Newsletter 1-2022

Advances in Flood Risk Management

Flood Risk Management Technical Committee - New Leadership Team

A new Leadership Team of the *Flood Risk Management Technical Committee* (FRM-TC) was elected during the 39th IAHR World Congress in Granada, Spain (June 2022). Good work to the new leadership team!

Daniela Molinari *(Chair)*

Stefan Haun *(Vice Chair)*

Alastair G. Barnett *(Past Chair)*

Members
Cesar Adolfo Alvarado Ancieta
Tomasz Dysarz
Ravindra Vitthal Kale
Daniele P. Viero

Co-opted members
Mustafa Altinakar
Francesco Ballio
Benjamin J. Dewals
Jennifer G. Duan
Kamal El Kadi Abderrezzak
Marian Muste

40th IAHR World Congress (Austria, 2023)
– deadline for abstract submission 30th November 2022 –

The deadline for the submission of abstracts to the *40th IAHR World Congress*, held in Vienna (21-25 August 2023), is approaching. We invite you to submit abstracts to all sessions related to Flood Risk Management.

A **special session** is organized by the FRM-TC *Integrated Flood Risk Management from Science to Practice* (IAHR_4_S1). The session aims to bridge the connection between scientific researchers, practitioners, and flood managers for sustainable flood risk planning and implementation. We solicit papers to 1) present bad and good experiences in field deployment and application of flood risk management tools, such as hydrodynamic numerical models or risk analysis software; 2) discuss obstacles in technology adoption for flood defense and management; 3) provide examples on rapid and remote sense-based field data collection in flood events; and 4) present multidisciplinary research and application of flood risk assessment and management.

40th International school of Hydraulics (Poland, 2023)
– deadline for abstract submission 30th November 2022 –

The *40th International School of Hydraulics – Advances in Hydraulic Research* will take place under the auspices of IAHR in Kąty Rybackie (Poland) on 23rd – 26th May 2023. The conference brings together academics and practitioners as well as young scientists working in the field of hydraulics. The promoted themes include computational methods, laboratory and field experiments, environmental hydraulics, and other issues related to the research of the aquatic environment. Abstracts may be submitted for oral and poster sessions by 30th November 2022.

The village of Kąty Rybackie is located on the sandy beaches of the southern Baltic Sea, close to the Vistula Spit waterway that was inaugurated on 17th September 2022. Visits of the Vistula Spit and of the Institute of Hydro-Engineering of the Polish Academy of Sciences labs are planned during the conference.

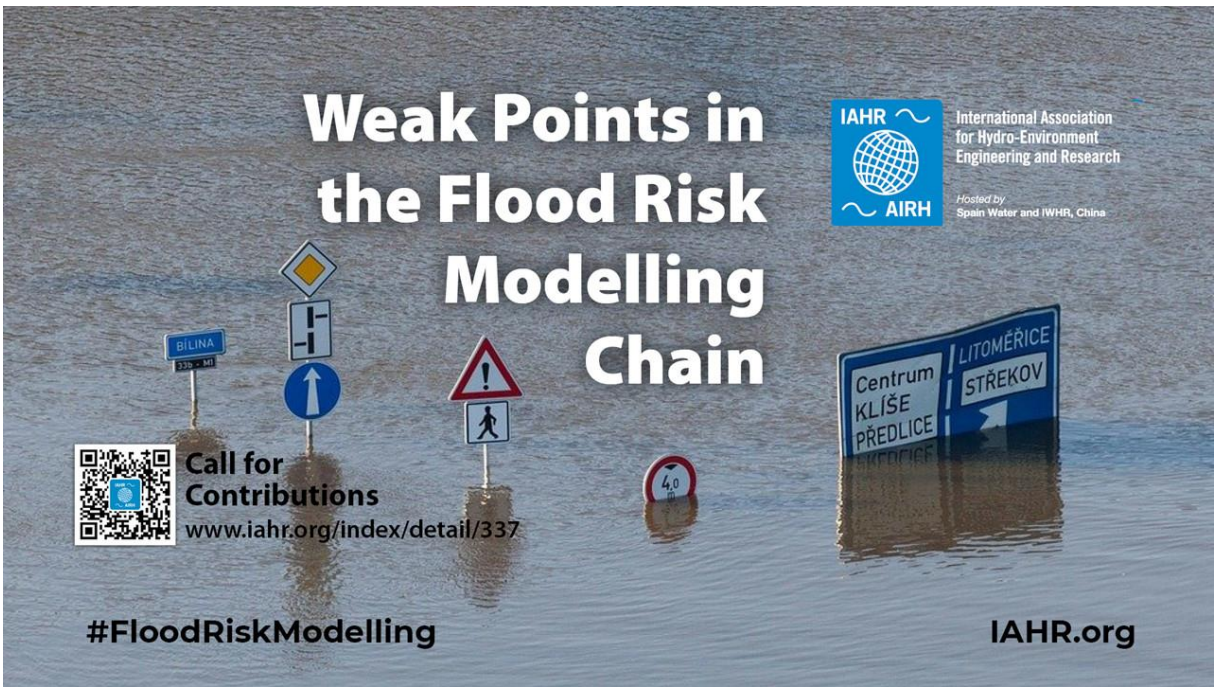
Before the conference, on 22nd May 2023, several workshops are organized. The **course** on ***Basic Features of HEC-RAS Software*** will be held by Dr. Tomasz Dysarz, a member of the FRM-TC. The course, composed of two blocks of 1.5 hours each, aims at giving a short and gentle introduction to HEC-RAS, one of the most powerful tools for hydrodynamic simulation of free-surface flows. The focus is set on the preparation of a hydrodynamic model with and without GIS data.

Weak points in the flood risk modelling chain
– Special Session at 7th IAHR European Congress (Athens, September 2022) –

Great success for the Special Session *Weak points in the flood risk modelling chain*, organized by the FRM-TC with Daniela Molinari and Stefan Haun as chairs held at the 7th AHR Europe Congress in Athens (Greece) in September 2022. About one hundred people attended the session and followed with interest eight presentations, whose Abstracts are available in the book of abstracts (https://www.erasmus.gr/microsites/1227/book-of-abstracts; pp. 185–200). The covered topics included indirect impacts of floods, model resolution and geometric data, hydraulic resistance in presence of arboreal vegetation, integrating hydrological and hydrodynamic modelling, automatic calibration of 2D flood models, comparison and coupling of 1D and 2D modelling approaches, and the design of Flood Early Warning Systems.

We would like to remind you that the initiative *Weak points in the flood risk modelling chain* remains active (https://www.iahr.org/index/detail/338).

Your contribution is welcome!



This newsletter is edited by Tomasz Dysarz, Ravindra Vitthal Kale, and Daniele P. Viero. If you are interested in presenting actual developments within our newsletter, please send your contributions to Daniele P. Viero (daniele.viero@unipd.it).