

## Special Issue

# Early Diagenetic Processes in Marine Cold Seeps

### Message from the Guest Editors

Cold seeps are a widespread phenomenon that occur on the shelves and continental slopes of inland and marginal seas around the world. The seepage of hydrocarbon-rich fluids causes a change in the biogeochemical environment in sediments and in bottom water. This contributes to the formation of carbonate and sulphide minerals, the enrichment of sediments with some trace elements, the transformation of communities of benthic animals and microorganisms, etc. In addition, cold seeps are a source of methane (the strongest greenhouse gas), the emission of which into the atmosphere can lead to positive feedback on climate warming. The study of modern cold seeps is the key to understanding their role in sedimentary processes and climate change in past geological periods. Multidisciplinary studies of cold seep marine sediments based on a variety of laboratory methods and covering various research aspects regarding the impact of fluid seepage are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2024)



## Quaternary

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### Message from the Editorial Board

We live in a Quaternary world, that is, a world shaped by the interplay of the different compartments of the earth system—lithosphere, hydrosphere, atmosphere, biosphere, cryosphere—during the last ~2.6 million years. It is not possible to understand the current world—and, hence, to anticipate its possible future developments—without knowing the Quaternary history of drivers, processes, and mechanisms that have generated it. Our own species is an evolutionary outcome of the Quaternary performance. Therefore, the journal *Quaternary* is born with the aim of being an integrative journal to encompass all aspects of Quaternary science focused on understanding the complex world in which we live and to provide a sound scientific basis to anticipate possible future trends and inform environmental policies.

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