



Atmosphere-Ocean Modeling: Coupling and Couplers

Guest Editors:

Dr. Li Liu

Department of Earth System
Science, Tsinghua University,
Beijing 100084, China

Dr. Luis Cana

Instituto de Oceanografía y
Cambio Global, Parque Científico
Tecnológico Marino de Taliarte,
35214 Telde, Spain

Deadline for manuscript
submissions:
closed (28 October 2022)

Message from the Guest Editors

Dear Colleagues,

Atmosphere–ocean interactions play an important role in climate simulations and seamless weather predictions. A coupled model with atmosphere and ocean components is a fundamental tool to study atmosphere–ocean interactions. Couplers, an important kind of model infrastructures, have already been developed for wide use in developing coupled models. This Special Issue aims to present recent advances in coupling and couplers for atmosphere–ocean modeling. Topics of interest for the Special Issue include but are not limited to the following:

1. The development and evaluation of new atmosphere–ocean coupled models;
2. New methods for improving atmosphere–ocean coupling or coupled models;
3. Couplers as well as model infrastructures developed for improving atmosphere–ocean coupling.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences
and Climate (ISAC), National
Research Council (CNR), Str. Prv.
Lecce-Monteroni km 1.2, 73100
Lecce, Italy

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us

Atmosphere Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)