



Special Issue on Regional Climate Modeling: Evaluation and Applications

Call for Papers

The goal of the regional climate modeling is to advance the predictive understanding of Earth's climate by focusing on scientific analysis of the dominant sets of governing processes that describe climate change on regional scales; evaluating robust methods to obtain higher spatial resolution for projections of climate and earth system change; and diagnosing model systems that are cause for uncertainty in regional climate projections. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **Regional Climate Modeling: Evaluation and Applications**.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Regional Climate Modeling: Evaluation and Applications**. Potential topics include, but are not limited to:

- Observations, modeling and analysis of regional climate
- Very-high-resolution regional climate models
- Challenges to RCM evaluation and application
- RCM ensembles
- Regional climate downscaling and observing systems and their associated uncertainties
- Regional climate change impacts
- Applications of regional climate information
- Future directions for regional climate science

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Regional Climate Modeling: Evaluation and Applications**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	November 28th, 2026
Publication Date	January 2027



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