

# Flood Risk Assessment and Forecasting

 National Research Council  
Institute of BioEconomy



**12/12**

**2022**

Aula 2 Fermi  
Area della Ricerca  
Sesto Fiorentino (FI)

Reserve your spot



## PROGRAMME

- 10.00 - 10.10 **Introduction**  
Vieri Tarchiani, IBE-CNR
- 10.10 - 10.30 **Flood Risk Assessment in remote and Data-Scarce Areas**  
Maurizio Tiepolo, Associate Professor of Urban and Regional  
planning, DIST-Politecnico and University of Turin
- 10.30 - 11.00 **Adapting Social Impact Assessment to Flood Risk  
Management (I) Concepts and Cornerstones**  
Antonio Aledo, Professor at University of Alicante
- 11.00 - 11.30 **Adapting Social Impact Assessment to Flood Risk  
Management (II) An Applied Methodological Proposal**  
Guadalupe Ortiz, Associate Professor University of Alicante
- 11.30 - 12.00 **Flood Risk Assessment and Early Warning**  
Lauro Rossi, CIMA Research Foundation
- 12.00 - 12.30 **Discussion**



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## Speakers' Short Bios

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### ANTONIO ALEDO

Full Professor at the University of Alicante (UA). PhD in Sociology and MSc in Anthropology (Louisiana State University) with more than 70 articles and book chapters published. He teaches Environmental Sociology and Sociology of Risk at the UA. His line of research focuses on the development of Social Impact Assessment (SIA) methodologies and social vulnerability analysis applied to megaprojects and natural disasters. He investigated the social impacts of megaprojects such as the expansion of the Panama Canal, a set of dams in the upper Paraná River basin (Brazil) and the Baker River (Chilean Patagonia) or mining projects in the Brazilian Amazon. In the field of natural disasters, he is applying SIA to flood and earthquake hazards. He is the director of the Socioeconomic Observatory of Floods and Droughts at the Institute of Water and Environmental Sciences (UA) and collaborator of the Scientific Division of Environmental Management, Science and Technology, University of Sao Paulo.

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### MAURIZIO TIEPOLO

Associate Professor of Urban and Regional Planning at DIST (Dipartimento Interateneo di Scienze, Progetto e Politiche del Territorio) - Politecnico di Torino. He has been studying measures to address flood, drought and warm spell risk in the rural and urban tropics since 2011. He has coordinated several local risk reduction plans. Areas of academic interest are Climate Change Adaptation, Climate Planning, Disaster Risk Reduction, Land policies, Land surface temperature, Land Tenure, Land use/land cover change, Local Development, Regional Planning, Sustainable Development, Urban Planning. He has been scientific responsible of several international projects in Sub-Saharan Africa. His research is interdisciplinary: Agronomy, Geomatics, Hydraulics, Hydrology, and Climatology. The involvement of networks of researchers aims to enrich methods and comparisons. Innovative methods and research findings are then shared through vocational training in Italy and the Global South.

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### GUADALUPE ORTIZ

PhD in Sociology at University of Alicante (UA) and a MSc in Environmental Management at University of Valencia. She is an Associate Professor in the Department of Sociology I (University of Alicante), deputy director of the Institute of Water and Environmental Sciences, director of the directs Population, Environment and Development research group and deputy director of the Socioeconomic Observatory of Floods and Droughts. She has chaired the Research Committee 21 of Sociology and Environment of the Spanish Federation of Sociology. She is specialised in Environmental Sociology. Her main line of work focuses on the development of methodological tools for the diagnosis and management of socio-environmental problems, with a recent interest in the impacts of natural disasters, as well as the application of participatory and transdisciplinary approaches to environmental management.

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### LAURO ROSSI

Environmental Engineer with more than 20 years of relevant experience in Disaster Risk Reduction at national and international level, with special focus on flood risk assessment and Early Warning System (EWS). As EWS Program Director, he coordinates CIMA Innovation, Development and Implementation of Early Warning Systems in different contexts and for different hazards (floods, droughts, wildfires). He has a long record of successful implementations of research and operational projects, as well as complex international DRR projects mainly in Africa, Latin America and Caribbean. Consolidated experience in building consensus, partnership and negotiation with governments, UN system and international investment banks for the implementation of projects at regional and country scale. Active participation as invited speaker in international conferences and author of papers in international refereed journals, scientific reports and book chapters.

**Save  
the Date**

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