Disaster Risk Reduction and Water: "Time for Action"

October 6th, 2015

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High Level Experts and Leaders Panel on
Water and Disasters

Glimpse of a water-related disaster, March 11th, 2011

Viewed from Kamaishi City Hall

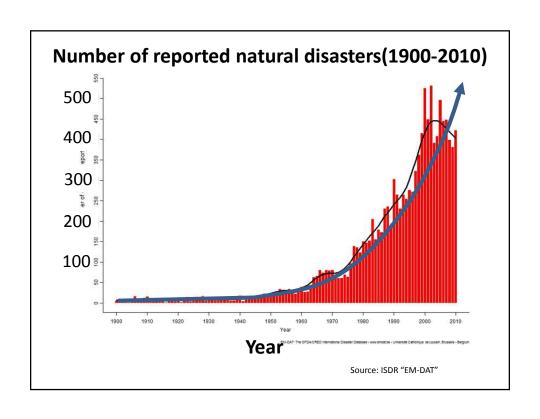
Why Water and Disasters?

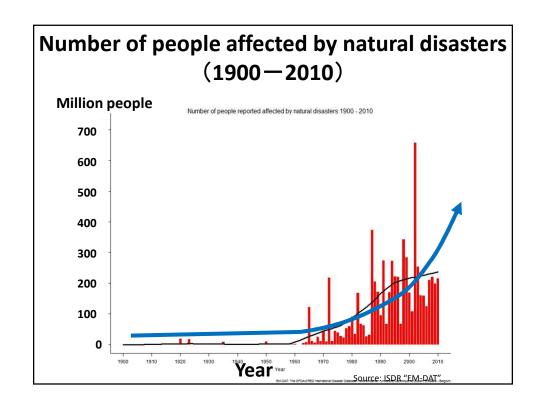
Why "Water and Disasters"?

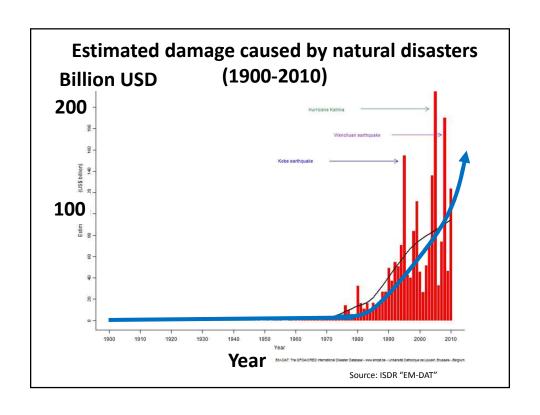
- 1. Disasters are increasing in numbers and impacts, crippling sustainable development
- 2. 95% of natural disasters in the world are water related (number of affected people)
- 3. Water related disasters can occur anywhere
- 4. "Water and disasters" are poverty issue
- 5. Climate change will negatively impact status of water and disasters
- 6. Governments are getting more concerned about "water and disasters"

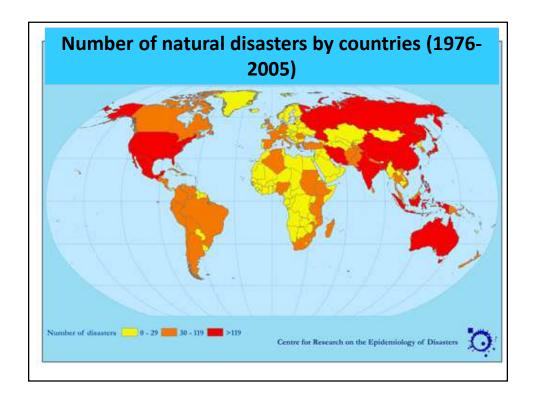
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Disasters are increasing in numbers and impacts

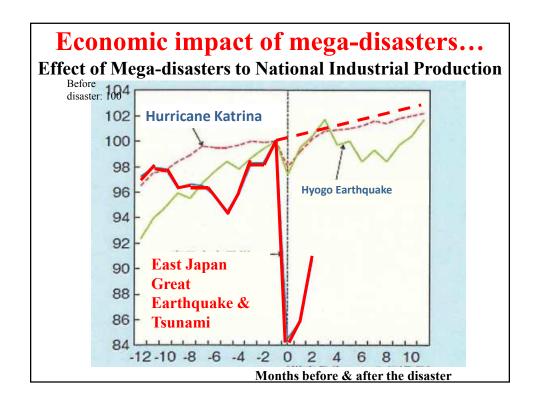


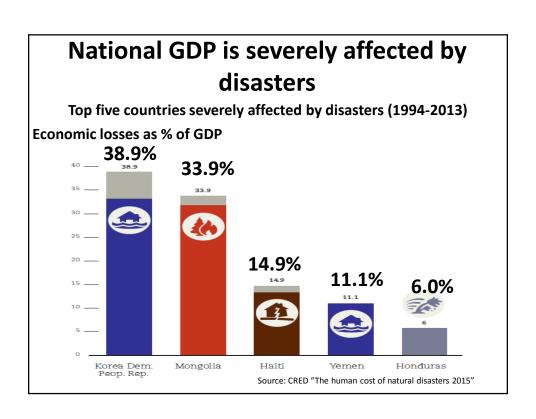




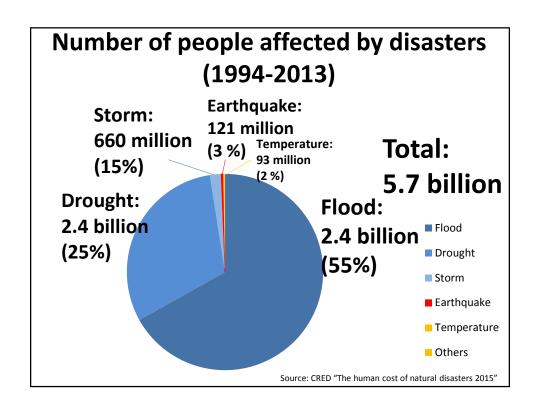


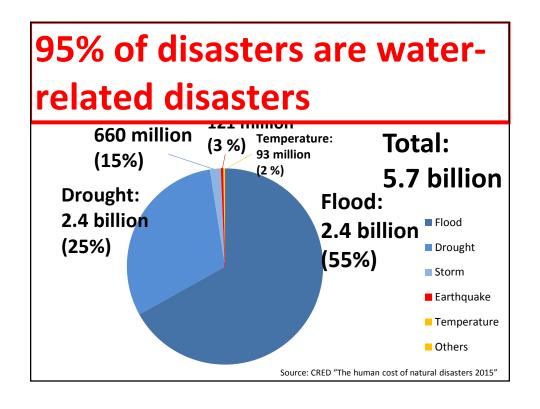
Disasters will negatively impact sustainable development of countries

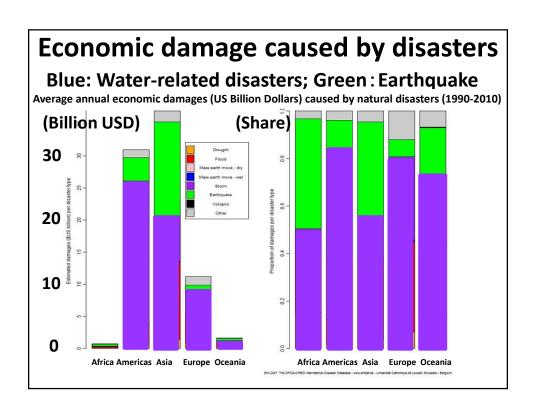


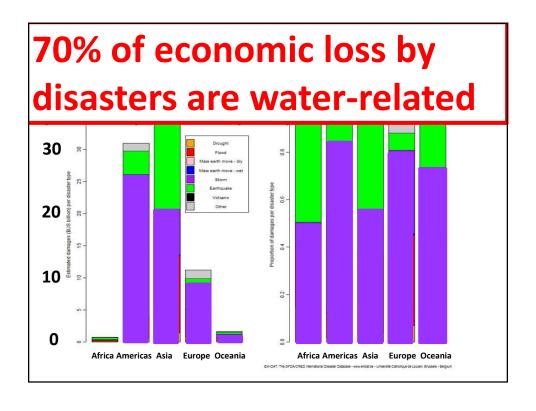


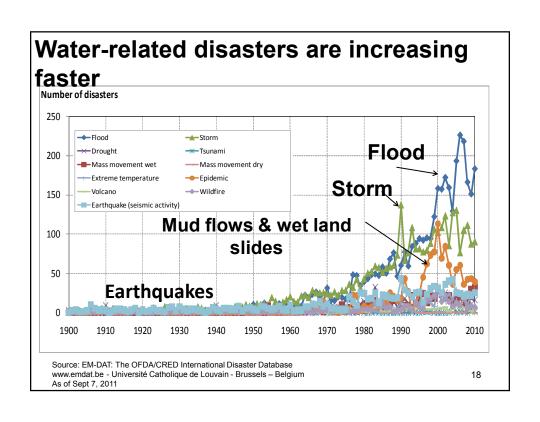
"Water and disaster" is everybody's business

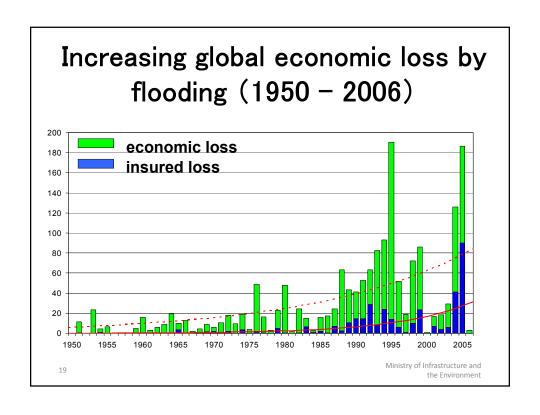


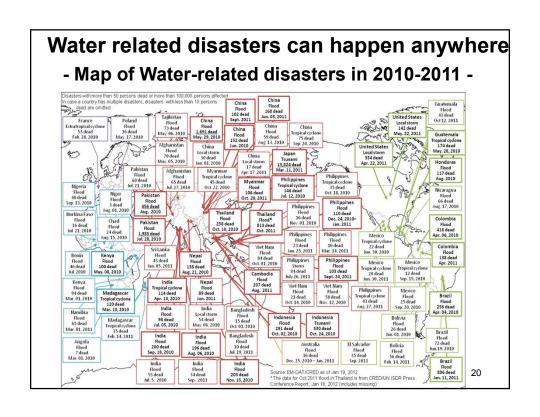




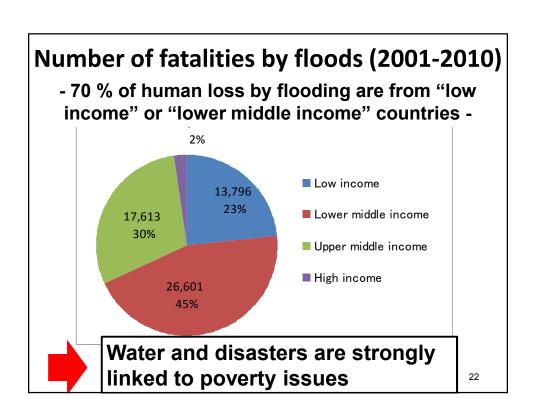


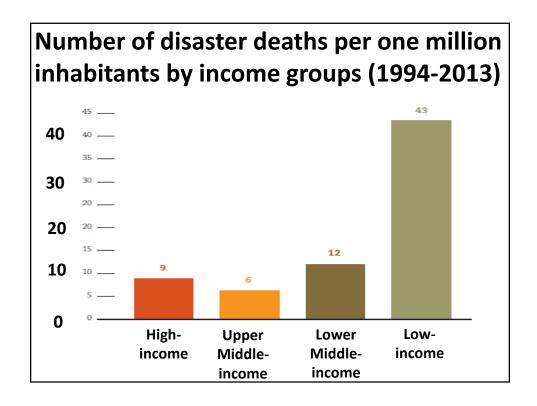






"Water and Disasters" is strongly linked to poverty issue

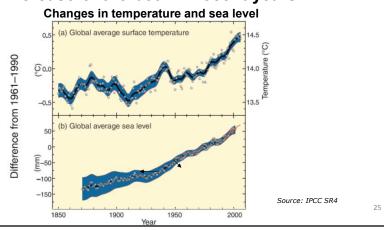




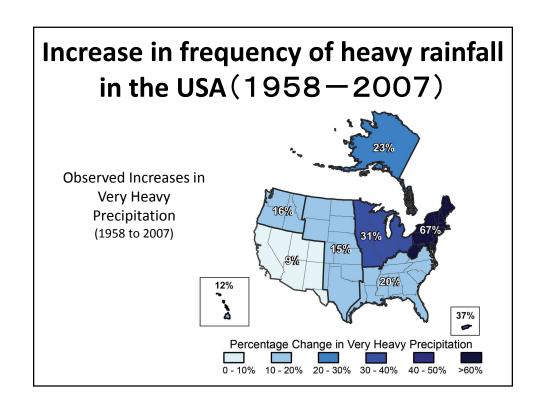
Impacts of Climate Change

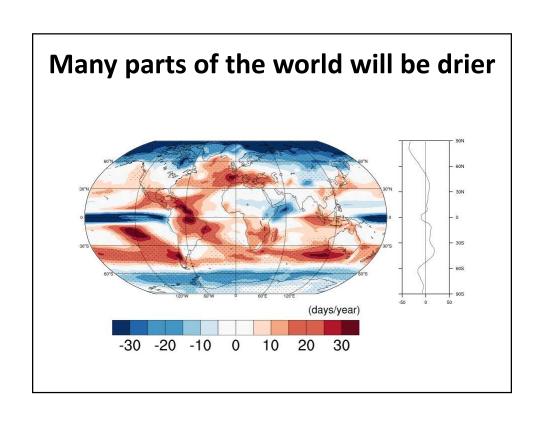
Rising temperature & sea level

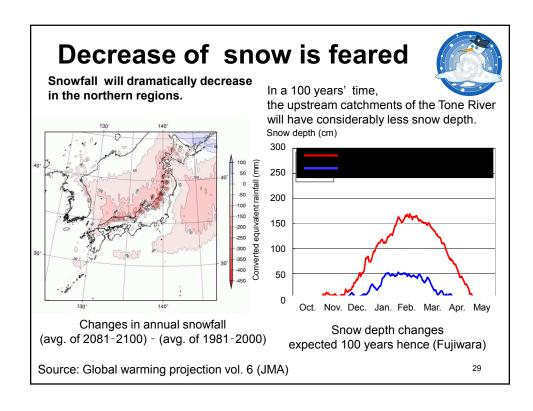
- ✓ Global average surface temperature rises 0.74 degrees celsius/100yrs
- √Global average sea level rises 17cm/100yrs
- √ Faster increase of the both in recent years



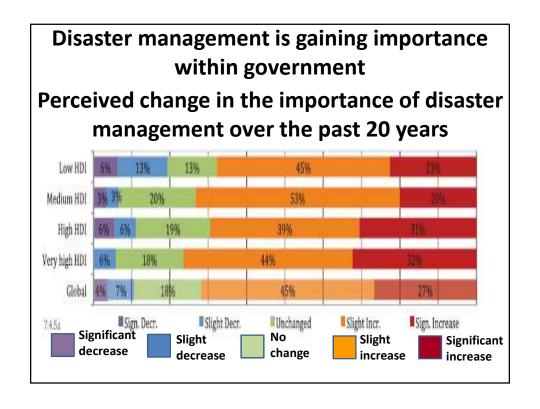
Projected impacts by climate change by sector				
Phenomenon and direction of trend	Agriculture, forestry and ecosystems	Water resources	Human health	Industry, settlements and society
Warmer and more frequent hot days & nights (Certain)	Decreased yields in warmer environments	Effects on water resources relying on snow melt	Reduced human mortality	Declining air quality
Warm spells / heat waves (Very likely)	Reduced yields in warmer regions	Increased water demand; water quality problems	Increased risk of heat-related mortality	Reduction in quality of life; impacts on elderly, very young & poor
Heavy precipitation events (Very likely)	Damage to crops; soil erosion	Contamination of water supply	Infectious respiratory & skin disease	Disruption of societies due to flooding
Area affected by drought increases (Likely)	Land degradation, lower yields	More widespread water stress	Increased risk of water-borne diseases	Water shortages; reduced hydropower
Intense tropical cyclone activity increases (Likely)	Damage to crops	Disruption of public water supply	Increased risk of water-borne diseases	Disruption by flood; potential for migrations
Increased incidence of extreme high sea level (Likely)	Salinisation of irrigation	Decreased freshwater availability	Increased risk of water-borne diseases	Costs coastal protection

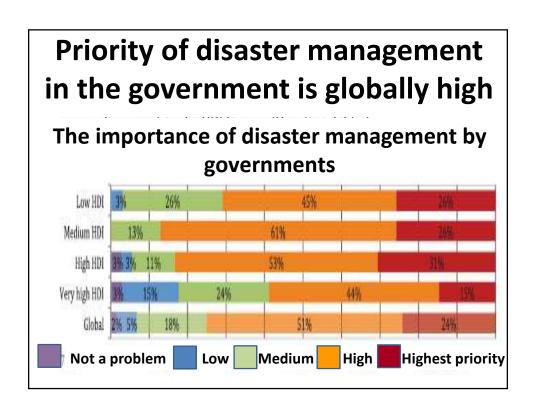






Governments are getting more concerned and serious about "water and disasters"





What can we do to address "Water and Disasters"?

Regular Global Discussion on Water and Disasters
-As a starter for concrete actions-

Benefit of Regular Discussion on Water and Disasters by International Community

- Mega water-related disasters happen almost every year:
 New problems to tackle and new experiences to share...
- Leaders' awareness at the highest levels of governments will sustain national efforts to reduce DRR
- Science and technology is advancing fast by every seconds to benefit actions of DRR. Sharing them is critical!
- There is progress on climate change discussion. DRR should prepare for and follow-up the progress
- To mainstream water-related DRR in the national development planning requires long-term efforts/actions
- Following-up and monitoring SDGs and targets on water and disasters

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2nd Special Thematic Session on Water and Disasters

UN-HQs, New York
November 18th

2nd United Nations Special Thematic Session on Water and Disasters

November 18th (Wednesday), 2015, UN-HQ, NY, USA

- Objectives
 - ✓ Raise awareness on water and disasters
 - ✓ Share experiences and good practices
 - ✓ Discuss next steps for actions
- Organizer and Chair: UN Secretary-General
- Co-Chair: Special Envoy on Disaster Risk Reduction and Water
- Co-organizer: High-level Experts and Leaders Panel on Water and Disasters (HELP)

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Agenda

1. Opening Session

- Opening Speeches (SG, PGA, Special Envoy)
- Key-note Lecture

2. High Level Panel Discussion

 Discussion among ministers, heads of international organizations, etc. on decisions to enhance preparedness and response to water and disasters

3. Focused Panel Discussion

- Panel discussion on science and technology
 Discussion among scientists and experts on ways to drastically improve readiness to water-related disasters through science and technology
- Panel discussion on the role of major groups
 Discussion among experts, academia, practitioners, workers, and youth on their roles and required actions for better disaster risk reduction actions

At the occasion of the Special Session in November ...

- A Suggestion to make use of the Special Session -

Opportunity for Member States

- High level politicians, administrators, scientists, and major group representatives on water and disasters will gather in the week of November 18th
- Awareness on water and disaster will be raised to the highest level through Special Thematic Session
- Time to start following up Summit Decision on SDGs and warming up for COP21
- Good occasion to exchange ideas and discuss future actions on water and disasters



Group discussion by delegates in the week of Nov. 19th to address actions on water & disasters will be timely and meaningful

HELP will help to address water and disasters at global/regional/country levels

Thank you