



SESSION DESCRIPTION FORM 2.

10TH WORLD WATER FORUM

This Session Description Form 2 is for the specified program of the session. Please complete this form no later than 28th of February 2024.

**The session description 1 (online form) is separately requested for the session coordinators to deliver a concise session outline with the contact info and the logistical requests.*

Session Code and Title:

T5CC1

Evidence-based financing for crises, recovery, and resilience

Session Coordinators (Name, Position, Organization, email, mobile number):

Daisuke Komori, Specially Appointed Professor, Green Goals Initiative, Tohoku University

468-1, Aoba, Aoba-ku, Sendai, Miyagi, 980-8572 JAPAN

+81-90-4457-4309

Session Description including objectives and expected outcomes (500 words maximum):

Based on the principles outlined in the Sendai Framework for Disaster Risk Reduction (SFDRR), the importance of pre-disaster investment in disaster risk reduction (DRR) has become increasingly highly recognized, but there are numerous challenges to its full-scale implementation. This session will convene panellists who will engage on this topic across subthemes, with an emphasis on framing the requirement for evidence-based financing for crises, recovery, resilience and DRR.

Policy- and decision-makers need hard facts on which to base investment policies and promote projects for disaster risk reduction (DRR) and climate change action (CCA). Promoting DRR investments requires understanding and assessment of disaster risks with certain accuracy with persuasiveness toward the decision-makers. In this regard, the role of science is paramount.

Disaster risk is always associated with the development in geographical places with high hazard exposure such as Asia and the Pacific in particular. In those areas, while population and assets are accumulating, the associated disaster risk is simultaneously increasing. The relationship between disaster risk and development is the same as the « head and tail of a coin ». We have to carefully look at the balance between the development benefit and the associated disaster risk. Cost-benefit analysis is widely used to examine the efficacy of projects, but estimating all the benefits is challenging.

Incorporating not only the economic factors but also the social aspects to take into account the total welfare is so important but not easy to define. Socio-economic perspectives should be taken into account in this regard such as poverty, environment and so forth.

Moreover, factors uplifting the uncertainty of disaster risks, such as climate change, rapid and haphazard urban development, and the diversification and irregularity of people's behaviours with enlarging socio-economic status gap and overflowing amount of delivered information are becoming increasingly significant. In addition to considering such constraints and uncertainties, resilience with redundancy and flexibility is also essential, requiring socio-economic considerations as well. And, DRR should have the driving control stake in urban development as well.

Risk-informed urban development strategy to guide the macro-level decision-making to avoid the future escalation of disaster risks based on natural conditions of lands such as topography, geology, and soil properties.

The perspective of actors involved in DRR investments is crucial. Particularly for water-related hazards like floods, tsunamis, and droughts, while private individuals and entities need to invest to protect themselves, given their cascading and compound impacts on society as a whole, government-led DRR measures are effective and indispensable. It's important to discuss how roles can be divided and complemented between the private sector and government.

Detailed Session plan :

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
	Moderator/ Session coordinator	Daisuke Komori Tohoku University	OK
0:00-0:15	Presentation 1	Riddhi Singh IIT Bombay	OK
0:15-0:30	Presentation 2	Takafumi Shinya ICHARM	OK
0:30-0:45	Presentation 3	Chien-Tat Low China Water Risk	OK
0:45-1:00	Presentation 4	Kozo Nagami Tohoku University	OK
1:05-1:20	Panel discussion	All speakers with Moderator	OK