

Special Issue

Complex System Approaches to Climate Change and Sustainable Development

Message from the Guest Editor

This Special Issue's focus is fundamental and applied research in the conceptualization, systematization, modeling, and formal analysis of the complex dynamics and decision-making underlying climate change and sustainable development policies. Contributions may range across the following research areas:

- conceptualization and systematization of climate change challenges from a holistic perspective involving dynamics of the oceans, atmosphere, geosphere, biosphere, and society;
- statistic–dynamic methods of extraction and analysis of information related to the dynamics of complex systems from empirical and computational records;
- detection of patterns of spatial and temporal climatic variability from data of the dynamics of the Earth system and attribution to underlying mechanisms;
- methods of evaluating uncertainty and predictability in complex system dynamics for model optimization and the provision of decision-making support to sustainable development policy-makers.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2022)



Climate

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CiteScore 5.7



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Editor-in-Chief

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