

## Special Issue

# Complex Systems Time Series Analysis and Modeling for Geoscience

### Message from the Guest Editor

The relatively new field of complex systems is rapidly evolving, finding applications in all types of natural, artificial and social systems. Typical examples include the different components of the Earth system, such as the atmosphere, biosphere, cryosphere, lithosphere, oceans, the near-Earth electromagnetic environment, etc., as well as their interaction. Since “controllable” laboratory conditions are not possible in a study of the Earth system, one has to rely on an analysis of the time series of any available (ground-based or remote sensing) observables and corresponding modeling of the underlying non-linear processes involved.

The aim of this Special Issue is to highlight the research topic of complex systems time series analysis and modeling for geoscience and to collect original contributions on this topic. Researchers are encouraged to present the most recent developments in both theoretical and experimental studies aimed at understanding different non-linear phenomena of the complex Earth system and its components, while laboratory-scale studies, where applicable, are also welcome.

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### Guest Editor

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### Deadline for manuscript submissions

closed (13 September 2021)



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### Editor-in-Chief

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