Special Issue

Asset-Level Modelling to Achieve a Better Understanding of Climate-Related Impacts

Message from the Guest Editors

According to the United Nations, climate hazard-related disasters have risen significantly, with over 7000 incidents between 2000 and 2019. These events impacted 4 billion people and caused nearly USD 3 trillion in losses. This surge is primarily due to extreme weather events. If global temperatures continue to rise and net-zero targets are not met by 2050, 10% of the world's economic value may be lost. In this framework, this Special Issue aims to collect contributions from EU ICARIA project promoting the use of asset-level hazard and risk models to better understand climate-related impacts and the potential reduction provided by sustainable and cost-effective adaptation solutions. Submissions to this Special Issue should focus on the results of cutting-edge assessment methods implemented in the three ICARIA case studies (Barcelona Metropolitan Area, South Aegean Archipelago, and Salzburg Region), all facing severe climate challenges. Presentation of comprehensive climate risk assessments considering complex events including compound events and cascading effects are especially encouraged to ensure scientific novelty and state-of-the-art contributions.

Guest Editors

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Deadline for manuscript submissions

31 December 2025



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/226719

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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