

Special Issue

Flood Management and Impacts

Message from the Guest Editors

Floods have become one of the main risks affecting the worldwide population. Every year, millions of people are affected by events that cause heavy damages and the loss of life. Such disasters can be of a different kind, dependent on scale and cause, but all have common factors: first, the fact that they originate from atmospheric phenomena; second, the difficulties associated with predicting them; and third, the complexity of implementing prevention and mitigation measures. Nonetheless, the socioeconomic impact caused by floods is increasing at the same time as human occupation of land increases as well, and there are changes in climatic conditions that affect the origin and consequences of flooding events. In this context, this Special Issue invites expert contributions from around the world dealing with topics such as:

- Flood impact analysis;
- Flood management projects;
- Past and current resilience examples;
- Flood management sustainability practices;
- Knowledge and answers in front of flood disasters;
- Risk exposure (fatalities, injuries, damages);
- Characterization and typologies of floods.

Guest Editors

Dr. Miquel Grimalt-Gelabert

Dr. Ioanna Stamataki

Dr. Joan Rosselló-Geli

Deadline for manuscript submissions

closed (30 October 2023)



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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

Dr. Daniele Contini

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