



The Environmental Impacts of Oil and Gas Industry: Potential and Limits of Remote Sensing Methods

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Deadline for manuscript submissions:

closed (26 March 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the role of earth observation (EO) data and remote sensing (RS) techniques for the identification and assessment of environmental impacts of both onshore and offshore oil and gas (OG) activities on air, water, soil, and ecosystems. The purpose of this Special Issue is to collect research articles addressing this complex and multifaceted topic, with particular reference to:

- Exploring the current earth observation capabilities in providing an overview of the environmental status and of trends over time seen in relation to OG activities;
- Analyzing the capabilities and drawbacks of satellite data (both optical and synthetic aperture radar (SAR)) and methods for detecting, characterizing, and estimating all impacts (environmental, social, economic) of OG activities.





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