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Analysis of Oceanic and Terrestrial Atmospheric Moisture Sources

Guest Editors:

Prof. Dr. Vicente Pérez Muñuzuri

Dr. Raquel Nieto

Prof. Dr. Francina Dominguez

Prof. Dr. Gonzalo Miguez Macho

Dr. Jorge Eiras-Barca

Deadline for manuscript submissions:
closed (30 June 2019)

Message from the Guest Editors

Recent improvements in the analysis of precipitation trends and moisture advection processes have been revealing the growing importance of proper identification of the origin of the moisture associated with major hydrometeorological systems. This appropriate identification of the moisture sources involved in the primary atmospheric mechanisms resulting in precipitation events will help to better understand and conveniently predict their future evolution.

This Special Issue entitled "*Analysis of Oceanic and Terrestrial Atmospheric Moisture Sources*" aims to encompass novel manuscripts related to moisture sources which may be analyzed together with the associated sinks and transport processes. Works related to atmospheric rivers, low-level jets, extreme precipitation, hydrological cycle, moisture tracers, and Lagrangian or Eulerian analysis of the moisture spatial evolution are very welcome, along with any other related work that could help the current state of the art of hydroclimatology processes.

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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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atmosphere@mdpi.com
𝕏@Atmosphere_MDPI