



## Preface: ICFM9 – River Basin Disaster Resilience and Sustainability by All

Toshio Koike<sup>1</sup>, Shinji Egashira<sup>1</sup>, Miho Ohara<sup>1,2</sup>, Abdul Wahid Mohamed Rasmy<sup>1</sup>, Tomoki Ushiyama<sup>1</sup>, Mamoru Miyamoto<sup>1</sup>, Daisuke Harada<sup>1</sup>, Kensuke Naito<sup>1</sup>, Christophe Cudennec<sup>3</sup>, and Svenja Fischer<sup>4</sup>

<sup>1</sup>International Centre for Water Hazard and Risk Management (ICHARM), Tsukuba, Japan

<sup>2</sup>Interfaculty Initiative in Information Studies, the University of Tokyo, Tokyo, Japan

<sup>3</sup>SAS, Institut Agro, INRAE, Rennes, France

<sup>4</sup>Hydrology and Environmental Hydraulics, Wageningen University & Research, Wageningen, the Netherlands

**Correspondence:** Toshio Koike (koike@icharm.org)

Published: 23 January 2025

Under the main theme of “River Basin Disaster Resilience and Sustainability by All: Integrated Flood Management in the Post-Corona Era”, the 9th International Conference on Flood Management (ICFM9) was held in Tokyo and Tsukuba, Japan, from 18 to 22 February 2023 with the participation of 394 flood experts from 41 countries and regions (212 from Japan, 100 from Asia, 78 from the rest of the world, including four unknown). During the event, 24 parallel sessions were organized, with 143 oral presentations in the parallel sessions and 48 poster presentations under the following nine themes:

1. Lessons Learnt from the Recent Flood & Sediment Disasters towards Better Understanding and Actions
2. Data Integration, Modelling, Forecasting and Early Warning
3. Assessment of Changing Global Risks and their Impacts on Flooding
4. Flood & Sediment Disaster Counter Measures: Structural and Non-structural Approaches
5. Flood & Sediment Disaster Resilience: Shock Absorption, Response and Transformation
6. Flooding Governance and Finance
7. Education and Capacity Building for Effective Flood Management

8. Interlinkage between Flood & Sediment Disaster Resilience and the SDGs: Interdisciplinary and Transdisciplinary Approaches

9. Systems Approach to Management of Floods

The editors of the ICFM9 volume received a total of 67 submissions, following the recommendations of the session chairs and co-chairs based on the abstracts and content of the presentations and discussions in each session. After reviews by at least two reviewers for each paper, the editors accepted 51 papers for this volume.

In view of the common topics of the papers and the important aspects related to flood disasters, the editors divided the 51 papers into the following six groups and structured the volume based on the interrelationships among the papers:

- i. Lessons learnt
- ii. Hydro-meteorological approach
- iii. Sediment disaster approach
- iv. Risk assessment
- v. Climate change
- vi. Resilience and sustainability

The volume editors would like to express their sincere thanks to the authors, reviewers, IAHS and Copernicus for their great contributions to this volume. As the editor-in-chief of this volume, I would like to extend my highest appreciation to all the volume editors for their excellent review management of a large number of papers. In particular, I would like to express my sincere thanks to Dr. Kensuke Naito, who took on the role of Secretary to the volume editors, for his dedication and skillful management.

Toshio Koike, editor-in-chief, 6 October 2024

**Disclaimer.** Publisher's note: Copernicus Publications remains neutral with regard to jurisdictional claims made in the text, published maps, institutional affiliations, or any other geographical representation in this paper. While Copernicus Publications makes every effort to include appropriate place names, the final responsibility lies with the authors.