

Special Issue

Advances and Challenges in Flood Map Development and Its Applications

Message from the Guest Editors

Floods have become more common and more severe because of the acceleration in climate change. This situation drives increasing risks facing properties, communities, and businesses and requires development work to quantify flood risk in a large area. In general, a flood map is one of the most efficient ways to represent the risks to individuals to understand how pluvial, fluvial, and coastal flooding will impact them personally. However, the development and use of effective flood risk maps are a challenge as it requires complex pre- and post-processes based on interdisciplinary research, including hydrology, hydraulics, hydrometeorology, and remote sensing. We would like to invite scientists and researchers involved in this flood risk topic to contribute to this Special Issue of Journal Water, which will be focused on 'Advances and Challenges' in (1) Flood map development for fluvial, pluvial, and coastal areas from scientific and technical perspectives and (2) Applications of such maps for various purposes such as loss and damage cost estimation and projection. Submission of studies that could address keywords (listed below) at various scales is strongly encouraged.

Guest Editors

Dr. Jungho Kim

Dr. Ed Kearns

Dr. Jeremy Porter

Dr. Kyra Bryant

Deadline for manuscript submissions

closed (25 July 2023)



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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
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