

CaMa-Flood User/Developer Meeting 2024: Tentative Schedule

5-7 Friday

9:00-10:00 Icebreaker

10:00-11:00 Opening

		Dai Yamazaki	<i>Institute of Industrial Science, The University of Tokyo</i>	Recent advances and next challenges in global hydrodynamics modelling
11:00-11:55	Session 1	Flood Risk Assessment [1]		
		Tobias CONRADT	<i>Potsdam Institute for Climate Impact Research</i>	Application of CaMa-Flood in the Danube River Basin
		Fang Zhao	<i>East China Normal University</i>	Analyzing the Impact of Precipitation Patterns on Historical Mega-Flood Events in the Yangtze River Basin
		Masahiro ABE	<i>University of Michigan; Ministry of Land, Infrastructure, Transport and Tourism in Japan</i>	Model Development to Assess Corporate Financial Flood Risks under Climate Change
11:55-12:00	Group Photo			
12:00-13:00	Lunch	<i>At Foyer</i>		
13:00-14:10	Session 2	Real-time Flood Impact Assessment		
		Kei Yoshimura	<i>The University of Tokyo</i>	Introduction of Today's Earth
		Fitsum Woldemeskel	<i>Bureau of Meteorology</i>	Implementation of CaMa-Flood for seamless hydrological prediction across Australia: progress and challenges
		Yuki Kita	<i>Institute of Industrial Science, The University of Tokyo</i>	Flood risk reduction effect of levee in a global riverine inundation model
		Menaka REVEL	<i>Department of Civil Engineering, University of Waterloo/Institute of Industrial Science, The University of Tokyo</i>	CaMa-DA: Global Data Assimilation Framework for CaMa-Flood
14:15-15:10	Session 3	Benchmark & Calibration		
		Xudong Zhou	<i>Ningbo University</i>	Benchmark System of Global River Models
		Dung Trung VU	<i>Institute of Industrial Science, The University of Tokyo</i>	Improving the performance of flow simulations in mega river deltas by upgrading bifurcation computational scheme in global hydrodynamic model CaMa-Flood
		Nans ADDOR	<i>Fathom, UK</i>	Benchmarking of routing models over the US
15:10-15:30	Poster Flush Talk			
15:30-15:50	Coffee Break			
15:50-16:45	Session 4	Earth System Coupling		
		Zhongwang Wei	<i>Sun Yat-sen University</i>	Development of a Land-River Bidirectionally Coupled Land Surface Model Considering Re-infiltration and Re-evaporation Processes during Flooding
		Sonja Folwell	<i>UK Centre for Ecology and Hydrology</i>	Improved modelling of Sudd wetland extents in a CaMa-Flood land surface configuration.
		Muhammad Hasnain Aslam	<i>Department of Civil Engineering, The University of Tokyo</i>	Enhanced Dynamic Sediment Transport Model to Simulate Global Riverine Sediment Fluxes Incorporating the Impact of In-line Storage Systems
16:50-17:30	Session 5	Computational Efficiency		
		Dai Yamazaki	<i>The University of Tokyo</i>	Making CaMa-Flood faster for more complex applications
		Michel Wortmann	<i>ECMWF</i>	CaMa-Flood as part of the ECMWF Integrated Forecasting System
		Shengyu Kang	<i>Wuhan University</i>	A Computationally-efficient practice for global river hydrodynamic models
17:30-18:30	Poster	<i>At Foyer</i>		
18:45-20:45	Social Dinner	<i>At KOMANI café</i>	<i>(optional) fee: about 3000 yen per person</i>	

6-7 Saturday		
9:00-9:05	Day-2 Opening	
9:05-10:00	Session 6	Flood Risk Assessment [2] Ridwan Adebayo BELLO <i>Technical University of Dresden</i> Sujeet Desai <i>ICAR-Central Coastal Agricultural Research Institute, Goa, India</i> Prakat MODI <i>Shibaura Institute of Technology</i> Investigating Basin-Scale Flood Risk in Elbe Using the CaMa-Flood Model Flood susceptibility modelling in the west coast river basins of India using a global hydrodynamic model Impact of Sea Level Rise on Fluvial Flooding on Coastal Mega Cities
10:00-10:55	Session 7	Baseline Data Haoyu Jin <i>Sun Yat-sen University</i> Orie Sasaki <i>Tokyo Institute of Technology</i> Peirong Lin <i>Peking University</i> Spatiotemporal distribution and influencing factors analysis of extreme precipitation in different climate regions around the world Rver data integration Variations of river channel hydraulic geometry and its implications to global river modeling
11:10-12:20	Session 8	Flood Protection Modelling Gang Zhao <i>School of Environment and Society, Tokyo Institute of Technology</i> Mizuki FUNATO <i>Faculty of Engineering, The University of Tokyo</i> Faizal Immaddudin Wira Rohmat <i>Faculty of Civil and Environmental Engineering, Institut Teknologi Bandung, Indonesia</i> Youjiang SHEN <i>The University of Tokyo</i> The newly developed levee module in the CaMa-Flood model Development of a Modified Reservoir Operation Scheme for Improved Global Flood Modeling Optimizing Flood Control Reservoir Operations in the Citarum Watershed: A Reinforcement Learning Approach CaMa-Flood-Dam-Module
12:20-12:30	Closing	
13:00-17:00	Free discussion	(optional) <i>In Yamazalki Lab or somewhere outside</i>
Poster		
	Toby Marthews <i>UK Centre for Ecology & Hydrology</i>	Inundation in JULES-Camaflood and the CHAMFER project
	David Gustafsson <i>Swedish Meteorological and Hydrological Institute</i>	Combination of CaMa-Flood and HYPE hydrological model for simulation of Arctic rivers
	Shuping LI <i>Department of Civil Engineering</i>	Representing hillslope-scale land surface heterogeneity in land surface model substantially modulates water and energy budget
	Yang Hu <i>Institute of Industrial Science, The University of Tokyo</i>	A new perspective of assessing flood impact with daily nighttime light remote sensing data
	Riaz Muhammad Shiraz <i>The University of Tokyo</i>	Flood Zoning Map for Risk Mitigation in Pakistan
	Khan Kinza <i>Institute of Industrial Science, The University of Tokyo</i>	How Much Flood Impact Can Be Mitigated By Infrastructure (Case Study Pakistan Flood 2022)
	Dhruv Sehgal <i>Institute of Industrial Science, The University of Tokyo</i>	Understanding the Impact of River Sediment Outflow on Coastal Oceans
	YINGYING LIU <i>Institute of Industrial Science, The University of Tokyo</i>	Title Missing
	Swarup Dangar <i>Institute of Industrial Science, The University of Tokyo</i>	Improving CaMa flood model simulations with remote sensing