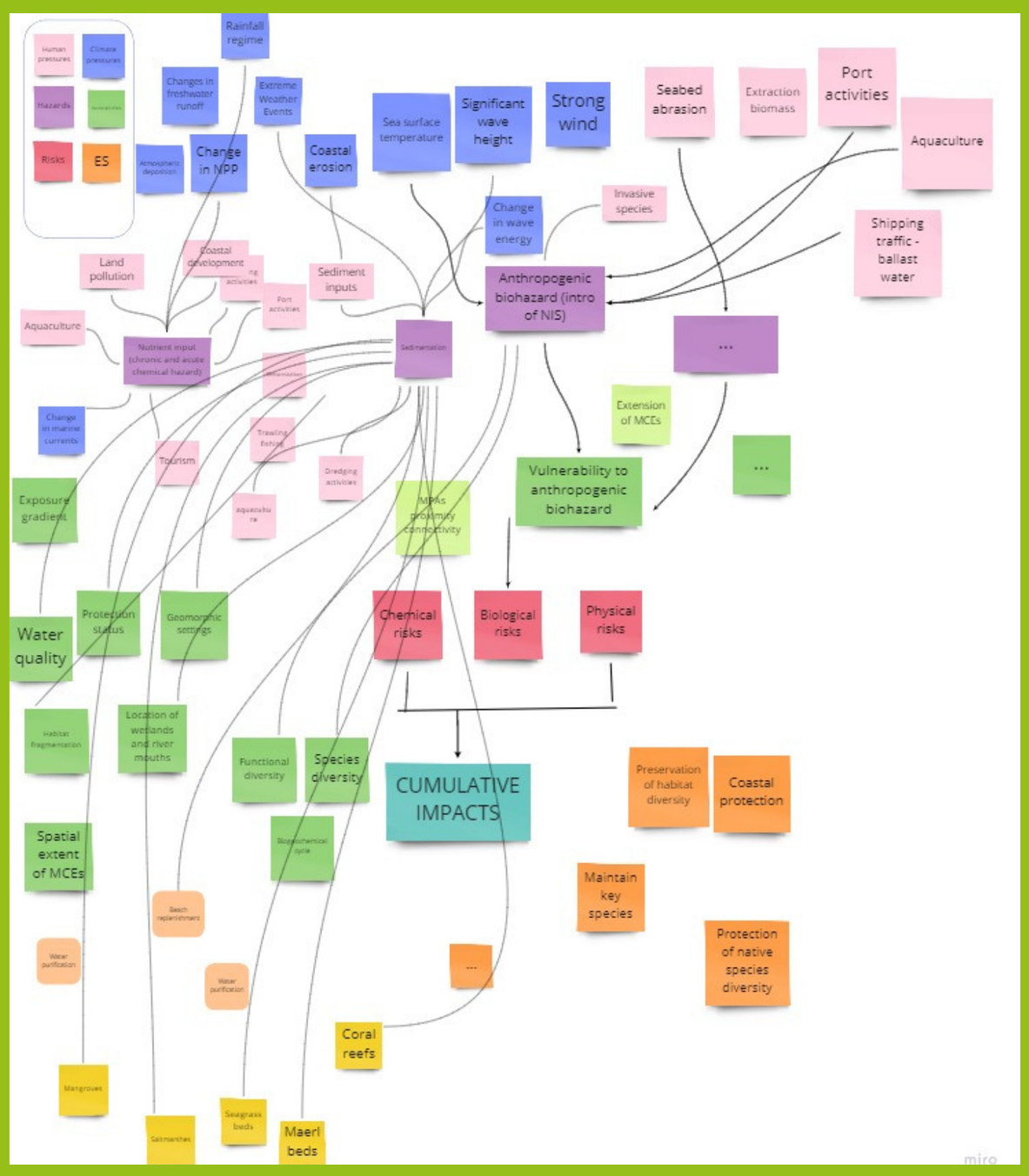
*The results of the workshop will be used to fill in the **Milestone M10** on the **General conceptual framework for multi-risk appraisal**. Moreover, a poster summarising the overall results will be shared with all participants.*



RESULTS & DISCUSSION

35 participants from 16 organizations

3 general MRAFs designed



FINAL REMARKS

- Everything is connected in a complex marine coastal socio-ecological system (pressure, vulnerability, and ecosystem services)
- Vulnerability resulted as the most tricky topic to be integrated into MRAF.
- Ecosystem services can be considered as a cross-cutting concept for connecting MRAF components
- Variables included in MRAF at stake will drive the data collection across the MaCoBioS eco-regions.

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