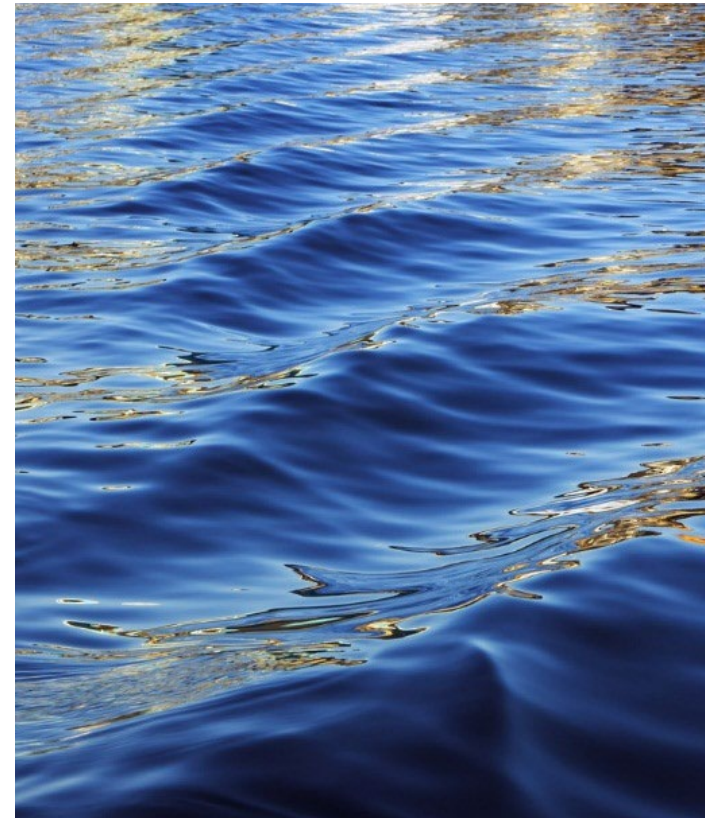


2nd ASEAN-MRC Water Security Dialogue:
Sustainable Investment for a Connected,
Resilient, and Water-secure
Southeast Asia
September 18th, 2024

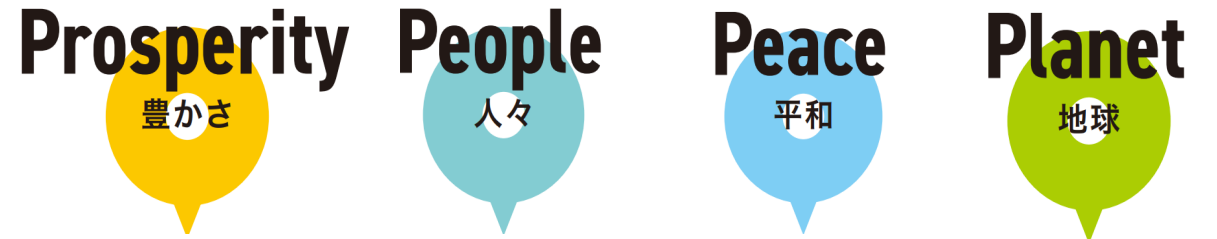
Mekong Scientific
Platform (MSP)
Toward
the Better Future
of Mekong

Kenji NAGATA, JICA



JICA Global Agenda and Practical IWRM Cluster

- JICA Mission: Human Security and Quality growth
- JICA Vision: Leading the world with trust
- JICA Global Agendas (JGAs): (20 Agendas)



No. 19: Sustainable Water Resources Management and Water Supply Cluster Strategy

(1) Supporting the growth of water utilities

(2) Practical IWRM to resolve water-related issues



Target 6.1

Universal and equitable access to **drinking water**

Target 6.4

Improved water use efficiency, **sustainable freshwater abstraction** and supply

Target 6.5

At all levels. Implementation of **integrated water resources management**

Mekong River: China, Laos and Thailand

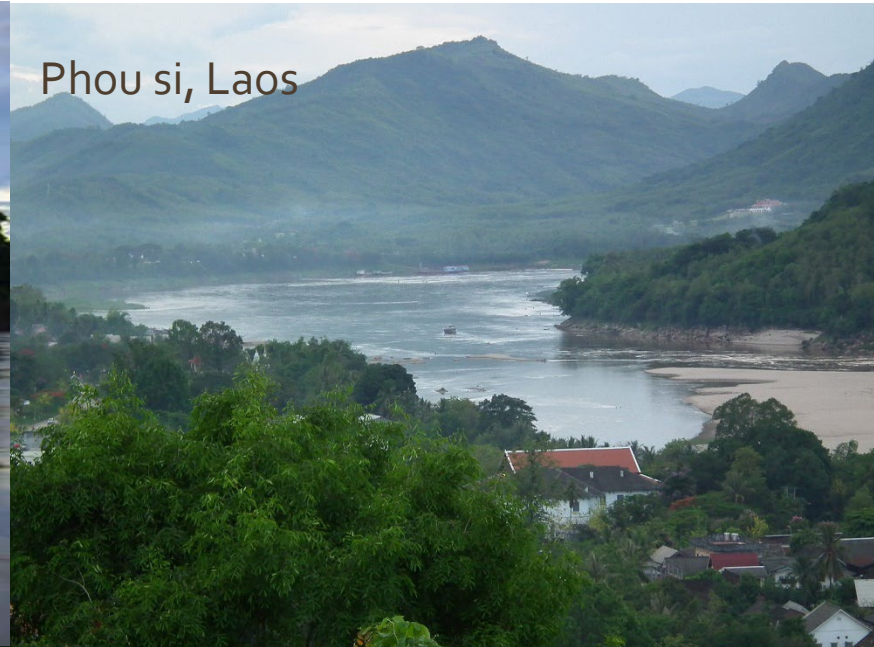
Yunnan, China



Luang Prabang, Laos



Phou si, Laos



Southern Mekong, Laos



Chiang Khong, Thailand



Chiang Saen, Thailand



Mekong River: Cambodia and Vietnam

Tonle Sap Lake, Cambodia



Tonle Sap Lake near near Siem Reap, Cambodia

Srepok river, Vietnam



Floating market in Cantho, Vietnam



Town in Mekong delta, Vietnam



Ferry terminal near river mouth, Vietnam

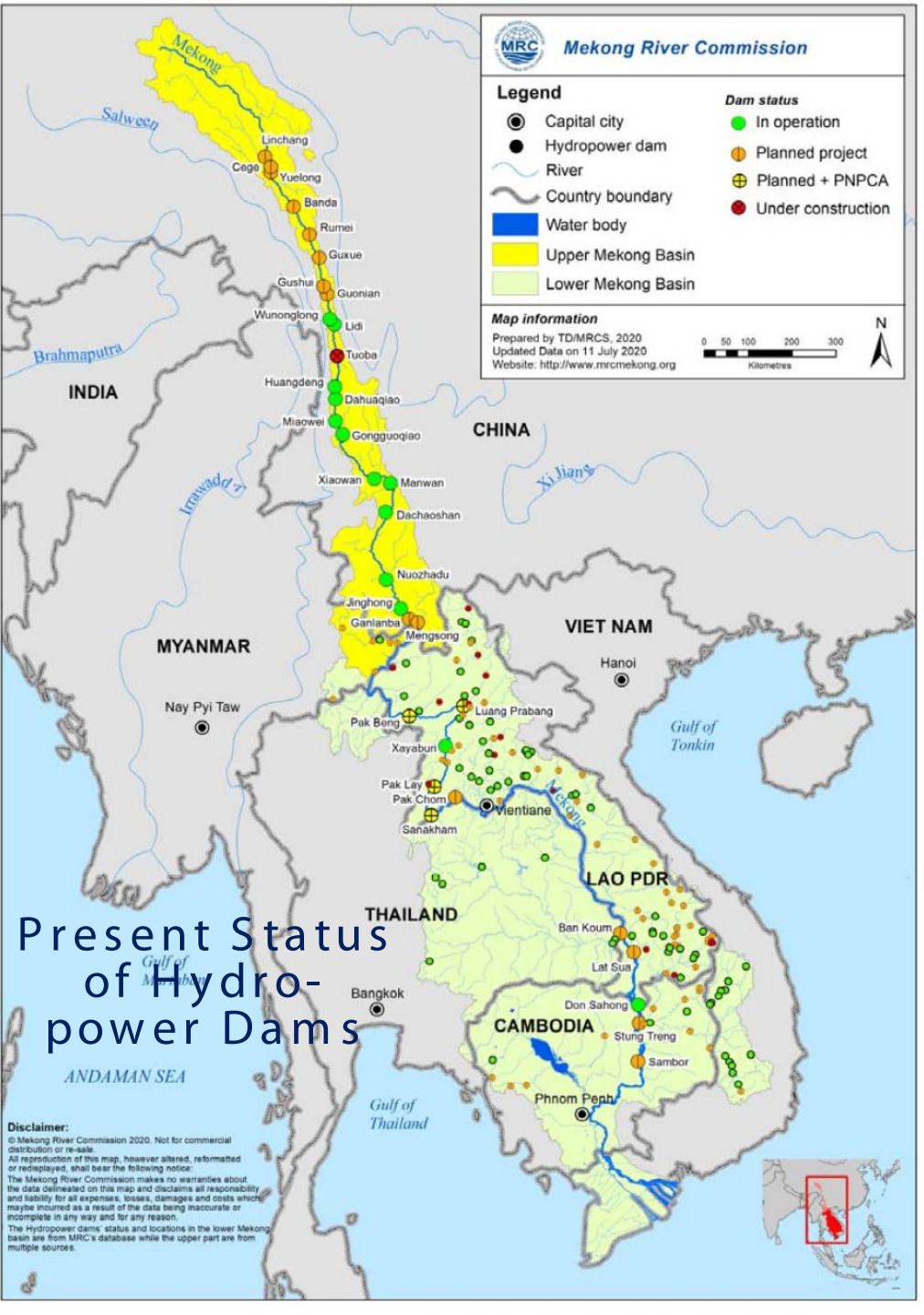
Climate Change in Mekong by 2060

- Basin-wide annual temperature increase:
0.4° C to 3.3° C
 - Change in rainfall:
Extremely dry (-16%) and wet (+17%)
 - Agricultural yields decrease.
 - Hydropower generation decline.
 - Navigation retard.
 - Water infrastructure needs enhancement.
 - Ecosystem becomes vulnerable.
-
- Impacts extends across the Mekong basin.
 - Impacts are particularly severe in local communities.

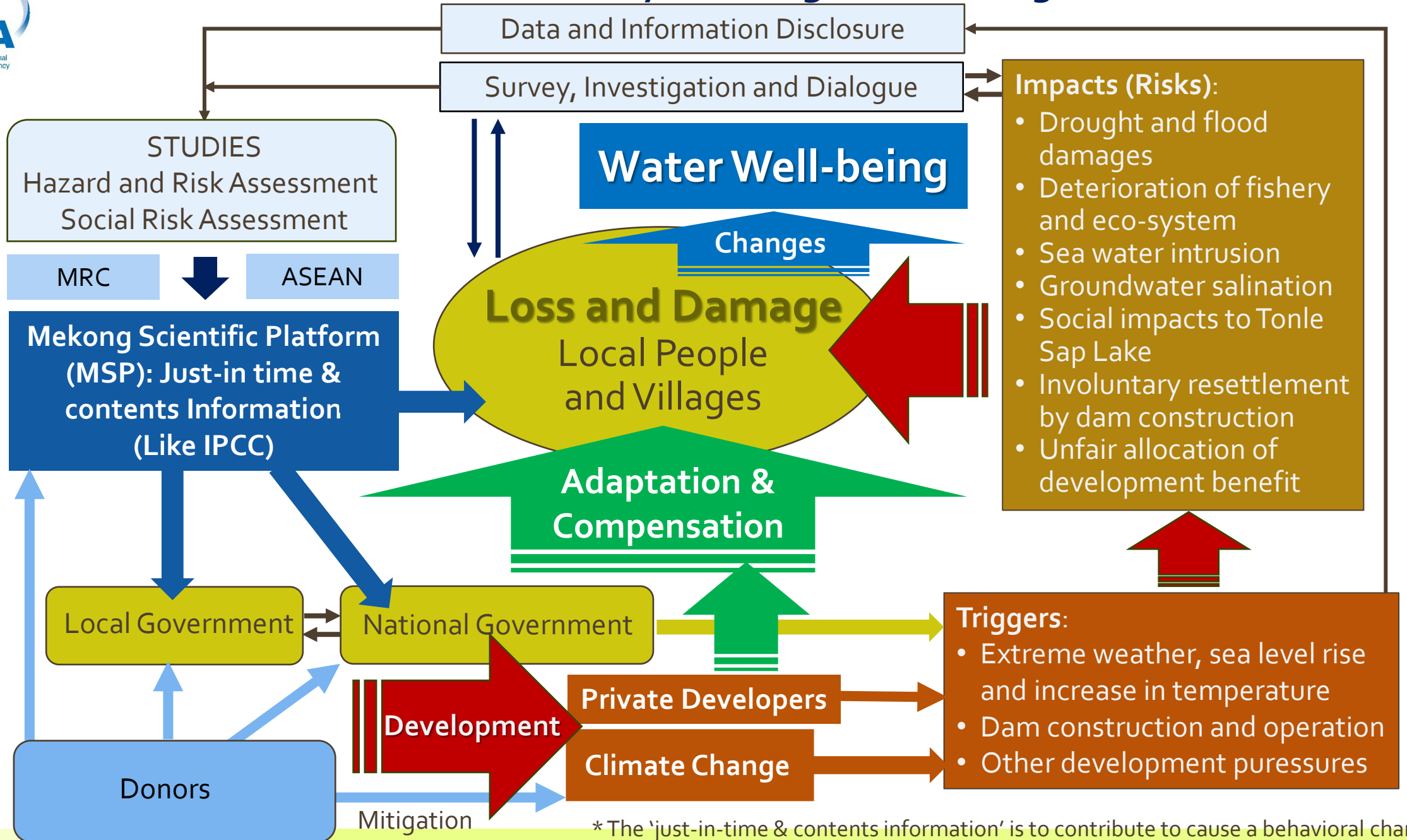


Development Pressures

- Population increase
- Economic development
- Hydropower dams' development
- Irrigation development
- Inland-water transportation
- Deforestation



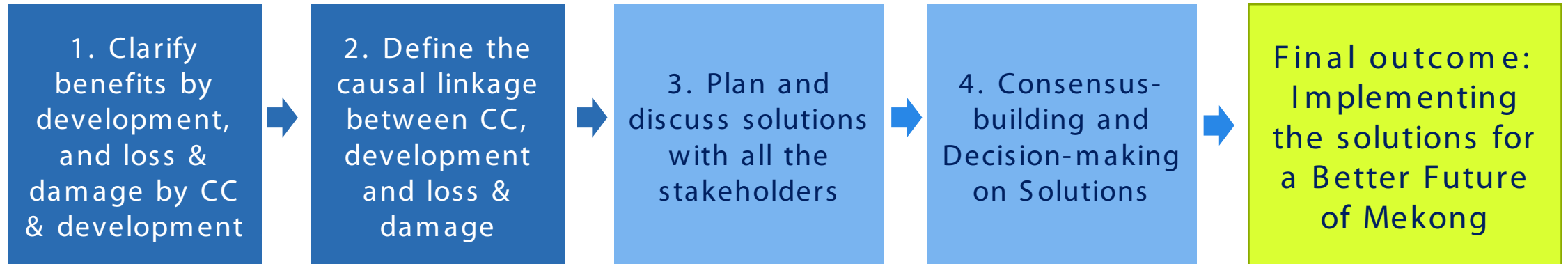
Structure of 'Theory of Change' in Mekong



* The 'just-in-time & contents information' is to contribute to cause a behavioral change.

'Theory of Change' in Mekong

Role of Mekong Scientific Platform (MSP)



- All Sciences: Inter-disciplinary platform including Natural and Social Scientists
- All Mekong: Area-integrated with all the basin countries and supporters
- Evidence-based consensus-building and decision-making
- Evidence-based Solutions of adaptation and mitigation against CC & development

Set-up priority agendas to be solved, and START