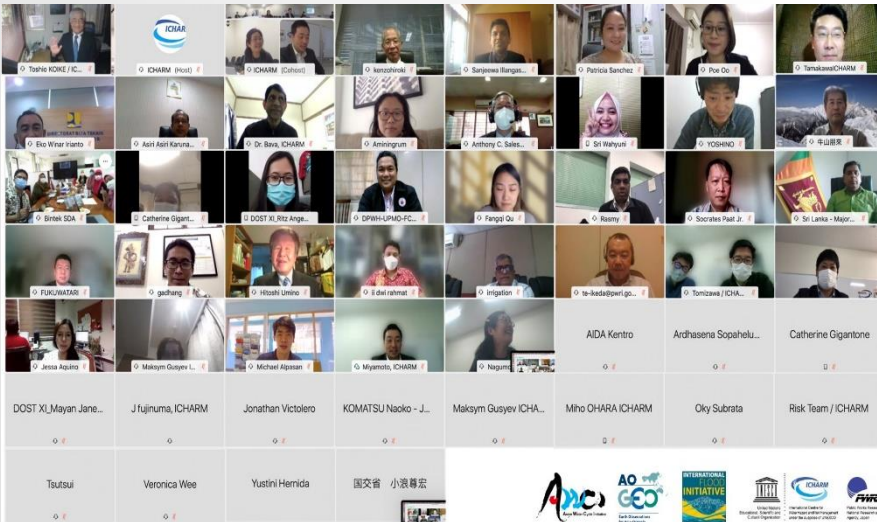


TG1 GEOSS ASIAN WATER CYCLE INITIATIVE (AWCI)

16:30-19:30, Friday, 26 Feb. 2021, Online

MC: Dr. Naoko Nagumo, ICHARM

1. Opening AWCI Session
2. New Framework
3. Country Reports
4. Discussion
5. Inputs into the Statement
Adjourn



60participants
from

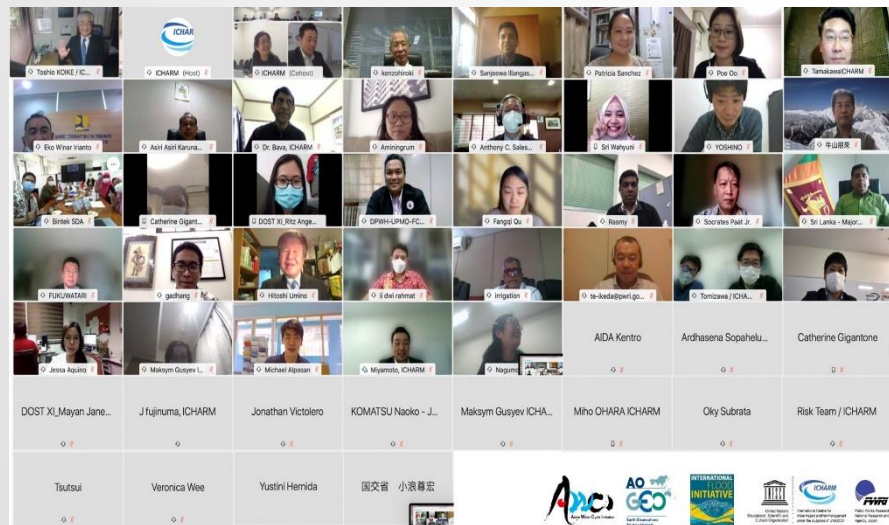
China, India, Indonesia, Japan,
the Philippines, Sri Lanka

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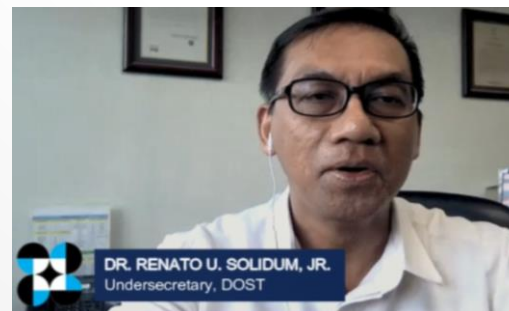
60 participants
from

China, India, Indonesia, Japan,
the Philippines, Sri Lanka



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.



Dr. Renato U. Solidum, Jr.
Undersecretary, Department of Science and Technology (DOST), Republic of Philippines

Challenges adapting to climate change and importance of two policy documents, one from Science Council of Japan and the other from River Council of Japan..

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Prof. Kenzo Hiroki
GRIPS

- Culture on Water and Disasters as foundation of integrated DRR governance.
- Let us learn from history and heritage to save the people and society.
- Our culture is the foundation of our actions.



Dr. Mamoru Miyamoto
ICHARM



The 11th GEOSS Asia-Pacific Symposium, Kyoto, Oct. 2018

- launches full-scale efforts to activate Platforms
- accelerates regional coordination to build capacity
- provides usable and actionable information on thematic activities



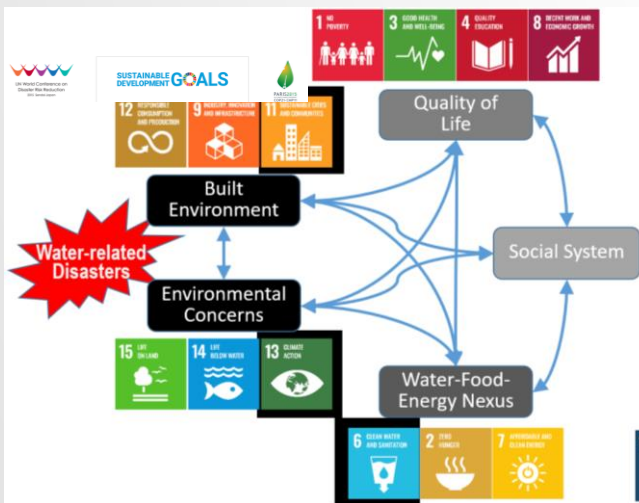
The 12th GEOSS Asia-Pacific Symposium, Canberra, Nov. 2019

- Concerted actions for the three global key agendas.
- Successful implementation of “International Decade (2018-2028) for Action -Water for Sustainable Development”

TG1 GEOSS ASIAN WATER CYCLE INITIATIVE (AWCI)

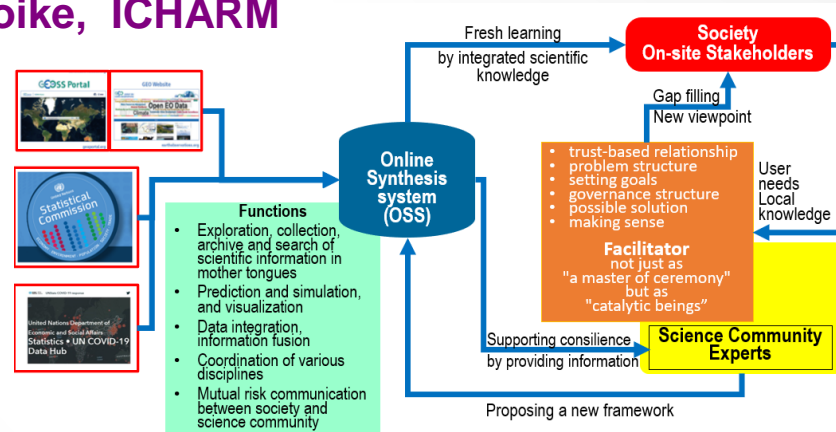
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Prof. Toshio Koike, ICHARM

Interlinkage among the three global agendas, Sendai, SDGs and Paris



Implementation Strategy: OSS and Facilitators

Ms. Poe Oo, ADBI

Key Messages from ADBI-ICHARM Policy Brief



ADBI-ICHARM Policy Dialogue, Tokyo, Jan. 2020

- Effective DRM requires scaling efforts to leverage water hazard data as much as possible.
- Human capacity development by adequately addressing the local knowledge and wisdom is a necessity for future policy frameworks.
- Effective governance is one of the most essential elements of an overall DRM strategy.
- To design disaster risk mitigation infrastructure projects that serves multiple functional requirements simultaneously

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Maj. Gen (Retd.) Sudantha Ranasinghe, DG, DMC

Comments, & Recommendation on OSS

- Flood Risk Mapping
- Flood Early Warning
- Climate change adaptation planning
- Economic damage assessment
- Contingency planning
- Capacity building for facilitators/stakeholders

Organizational strategy/plan for implementing OSS

- Incorporate OSS to the institutional Strategy
- Capacity enhancement
- Technical Infrastructure development
- Mainstreaming within the DM Ministry
- Connect and expand with other National Agencies

Eng.(Dr.) Asiri Karunawardena, DG, NBRO

Implementation of Online Synthesis System (OSS) for landslide Risk Reduction

- Soil moisture and Precipitation Thresholds for Real-time Landslide Prediction
- Development of cost benefit analysis for planning of mitigation work
- Damage assessment tool for landslide damage
- Contingency plans for reduction of landslide impact and post disaster recovery
- Capacity Building in landslide monitoring, landslide risk management, contingency planning, cost benefit analysis.

Dr. Athula Karunanayake, DG, DoM

Gaps and Challenges → Provide more USER oriented services to support economy of the country

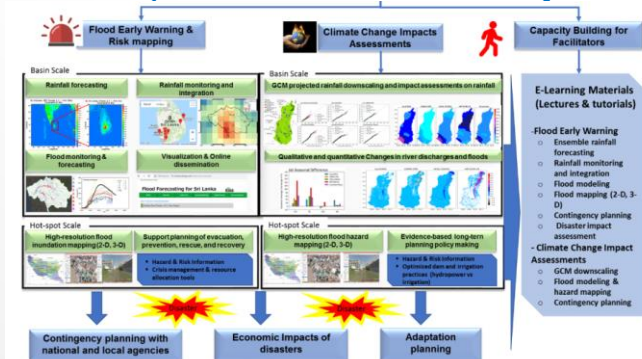


Eng. K.D.Nihal Siriwardana, DG, ID

Comments and feedback for proposed Online Synthetic System (OSS)

- Present real time rainfall forecasting system of DIAS for Sri Lanka is very useful and propose to improve further.
- Include Stakeholder Forum into OSS
- Introduce seasonal rainfall forecasting system in DIAS.
- Improve Kalu River flood forecasting system and apply to Mahaweli Basins.
- Introduce an Online Training Modules

Eng. S.P.B Illangasingha DD, Mahaweli Authority



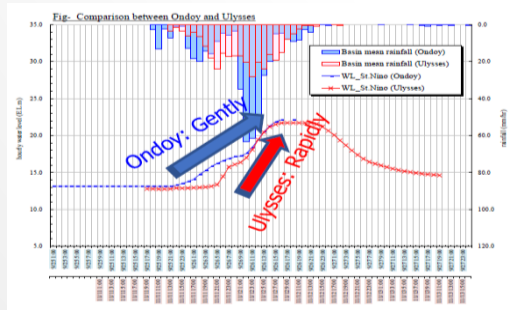
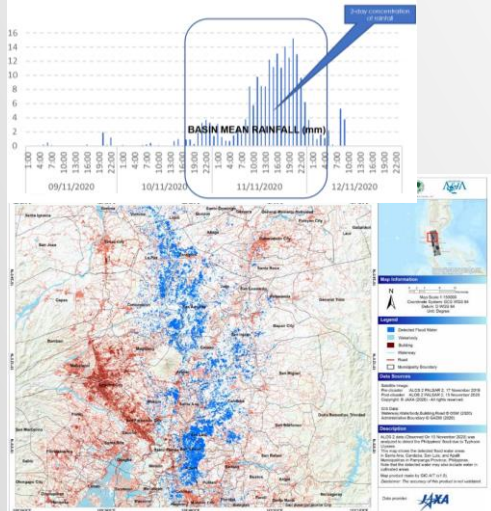
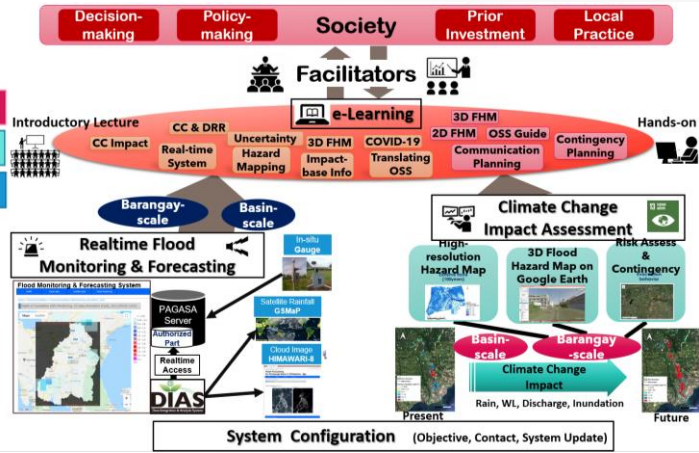
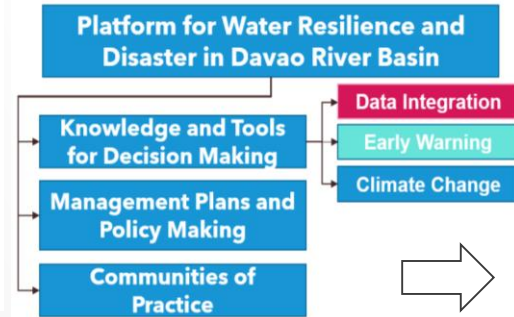
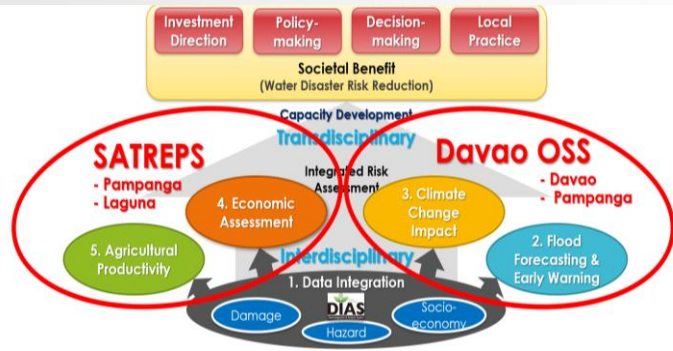
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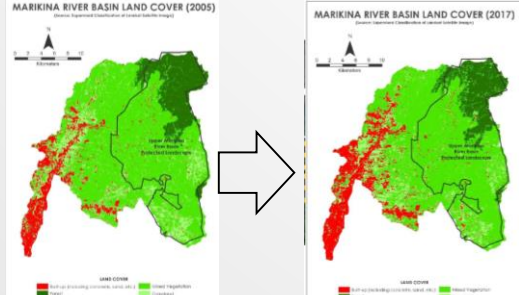
Dr. Mamoru Miyamoto, ICHARM

Dr. Anthony C. Sales, CESO III
Regional Director, DOST XI, Secretary, HELP Davao Network

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Why the water level rapidly increased in Typhoon Ulysses?



Flood disaster monitoring Apps in Google Earth Engine for Typhoon Ulysses in November, 2020			
BASIN	APP-1: Flood monitoring using Sentinel-2 optical image	APP-2: Flood monitoring using Sentinel-1 SAR	APP-3: Flood Mapping and Damage Assessment
Cagayan			
Pampanga			
Pasig-Marikina-Laguna			

Mr. Socrates Paat, Jr., PAGASA

Prof. Patricia Ann J. Sanchez, UPLB



Engr. Jerry A. Fano, DPWH



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The Asian Water Cycle Initiative (AWCI) (Task Group 1) has agreed to **take concerted action regarding the three global agendas adopted in 2015, i.e., the Sendai Framework, the SDGs and the Paris Agreement, responding to water-related disasters intensified by an increasingly warmer climate**, which are among the most critical hindrances to sustainable development.

Considering that much remains to be learned as to **how water-related disasters under climate change hamper economic and social development and how, in quantitative terms, disaster resilience can contribute to maintaining sustainable development**, AWCI concluded that each Platform should develop an **"Online Synthesis System (OSS)"** as its knowledge base and **foster "Facilitators"** as trustable human resources by making effective use of e-Learning.

7. 2030 Agenda for Sustainable Development
8. Paris Agreement within the UNFCCC
9. Sendai Framework for DRR
11. Capacity building
12. Data and Knowledge