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Towards Inclusive and Operational Weather and Climate Services to Strengthen Resilience to Climate Change

Guest Editor:

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Deadline for manuscript submissions:
closed (1 September 2020)

Message from the Guest Editor

Dear Colleagues,

In this Special Issue, we focus on simulations, experiments, feedbacks, case studies, and reviews that could help scientists, decision makers and practitioners to implement better, more efficient and inclusive weather and climate services (WCS). This includes their technical aspects (model skills), interactions with users and knowledge brokers, environmental and economic impacts assessments, projects' financial structure (for instance, forecast-based financing), and inequalities induced by WCS. We focus here on a wide range of products, ranging from hourly forecasts to seasonal ones and also including climate projections made by GCMs/RCMs. Moreover, we include, in this Special Issue, several sectors where WCS are useful, such as agriculture, water resources, health, energy, and disaster risk reduction. We place special emphasis on the latter and on communications with a strong interdisciplinary component. Finally, we especially welcome contributions about developing regions (such as Africa, Latin America and the Caribbean, Asia, and small islands developing states).

Dr. Philippe Roudier
Guest Editor

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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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