20 March 2025

20th IDRiM Cafe

Deep Evolution of Climate Change: Recent Global Flood disaster, Lessons about Pro-active preparedness and social amplification in Central Europe and South Asia

Surajit Ghosh

Surajit Ghosh is an experienced researcher with a demonstrated history of working in the environmental services industry (Applications of spatial techniques in Forestry, Water Resources and Agriculture). He is skilled in Machine learning, Geo-Big Data analytics and cloud computing. He is experienced in Hydrological and Ecological modelling. He worked for various profit and non-profit organizations, such as the International Center for Agricultural Research in the Dry Areas (ICARDA) and IORA Ecological Solutions Pvt. Ltd, and space agencies such as the Indian Space Research Organisation (ISRO). He has completed his PhD at the National Institute of Technology (NIT) Durgapur in collaboration with the Indian Institute of Remote Sensing (IIRS). Currently, he is working for the International Water Management Institute (IWMI). He also represents IWMI in CGIAR-CSI – Consortium for Spatial Information. He is also a certified Chartered Engineer from the Institution of Engineers (India), a member of the Geospatial Information Sectional Committee, LITD 22, Govt of India, a Life member of the Indian Society of Remote Sensing and a Senior Member of IEEE. His work has primarily been in the South Asia region and Africa. His current research focuses on multi-sensor data integration to develop spatial decision support systems to mitigate Climate Risks, specifically floods and droughts. He is a member of the Science Application Team of the upcoming NASA project SWOT and has done several projects with the World Bank, IFAD, and other international agencies. He published over 50 scientific articles, policy briefs, technical reports, etc.

Debaleena Roy

Debaleena Roy is an Urban Planner and PhD scholar at the Centre of Excellence in Disaster Mitigation and Management, IIT Roorkee, specializing in urban resilience, flood risk management, and disaster risk reduction. She holds a Master's degree in Urban and Rural Planning from IIT Roorkee and a Bachelor's in Planning from SPA New Delhi. Her doctoral research focuses on resilient planning for river cities, with an emphasis on Silchar, to address flood risks and urban sustainability challenges.

Beyond academia, Debaleena has worked extensively in urban planning and disaster management. She contributed to the National Association of Street Vendors of India (NASVI) by advocating for street vendors' rights and preparing City Street Vending Plans for Indian cities. She is also actively engaged with the South Asia Alliance of Disaster Research Institutes (SAADRI) and CoEDMM, IIT Roorkee, where she plays a key role in coordinating disaster research initiatives, organizing workshops, and developing knowledge resources for South Asia's disaster-prone regions. Her contributions enhance the outreach and impact of disaster resilience efforts.

Her passion lies in building resilient, inclusive, and sustainable urban systems. Through her research and professional engagements, she strives to bridge the gap between urban planning and disaster risk reduction, ensuring cities are better prepared to withstand environmental challenges.

Iulia Ajtai

Dr. Iulia Ajtai is a Research assistant at the Faculty of Environmental Science and Engineering, Babes-Bolyai University, Romania, her main field of interest being flood risk assessment and GIS techniques applied to this domain.
She obtained a PhD in Environmental Science from the same institution, the PhD thesis focusing on GIS tools for quantitative flood damage assessment in data-scarce environments. She did a postdoctoral research fellowship related to social flood vulnerability analysis in the Someș-Tisa basin, Romania. Iulia has worked on various research projects, focusing her research on flood hazard mapping, hydrological modeling, and geospatial data analysis. Her expertise extends to remote sensing applications for flood extent mapping and monitoring, using satellite imagery. She has experience in developing flood hazard maps by analyzing terrain characteristics, and hydrological parameters to identify areas at risk of inundation.

Viorel Arghius

Viorel Arghius is a lecturer at the Faculty of Environmental Science and Engineering, Babeș-Bolyai University, Cluj-Napoca, Romania. The main research interests include natural hazards and environmental impact assessments. He has been involved in various research projects focusing mainly on environmental challenges and flood disaster risk reduction. He also recently worked as an independent expert for the World Bank, providing recommendations regarding flood risk management for Romania's National Disaster Risk Reduction Strategy 2023-2025.

Zoom

https://kyoto-u-edu.zoom.us/j/93761235207?pwd=DCGNgrnE8Qo4RPhyIwOCO9i2xNMb6z.1

Meeting ID: 937 6123 5207
Passcode: 858658

Time

Time Zone	Time
EST	8:00 AM
UTC	12:00 PM
CET	13:00 PM
IST	17:30 PM
JST	21:00 PM