

## OS18

### European Collaboration for Implementation of Marine Research on Cores (**EuroMARC**)

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Scientific marine drilling and coring from the sub-seafloor is crucial to progress in the Earth and environmental sciences because the oceans regulate climate, cover the sites of fundamental geodynamic, geochemical and biological processes and preserve high-resolution records of the Earth history.

The **EuroMARC** programme supports coring activities in marine areas. **EuroMARC** aims at enhancing the benefit from already established funding groups and research communities like, for example, the International Marine Past Global Change Study (IMAGES) and the European Consortium for Ocean Research Drilling (ECORD), which is a contributing member of the Integrated Ocean Drilling Programme (IODP).

This session invites scientific contributions which illustrate the use of ocean coring data to investigate the ocean climate and dynamics, the ocean biogeochemistry and the carbon cycle, the deep biosphere, gas hydrates, ocean ridge processes, and ocean seismic arrays. This session offers in particular an overview of the **EuroMARC** scientific activities and aims to illustrate the use of marine coring to perform innovative and societal-relevant science. The session is opened to all **EUROMARC** participants but also to the participants of related programs and activities on ocean coring.