Special Issue

Seasonal Forecasting Climate Services for the Energy Industry

Message from the Guest Editors

The energy industry is amongst the sectors increasingly impacted by climatic events. This is why the industry is seeking to mitigate its losses by making use of the latest advances in seasonal climate forecasting. The aim of climate services is to offer accurate seasonal climate forecast to help to reduce risk and cost. In turn, the optimal use of these forecasts should lead to a better supply–demand balance in the energy sector. A critical aspect in the uptake of climate services is the proper understanding of the requirements of the industry and how climate information can effectively and practically be used. This Special Issue invites work that contributes toward the following targets:

- Demonstrate that dynamical and/or statistical models have sufficient additional information to perform better than current benchmarks;
- Understand the limitations of using forecast over years;
- Identify the benefits of using multi-model forecast combinations;
- Understand the stages of decision making with reference to climate information;
- Operationalise and possibly commercialise a seasonal forecast climate service.

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About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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