

Newsletter 1-2020



Advances in Flood Risk Management

Following its announcement during the IAHR 85th Anniversary Summit, the IAHR Technical Committee on *Flood Risk Management* is delighted to launch the **call for contributions on “Weak Points in the Flood Risk Modelling Chain”**

Why this call?

In terms of human suffering, economic costs and damage to cultural and environmental heritage, floods have impacts increasing yearly worldwide. Catastrophic flooding in July 2021 in Germany, Belgium, China, and India are the more recent evidences of these trends, with unprecedented intensity and tragic consequences in terms of loss of life and impacts on the social and economic fabric of the affected communities. As stressed by many outstanding members of IAHR following the floods, this means that we are far from properly predicting and managing flood risk (<https://www.iahr.org/index/detail/482>). On the one hand, **we are faced by the occurrence of more extreme climate-related events**, transformations of rural landscapes and unsustainable urban population growth, which continuously changes the boundary conditions at which flood risk models must be adapted to deliver reliable results. On the other hand, **our efforts are frustrated by limitations in our modelling capabilities**. As a committee we would like to offer a platform to all IAHR members to share their experience in flood risk modelling, to discuss about such limitations, with the final aim of improving our modelling and risk mitigation capabilities.

Reasons to contribute

With this call we seek IAHR contributions on: (i) identification of weak points/limits in the flood risk modelling chain; (ii) tools, best practices, bench mark data sets and case studies that could support our researcher and practitioner communities in dealing with those shortcomings. All collected contributions and material will finally be made available to all IAHR members to increase the awareness on the weak points in the flood risk modelling chain, but also **to support our researcher and practitioner communities as well as authorities for problem-solving in practice**, towards the implementation of science-informed actions, strongly recommended by the IAHR community.

How to contribute

If you want to contribute, go to the dedicated IAHR webpage (<https://www.iahr.org/index/detail/337>) and fill in the form. Before publication, your contribution will be peer-reviewed by the editorial board of the initiative, with members from the Flood Risk Management Technical Committee. We looking forward receiving your contribution.

If you are interested in presenting actual developments within our newsletter, please send your contributions to Stefan Haun (stefan.haun@iws.uni-stuttgart.de) or Daniela Molinari (daniela.molinari@polimi.it)

