

# Asian Water Cycle Initiative (TG1)Report

Rick Lawford based on inputs from AWCI members

Co-chaired by: Prof. Toshio Koike  
Prof. Srikanth Herath  
Richard Lawford

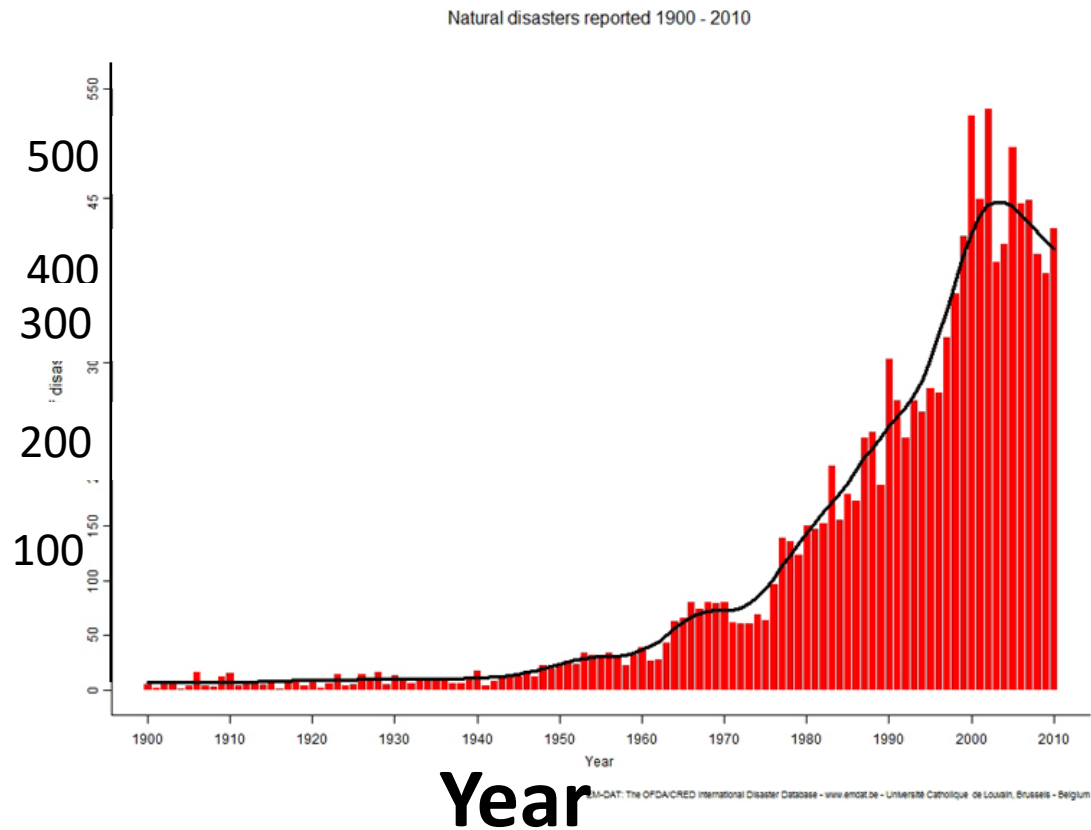
Based on:

- Approximately 45 presentations
- Inputs and views of > 65 participants

Dignitaries presenting: Hon. Minister, Palitha Range Bandara, Ministry of Irrigation and Water Resources & Disaster Management, Sri Lanka

AWCI has been developing capabilities for water-related disasters and other water problems in SE Asia

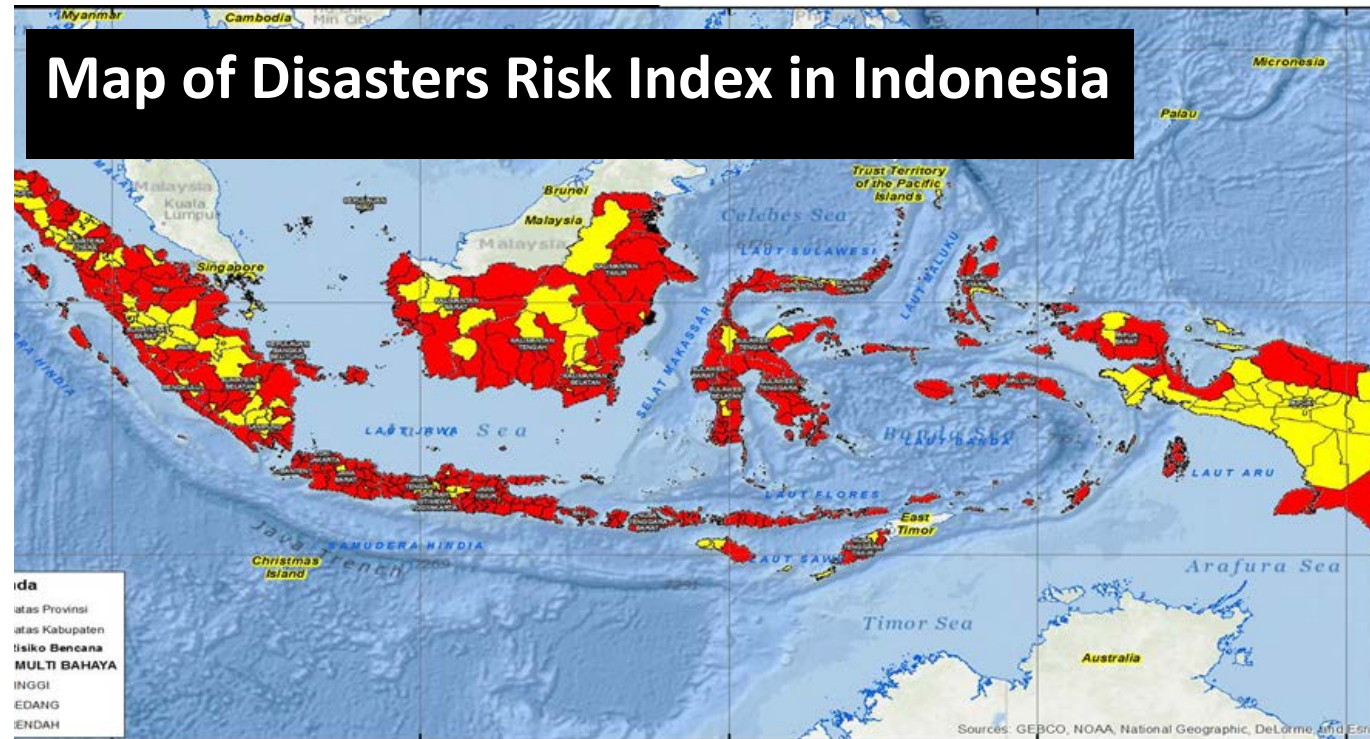
## Number of reported natural disasters(1900-2010)



**(Kenzo Hiroki)**

Source: ISDR “EM-DAT”

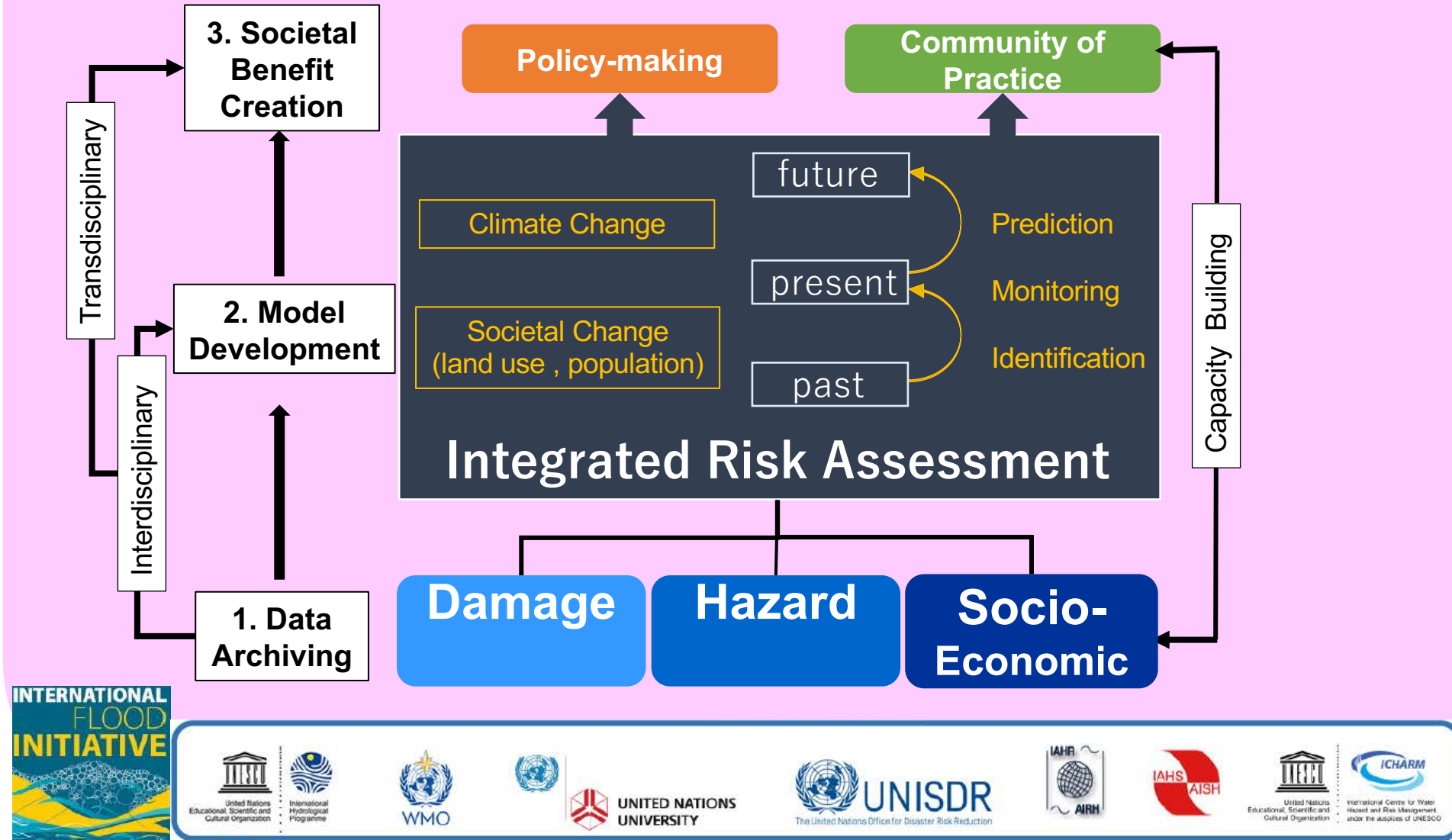
## Scope of the Problem



Source:BNPB

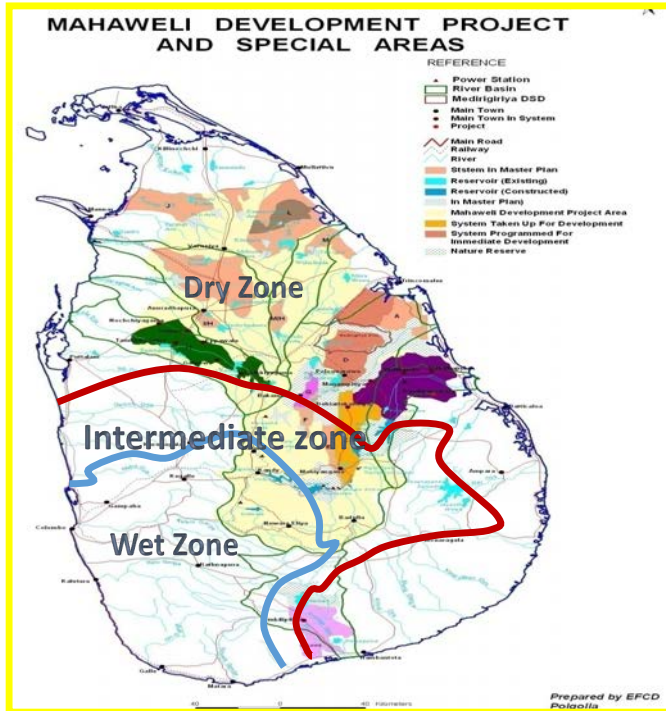
# AWCI Platform on Water Resilience and Disasters

It involves data, models, tools, stakeholder engagement, project design, policy linkages and communities of practice (after T. Koike).





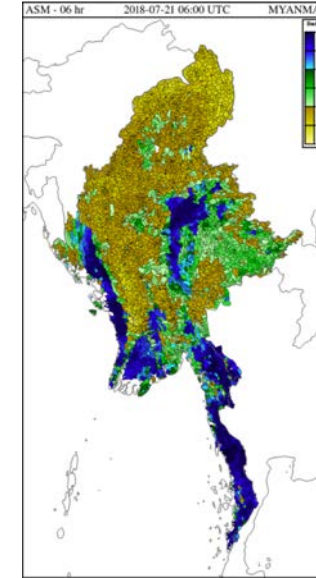
# Four SE Asia countries are critically involved in implementation of AWCI with others being developed.



**Sri Lanka: Multi-purpose, integrated rural development programme (40% of the island)**  
(Sarath Chandrasiri Vithana)

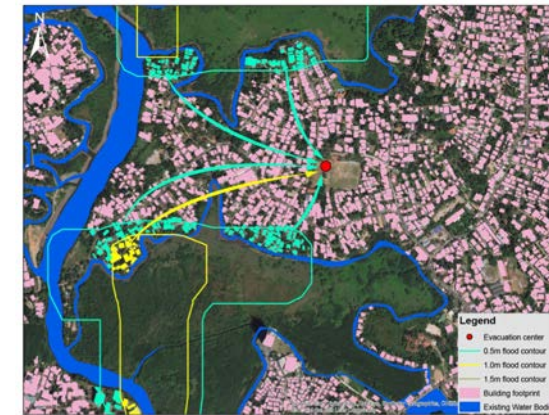


**Phillipines, Davao City:**  
“Be Climate Smart NOW”  
Enhancing Resilience to Disasters and Climate Change through Sustainable Technologies and Practices. (Anthony Sales)



**Myanmar: Flash Flood**  
**Guidance(FFG):** The amount of actual rainfall of a given duration over a small basin required to generate flooding flows at the outlet of the basin.  
(Ms Htay Htay Than)

Manage flood control facilities to minimize societal and economic impacts



## **Sustainable Development Goals for 2030**

It is critical to end poverty and hunger, achieve gender equity, and make societies and economies resilient to water-related disasters in both urban and rural areas. **AWCI launches full-scale efforts to activate Platforms on Water Resilience and Disasters by promoting dialogues, reinforcing partnerships, sharing data, information, models, tools, experiences and ideas, and expanding sustainable practices.**

AWCI promotes initiatives that will address targets in Goal 6 on Water use efficiency and Integrated Water Resources Management as well as SDGs related to Poverty (1), Food Security (2) and Life on Land (11).

## **Paris Climate Agreement**

**AWCI accelerates regional coordination to build capacity** for identifying, monitoring and predicting the changing probability of water-related disasters and their associated risks, develop and share user-friendly analysis tools, and engage all stakeholders in climate change adaptation planning and implementation at the national scale and fill the gap between adaptation and mitigation by choosing adaptation options that are beneficial to mitigation.

## **Sendai Framework for Disaster Risk Development**

AWCI facilitates the implementation of Platforms on Water Resilience and Disasters to promote the four priorities for action in the Sendai Framework. **AWCI provides usable and actionable information on thematic activities including preparedness and mitigation at each step of water-related disaster management.** AWCI also archives disaster damage data and maintains statistics for encouraging investments for water-related disaster risk reduction.

# **Contributions and Potential Contributions to Major Global Policy Frameworks**

**For SDGs:**

**Timing: Current (C) or Aspirational (A)**

**Application: Directly addresses SDG indicators (D) or enables countries to achieve the Goal (I)**

SDGs	GEO Priorities	Cross-Cutting Areas	TG1	Class.
	1.NO POVERTY		3	A,I
	2.ZERO HUNGER		3	A,I
	3. GOOD HEALTH AND WELL-BEING		1	A,I
	4.QUALITY EDUCATION		1	A,I
	5.GENDER EQUALITY		2	A,I
	6.CLEAN WATER AND SANITATION		3	C,D
	7.AFFORDABLE AND CLEAN ENERGY		2	C,I
	8.DECENT WORK AND ECONOMIC GROWTH		1	A,I
	9.INDUSTRY, INNOVATION AND INFRASTRUCTURE		2	C,I
	10.REDUCED INEQUALITIES		1	A,I
	11.SUSTAINABLE CITIES AND COMMUNITIES		3	C,I
	12.RESPONSIBLE CONSUMPTION AND PRODUCTION		1	A,I
	13.CLIMATE ACTION		3	C,I
	14.LIFE BELOW WATER		2	A,I
	15.LIFE ON LAND		3	C, I
	16.PEACE, JUSTICE AND STRONG INSTITUTIONS		1	A, I
	17.PARTNERSHIP FOR THE GOALS		3	C,I

GEO Priorities		Cross-Cutting Areas	TG1	Class.
Paris Agreement	Adaptation		3	C
	Loss & Damage		3	C
	Capacity Development/Technology Tra+B9		3	C
	National Reporting/Global Stocktake		0	
	Mitigation		2	A
Sendai Framework	Understanding disaster risk		3	C
	Strengthening disaster risk governance to manage disaster risk		3	C
	Investing in disaster risk reduction for resilience		3	C
	Enhancing disaster preparedness for effective response, and to “Build Back Better” in recovery, rehabilitation and reconstruction		3	C
		Data Sharing Infrastructure	3	C
		User Engagement and	3	C
		Total:		64