

Introduction of ICHARM activities

Tetsuya IKEDA, PhD

Deputy Director (International Coordination)

ICHARM

**(International Centre for Water Hazard and Risk Management
under the auspices of UNESCO)**

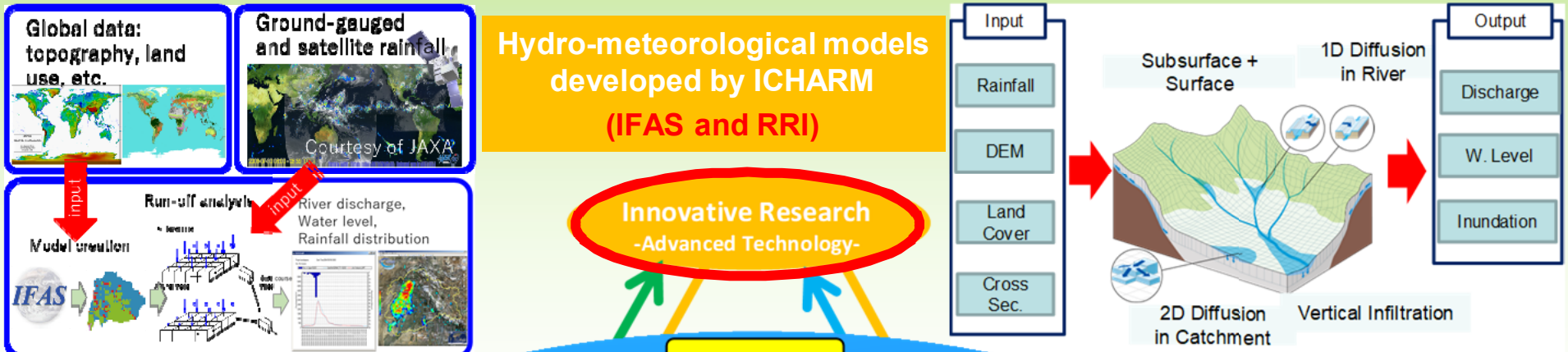
23 March 2022

**Session 3C2: “Develop experience sharing on water resources
management to address chronic water scarcity and water-related
disasters (including floods and droughts)”**

9th World Water Forum, Dakar, SENEGAL

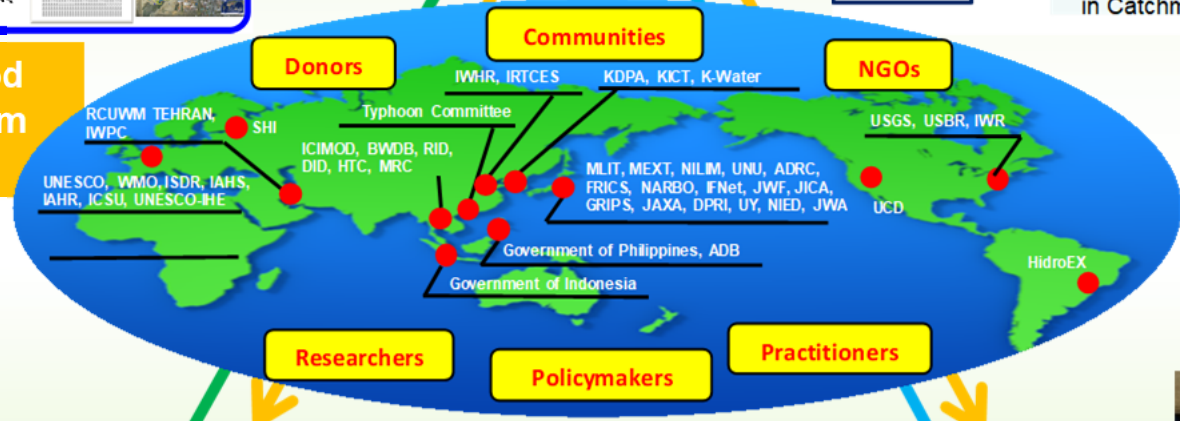


Three Pillars of ICHARM Activities



Integrated Flood Analysis System (IFAS)

Rainfall Runoff Inundation (RRI) model



Efficient Information Networking

Effective Capacity Building



- UNESCO-IHP
- International Flood Initiative (IFI)
- UN agencies (WMO, UNISDR....)
- Typhoon Committee
- Governments, NGOs, Academia etc.

- Short-term training
- Master Course
- Ph.D. Course
- Follow-up seminars
- Local training (IFAS, ADCP)



Hard work on the learning side & Enthusiasm on the teaching side



Online discussion with a supervisor



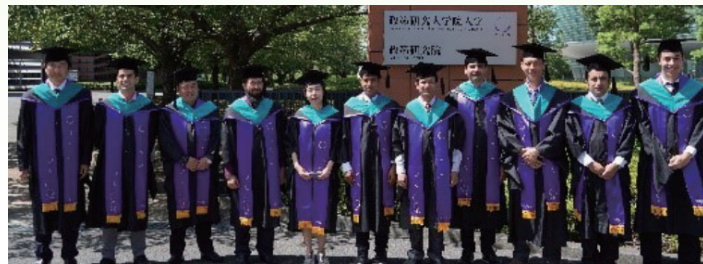
The 13th Closing Ceremony for JICA Knowledge Co-Creation Program on "Flood Disaster Risk Reduction"



Lecture using an electric whiteboard



Practicing social distancing



Students in a graduation gown at GRIPS



Hybrid hands-on training

Q: How do you feel about being caught in the COVID-19 pandemic during the training in Japan? And is there anything you have been doing to maintain your motivation to complete your master's thesis under this gloomy circumstance?

<Student A> I've been keeping myself busy with different tasks so that I can avoid thinking too much about the terrible conditions all over the world.

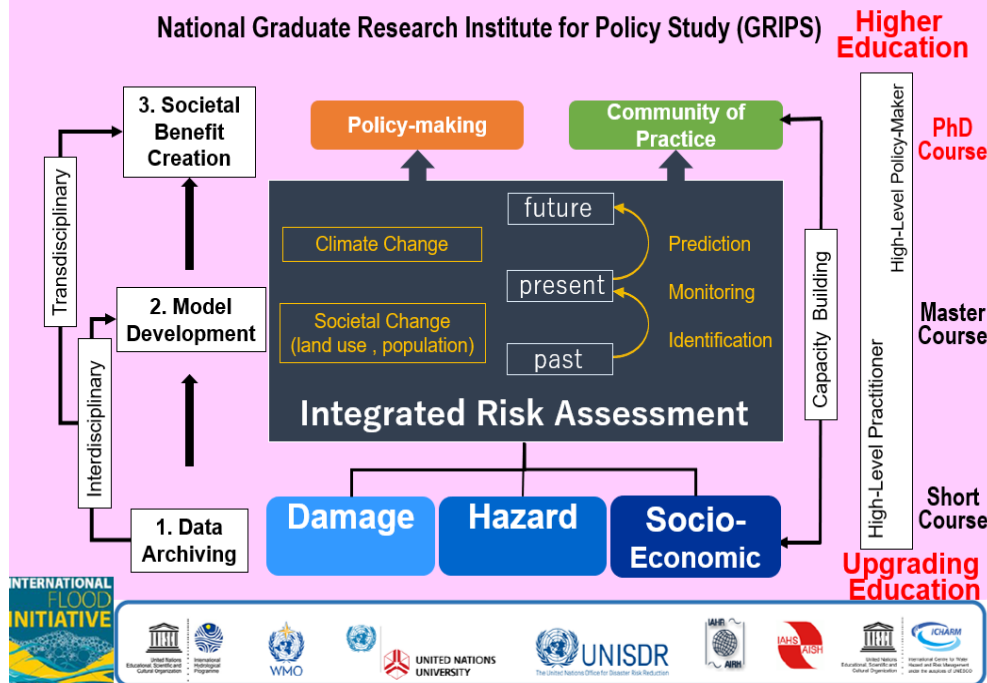
<Student B> COVID-19 has spread all over the world, so we have to tackle this situation by taking some precautionary measures, which I have been doing.

<Student C> I feel lucky because the COVID-19 situation in my country is far worse than in Japan, and here I don't have to practice as much confinement as my parents and colleagues do back home.

<Student D> I feel afraid of facing with COVID-19 because here in Japan, I have no family to take care of me. But on the other hand, Japan has better medical services than my country, and JICA and ICHARM have been taking really good care of us.



Platform on Water Resilience and Disasters



High Level Panel on Water (HLPW)

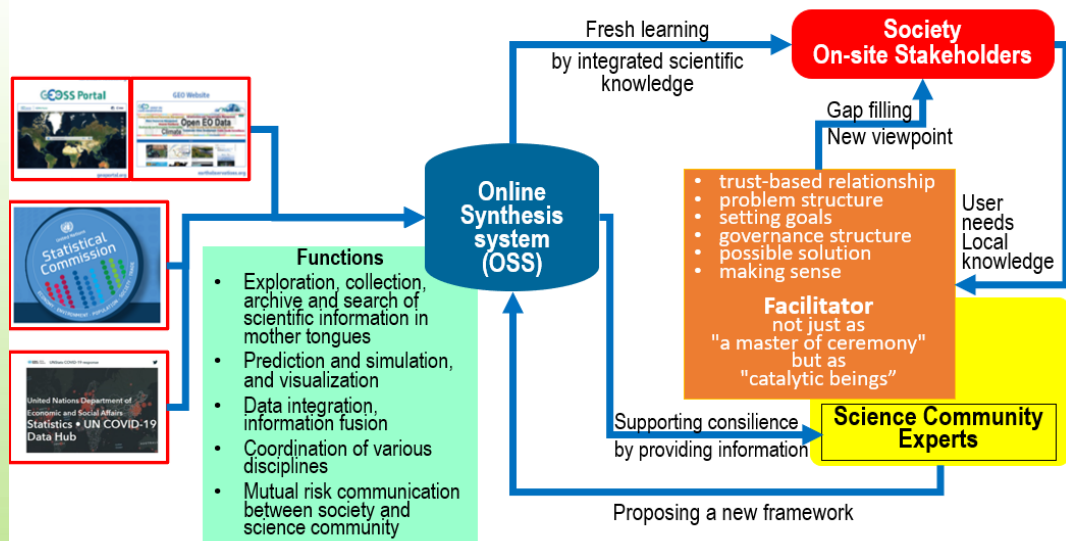
Special Advisor
Dr. Han Seung-soo
Former Prime Minister, Republic of Korea

Co-chairs
Enrique Peña Nieto, President, Mexico
Ameenah Gurib-Fakim, President, Mauritius

Co-convened by:
Antonio Guterres, UN Secretary-General
Jim Yong Kim, President World Bank Group

Kevin Rutte, Prime Minister Netherlands
János Ader, President Hungary
Emomali Rahmonov, President Tajikistan
Macky Sall, President, Senegal
Abdullah Ensour, Prime Minister Jordan
Sheikh Hasina, Prime Minister Bangladesh
Pedro Kuczynski, President Peru
Jacob Zuma, President South Africa
Malcolm Turnbull, PM Australia

Platforms on Water Resilience and Disasters
all stakeholders should be formulated in countries to facilitate dialogue and scale up community-based practices.



Implementation Strategy: OSS and Facilitators



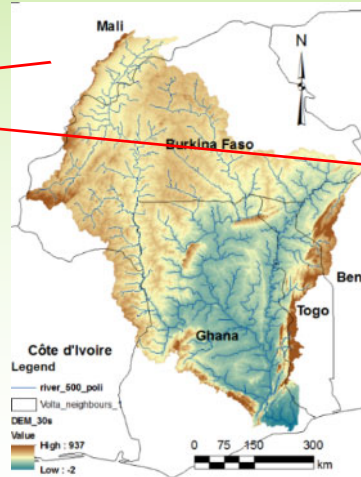
H.E. Dr. Basuki Hadimuljono, Minister, Public Works and Housing, Indonesia
Developing an "Online Synthesis System (OSS) and fostering "Facilitators" by making maximum use of e-Learning systems.

Water Disaster Platform to Enhance Climate Resilience in Africa (WaDiRe-Africa)

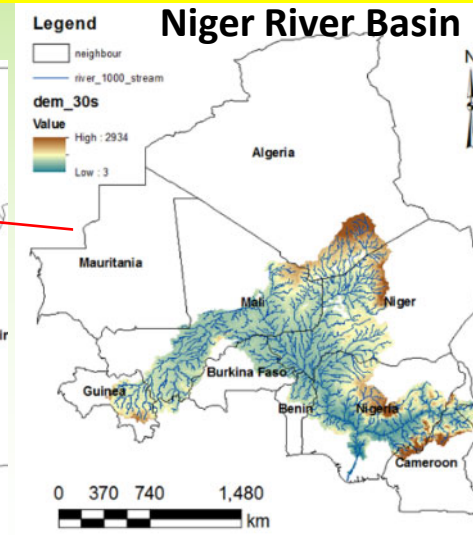
WaDiRe-Africa is a collaborative project with the UNESCO Intergovernmental Hydrological Programme (IHP), and the AGRrometeorology, HYdrology, METeorology (AGRHYMET), the Niger Basin Authority (NBA), the Volta Basin Authority (VBA), and the Ministry of Foreign Affairs of Japan.



Volta River Basin



Niger River Basin

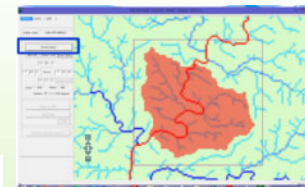


Kick-off Meeting in Lome, Togo, in June 2019

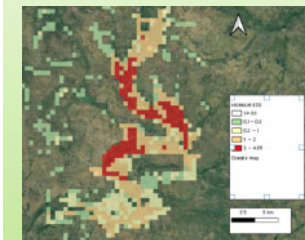


e-Learning Training Course

- 1. Training for Experts**
 - Lecture, Tutorials, Q&A Session
 - 288 participants, 197 certificated
- 2. Training for Trainers**
 - Lecture, Q&A Session
 - 44 participants, 30 certificated



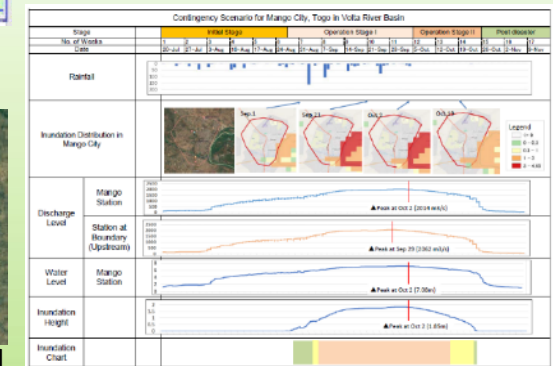
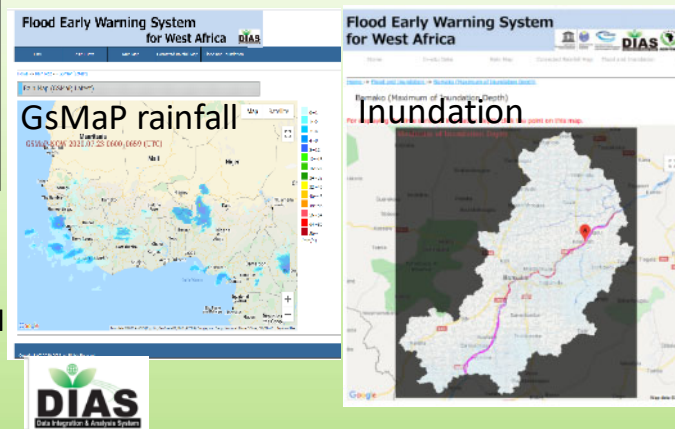
Tutorial of flood simulation



Tutorial of hazard mapping

Development of Flood Early Warning System for West Africa

Near real-time flood simulation by Water and Energy Budget Rainfall-Runoff-Inundation Model (WEB-RRIModel) on Data Integration and Analysis System (DIAS)



Tutorial of Contingency Planning

***Thank you very much
for your kind attentions***



URL: <http://www.icharm.pwri.go.jp/index.html>

E-mail: te-ikeda@pwri.go.jp

