



# Special Issue - Quaternary International (ELSEVIER)

## Lost landscapes: reconstructing the evolution of coastal areas since the Late Pleistocene (PALEOCOAST)

Since the Late Pleistocene-Holocene transition, coastal landscapes underwent a widespread morphological and environmental evolution triggered by the significant changes in the postglacial rates of sea-level rise. Such major modifications were only rarely explored with standard methodologies. The aim of this Special Issue is to collect contributions discussing methodological and/or multi-disciplinary approaches to the reconstruction of past landscapes, from the onshore to the offshore, regional and local coastal modification that followed relative sea-level changes or extreme events in historical and recent times. Such information is crucial to assess the potential impact of relative sea-level rise and to prepare the adaptation of coastal communities threatened by changing climate. Special attention is paid to the technological content, considering that the recent technological innovation applied to geo-acoustic and remote-sensing methods opened numerous new possibilities of high-resolution mapping of wide coastal areas, seabed morphologies, and underwater archaeological structures.

Topics of this special issue include:

- Sea-level changes and human activities
- Palaeo-environmental reconstruction in coastal areas
- Geomorphological, stratigraphical and archaeological sea-level markers
- Underwater archaeology
- Advances methodology and applications for paleo-landscape reconstructions
- High-resolution 3D modeling of underwater landscapes
- VGM in coastal areas measured by remote sensing techniques
- Cases of historical and recent anthropogenic coastal modification

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**Abstract submission is open until 30<sup>th</sup> August 2021**

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