



## ABSTRACT SUBMISSION

# MidHolocene coastal Landscapes and Neolithic socio-environmental evolution of the eastern Arabia: the Neoarabia project viewpoint

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## Abstract

MidHolocene coastal Landscapes and Neolithic socio-environmental evolution of the eastern Arabia: the Neoarabia project viewpoint

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Neolithic Eastern Arabia coast offers an exclusive exploratory research opportunity to reconstruct past landscapes and environments in a region which has been greatly transformed since 5,000 years by aridification process. NeoArabia is an interdisciplinary and multi-scalar project, dealing with the long term of the Arabian Neolithic (6200-2800 BC) by a latitudinal transect of ~1000 km, from the UAE to southern Oman. Focused on environments/landscapes reconstructions and the mobility of coastal human communities, it tested the societal resilience, using socio-environmental scenarios. The project combines intra- and off-site analyses to understand changes in landscapes, coastal environments and resources during climatic-environmental and sea-level changes. It experimented the potentials and frontiers of multi-proxy integrated methods and multi-scalar analysis (from site to micro-regional and regional scales) to propose landscape evolution scenarios, site density (by SPD analysis), marine and coastal biomasses evolution (with progressive disappearance of rich mangroves ecosystems). The coastal landscapes, environments and economies of Eastern Arabia are evolving much faster than the cultural features reflected in the approaches to material culture, and Neolithic populations seem to have a particular risk management culture.

## Keywords

Oman, Middle Holocene, coastal environment, climate change, adaptation

## Session

5. Neolithic paths

## Workshop

A16656RC - The Arabian Neolithic: towards a comprehensive definition

Type of paper

