



Dec.9, 2020

United Nations
Educational, Scientific and
Cultural Organization

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

Public Works Research Institute,
National Research and Development
Agency, Japan

Outline of ICHARM

International Centre for Water Hazard and Risk Management
(ICHARM) under the auspices of UNESCO,
Public Works Research Institute (PWRI), Japan



ITO Hiroyuki
Deputy Director of ICHARM

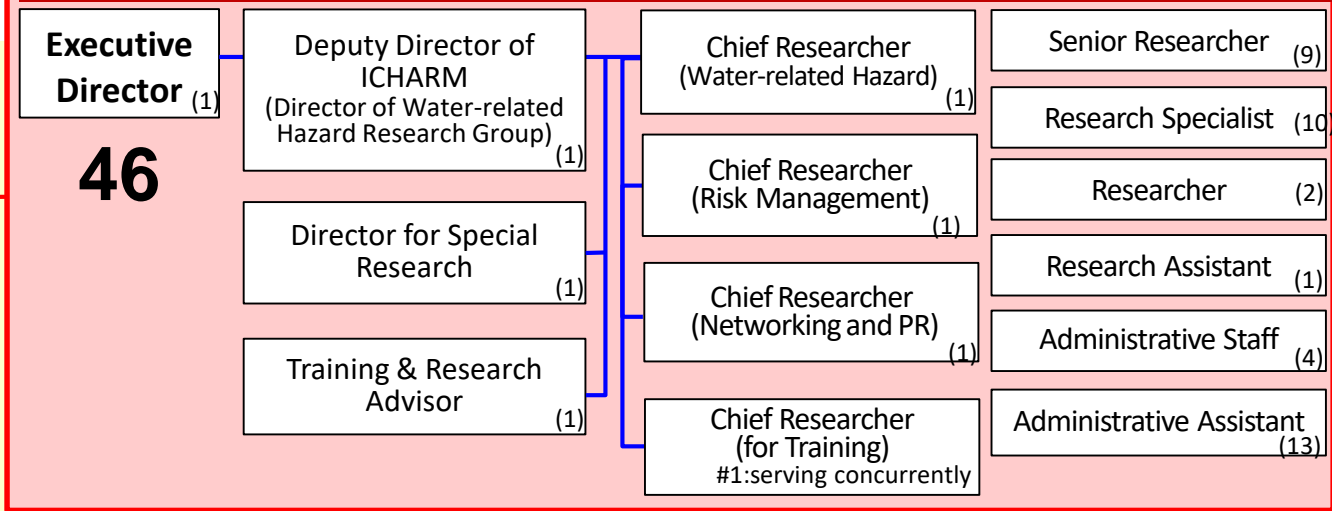


Organization & Budget

Public Works Research Institute (PWRI)



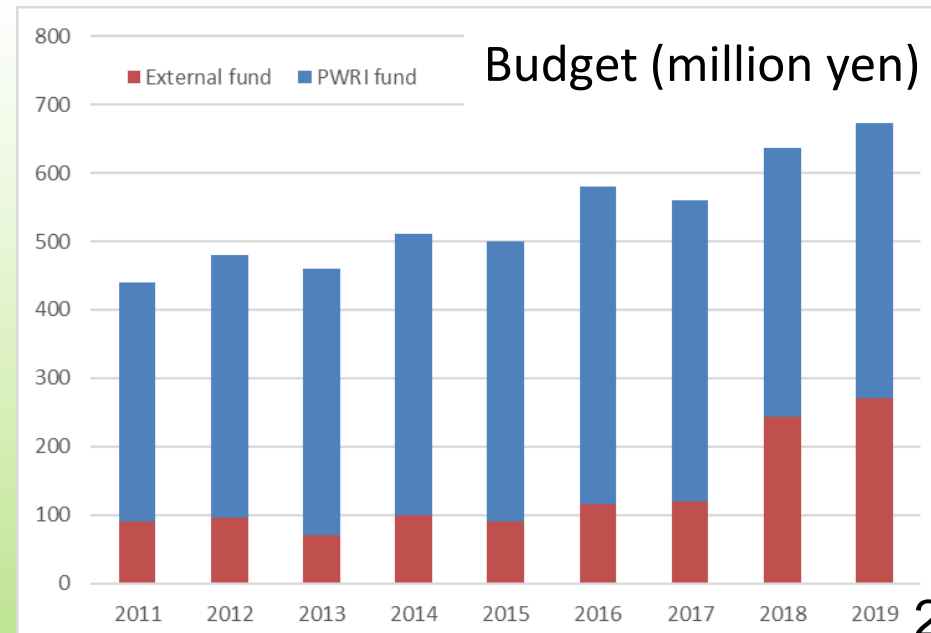
International Centre for Water Hazard and Risk Management (ICHARM) officially established March 2006



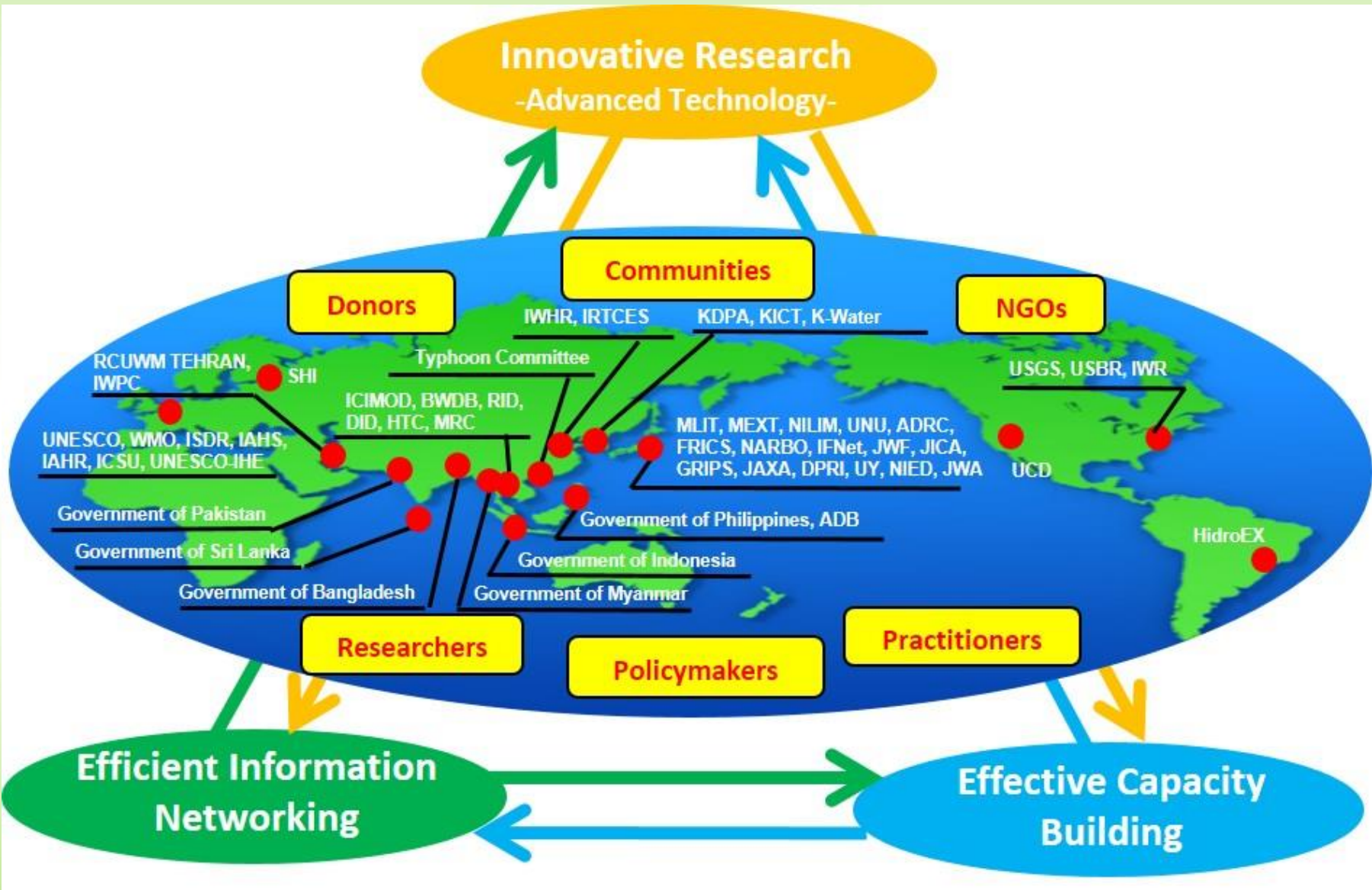
ICHARM was established on **March 6, 2006** as a UNESCO category II center and a part of the Public Works Research Institute of Japan.



- (ICHARM Director)
- 1st (March 2006-September 2014): Emeritus Professor Kuniyoshi Takeuchi, Yamanashi University [Photo: Left]
 - 2nd (October 2014-): Professor Toshio Koike, Tokyo University [Photo: Right]



Three Pillars of ICHARM Activities

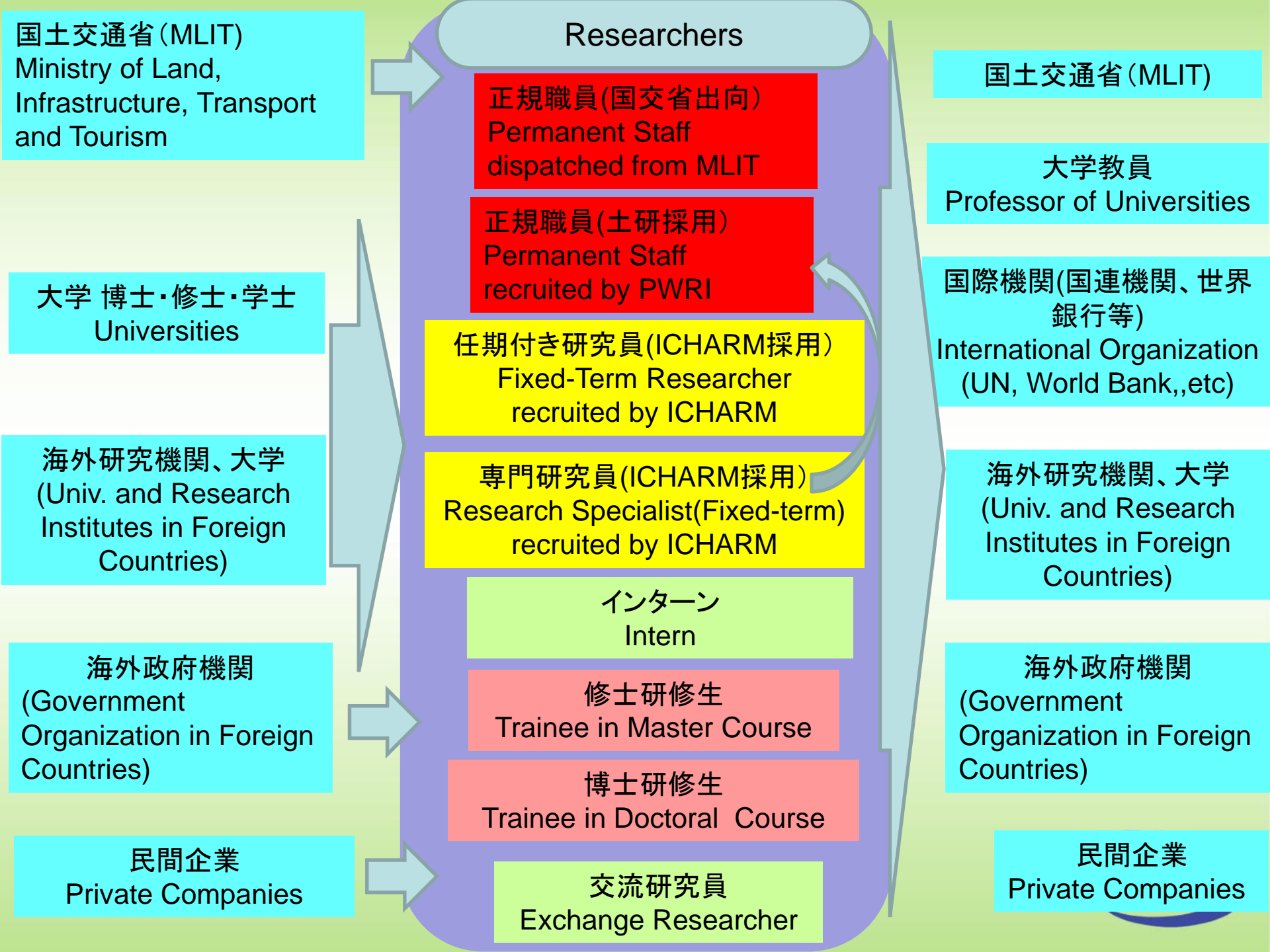


Development of technology to support risk management for water-related disasters occurring more frequently and severely in Japan and overseas(2017 - 2022)

- ①Development of technologies and models for improving accuracy of flood forecasting and long-term water balance analysis.
- ②Development of technologies for analyzing water disaster hazards in various natural and local conditions, methods for water-related disaster risk assessment using highly accurate, advanced estimation approaches, and indicators for evaluating the effectiveness of disaster prevention measures.
- ③Development of methods for producing, utilizing and communicating useful information on disaster prevention and disaster status to assist efforts in disaster prevention and mitigation.

Research Team





Employment Information (Tsukuba)

<https://www.pwri.go.jp/jpn/employ/saiyou/index.html>
(in Japanese)

<https://www.pwri.go.jp/eng/employ/employ/index.html>
(in English)

Guiding Goal towards 2030: **Inclusive** and Knowledge-based Society

Trust and Accountable
Data and Information

Trust and Accountable
Community and Personality

Training
Annual schedule of the 2019-2020 course
1. Start date: 1st October 2019
2. End date: 31st March 2020
3. Duration: 6 months
4. Mode: Full-time
5. Location: Sri Lanka
6. Language: English
7. Fee: 100,000 LKR
8. Scholarship: Available
9. Contact: +94 11 2511 1111
10. Website: www.sri.lanka.gov.lk

Objective:

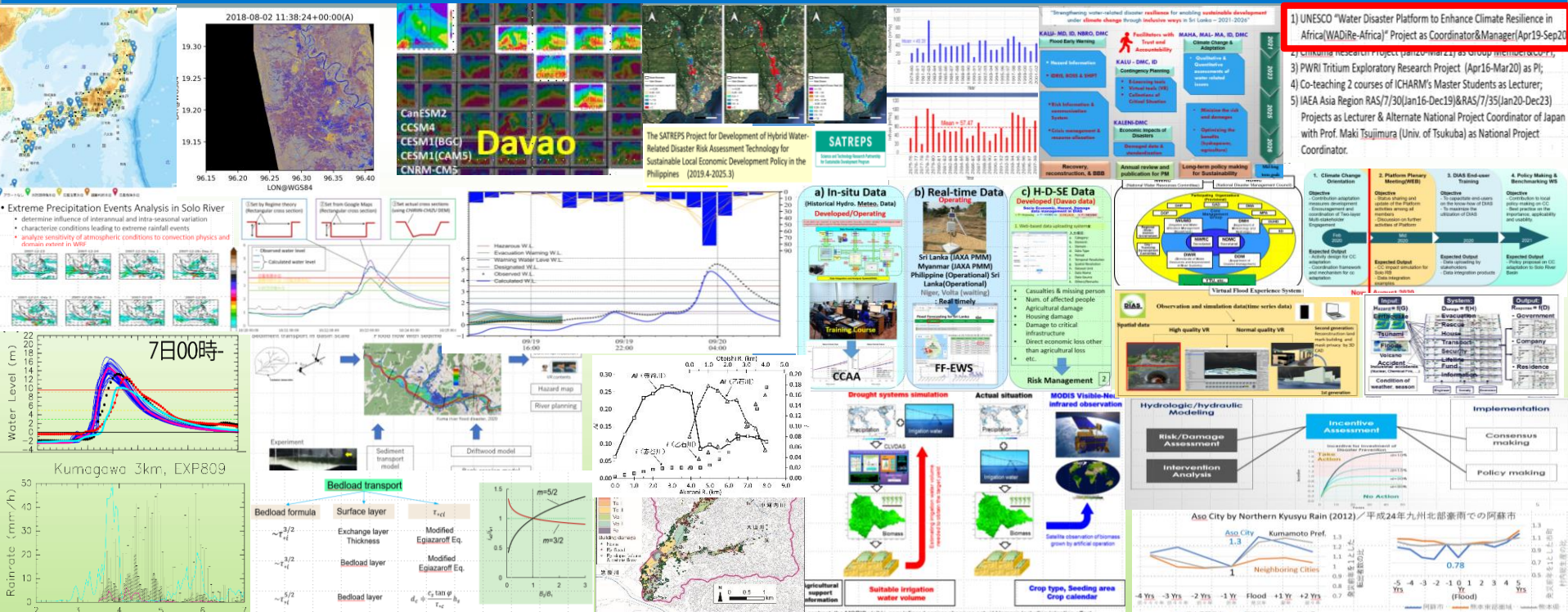
Strengthening water-related disaster resilience and enabling sustainable development under climate change

Highly reliable simulation technology for expressing and predicting various water-related disaster.

Modeling, risk assessment and river channel design regarding flood and inundation phenomena in mountainous rivers involving sediment, driftwood, and channel change.

Risk communication tools for sharing multifaceted and integrated water-related disaster risk information considering social and economic systems.

Water disaster prevention facilitators capable of leading the solution of water-related problems on site.



To design and implement researches and maximize their effects based on the back-cast from 2030.

Thank you for your attention.

If you want to know us more , please see
<https://www.pwri.go.jp/icharm/>

PWRI and Mt. Tsukuba

