

## Special Issue

# Experimental and Numerical Simulation of Methane Hydrate Geological Systems

### Message from the Guest Editors

The characteristics and dynamics of methane hydrate systems (such as the hydrate concentration and distribution, host sediment petrophysical properties, thermodynamic stability and methane–biosphere/hydrosphere/atmosphere interactions) are key for assessing energy production from hydrates and its role as a future transition fuel; evaluating the effect of the hydrates' dissociation on the ocean floor stability, the Earth's climate and ocean carbon cycles; and developing novel hydrate applications. This Special Issue aims to gather recent studies on the experimental and numerical simulation of the thermo–hydro–chemo–mechanical behavior of methane hydrate systems.

### Guest Editors

Dr. Maria de la Fuente

Dr. Jean Vaunat

Dr. Hector Marin Moreno

### Deadline for manuscript submissions

closed (25 March 2022)



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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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