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 vears:
- 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.

Guest Editors

Prof. Dr. Alberto Troccoli

- 1. School of Environmental Sciences, University of East Anglia (UEA), Norwich NR4 7TJ, UK
- 2. World Energy & Meteorology Council (WEMC), The Enterprise Centre, Norwich NR4 7TJ, UK

Dr. Chaofan Li

Center for Monsoon System Research, Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing 100029, China

Deadline for manuscript submissions

closed (30 June 2023)



Climate

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 5.7



mdpi.com/si/92355

Climate
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
climate@mdpi.com

mdpi.com/journal/climate





Climate

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 5.7



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).

Editor-in-Chief

Dr. Timothy G. F. Kittel

Institute of Arctic and Alpine Research, University of Colorado Boulder, Boulder, CO 80309-0450, USA

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Meteorology and Atmospheric Sciences) / CiteScore - Q2 (Atmospheric Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.6 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).

