

Special Issue

Atmosphere–Ocean Modeling: Coupling and Couplers

Message from the Guest Editors

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:

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

Guest Editors

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About the Journal

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!

Editor-in-Chief

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