



Regional Climate Modeling: Ocean–Atmosphere Coupling

Guest Editors:

Professor Bodo Ahrens

Institute for Atmospheric and Environmental Sciences, Goethe University Frankfurt am Main, Frankfurt, Germany

Dr. Anika Obermann-Hellhund

Institute for Atmospheric and Environmental Sciences, Goethe University Frankfurt am Main, Frankfurt, Germany

Deadline for manuscript submissions:
closed (31 January 2020)

Message from the Guest Editors

Dear Colleagues,

We would like to invite you to contribute to a Special Issue of Atmospheres that will be dedicated to the field of ocean–atmosphere interactively coupled regional climate modeling. The Special Issue will elucidate developments in coupled regional climate models and simulations. Both modeling studies on climate processes and studies on model evaluation and intercomparison are welcome. Manuscripts may also focus on climate predictions (from seasonal to centennial) using ensembles of coupled climate simulations and are not limited to specific areas. Studies using high-resolution simulations that, e.g., provide a better representation of processes close to the coast are encouraged. In addition, nesting and coupling strategies of different climate compartment models and new analysis techniques for the investigation of complex coupled systems applied to the air–sea challenge are of high interest.

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Dr. Anika Obermann-Hellhund
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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!

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Contact Us

Atmosphere Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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