

ABSTRACT SESSION

The impact of anthropisation on marine and coastal environments in the past

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The analysis of the historical relationship between human societies and ecosystems is relatively common for terrestrial environments, but still relatively rare in coastal and maritime contexts, as these environments are generally more complex and harder to study.

Over time, the effects of anthropisation in marine ecosystems have increased, leading to significant transformations and impacts on biodiversity, habitat, and socio-ecological systems, as they also impact the livelihoods, cultures, and resilience of coastal communities. Understanding these long-term dynamics is essential if we want to develop more sustainable and adaptive management strategies for these complex systems. This session aims to fill this gap by analysing these coastal socio-ecological systems over the long term by using different approaches and methodologies.

Our session will try to explore and understand the impact of human activities on maritime and coastal environments. We're looking at how societies have historically interacted with these ecosystems, and how

those interactions have shaped both the environment and human development over time.

The session welcomes presentations on the following issues, but we are open to other contributions to the topics without any restriction in chronology or study area:

- New theoretical and methodological approaches to understand the impact of human anthropisation on marine and coastal environments in the past
- Environmental engineering in coastal areas
- Old and new methods to explore resilience and adaptive strategies of marine and coastal societies in response to historical environmental changes (ABM, GIS, historical ecology, statistical analysis, among others)
- Introduce methodological advances to address human-driven changes in coastal and marine environments over the long term by using accurate methods.
- Archaeological proxies showing anthropic impact in coastal areas