



The Next Joint Project Team Meeting of Sentinel Asia

co-organized by
JAXA/Sentinel Asia
ADPC
and partners

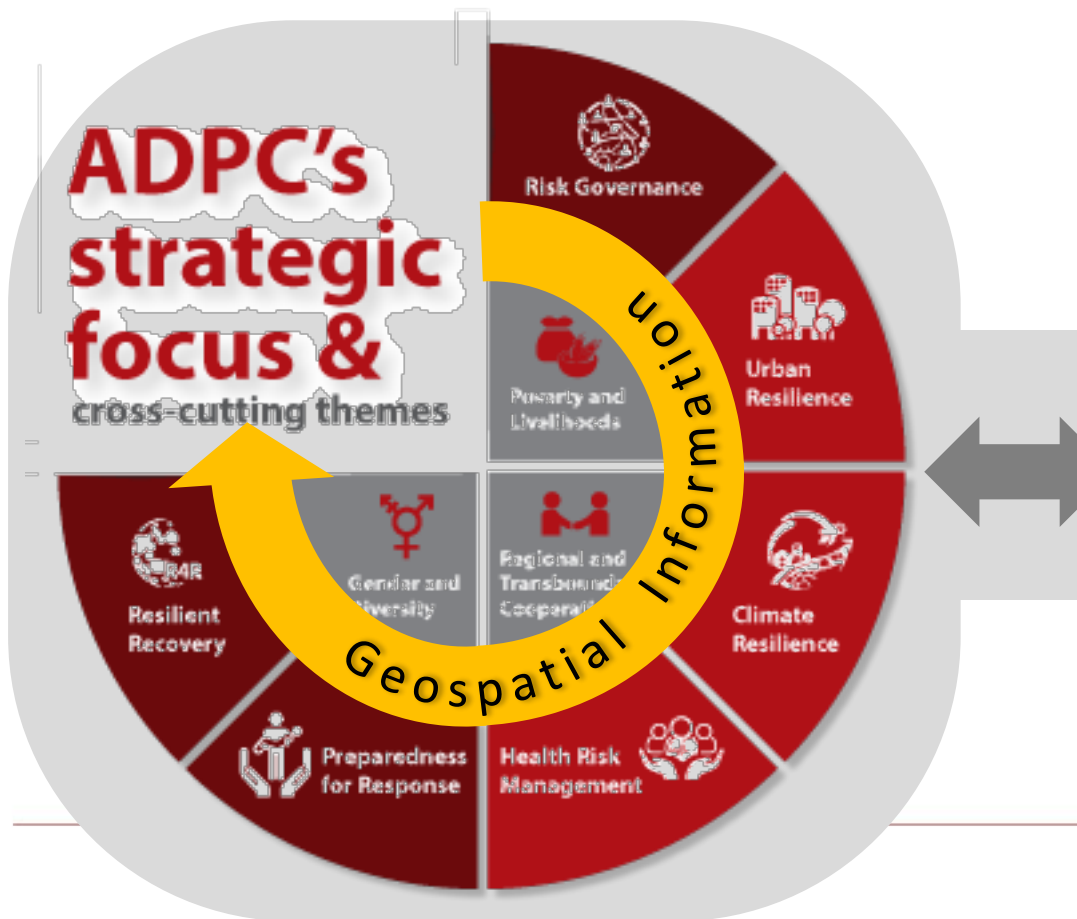
Date TBC, Thailand



ADPC is...

- Sentinel Asia DAN
- GEO Participating Organization
- GEO-DARMA Steering Committee
- UN-SPIDER Regional Support Office
- SERVIR-Mekong Hub

ADPC Strategy 2020 – aligning with global frameworks



Sendai Framework for DRR

4 PRIORITIES FOR ACTION	Priority 1 Understanding disaster risk <i>Policies and practices for DRR should be based on an understanding of disaster risk in all its dimensions of vulnerability, capacity, exposure of persons and assets, hazard characteristics and the environment.</i>	National and local dimensions Regional and global dimensions
	Priority 2 Strengthening disaster risk governance to manage disaster risk <i>Disaster risk governance at the national, regional and global levels is of great importance for an effective and efficient management of disaster risk.</i>	
	Priority 3 Investing in disaster risk reduction for resilience <i>Public and private investment in DRR are essential to enhance the economic, social, health & cultural resilience of persons, communities, countries, their assets, as well as environment.</i>	
	Priority 4 Enhancing disaster preparedness for effective response, and to "Build Back Better" in recovery, rehabilitation and reconstruction <i>Strengthened disaster preparedness for response, recovery, rehabilitation and reconstruction are critical to build back better.</i>	



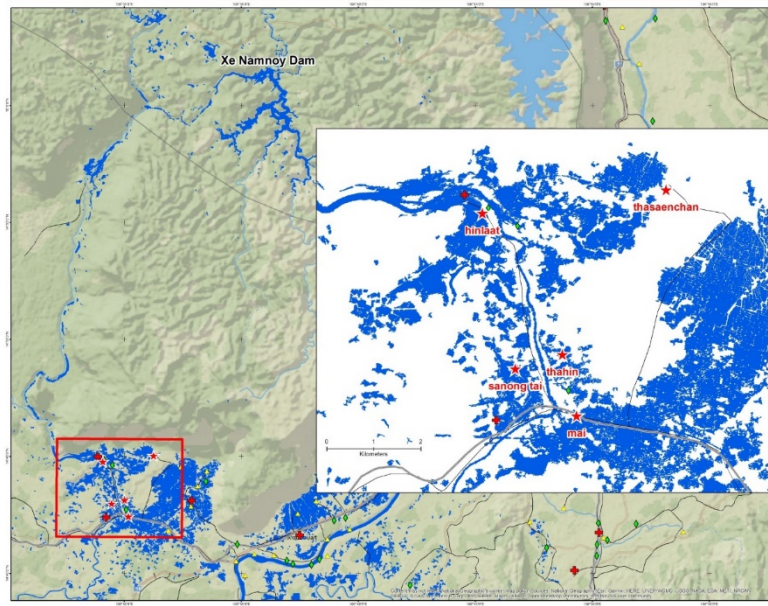
Using Earth Observation for

Sendai Framework for DRR

Priority 4: Enhancing Disaster
Preparedness for Effective Response

Satellite-based Disaster Mapping

Flood Resulting from Xe Namnoy Xe Pian Dam Collapse in Lao PDR



Capacity Development → Use of Disaster Maps

HYDRAFloods Viewer

Navigation

Home

Map Viewer

BROWSE IMAGERY

 VIIRS NRT TRUE-COLOR

PRECIPITATION PRODUCTS

 IMERG

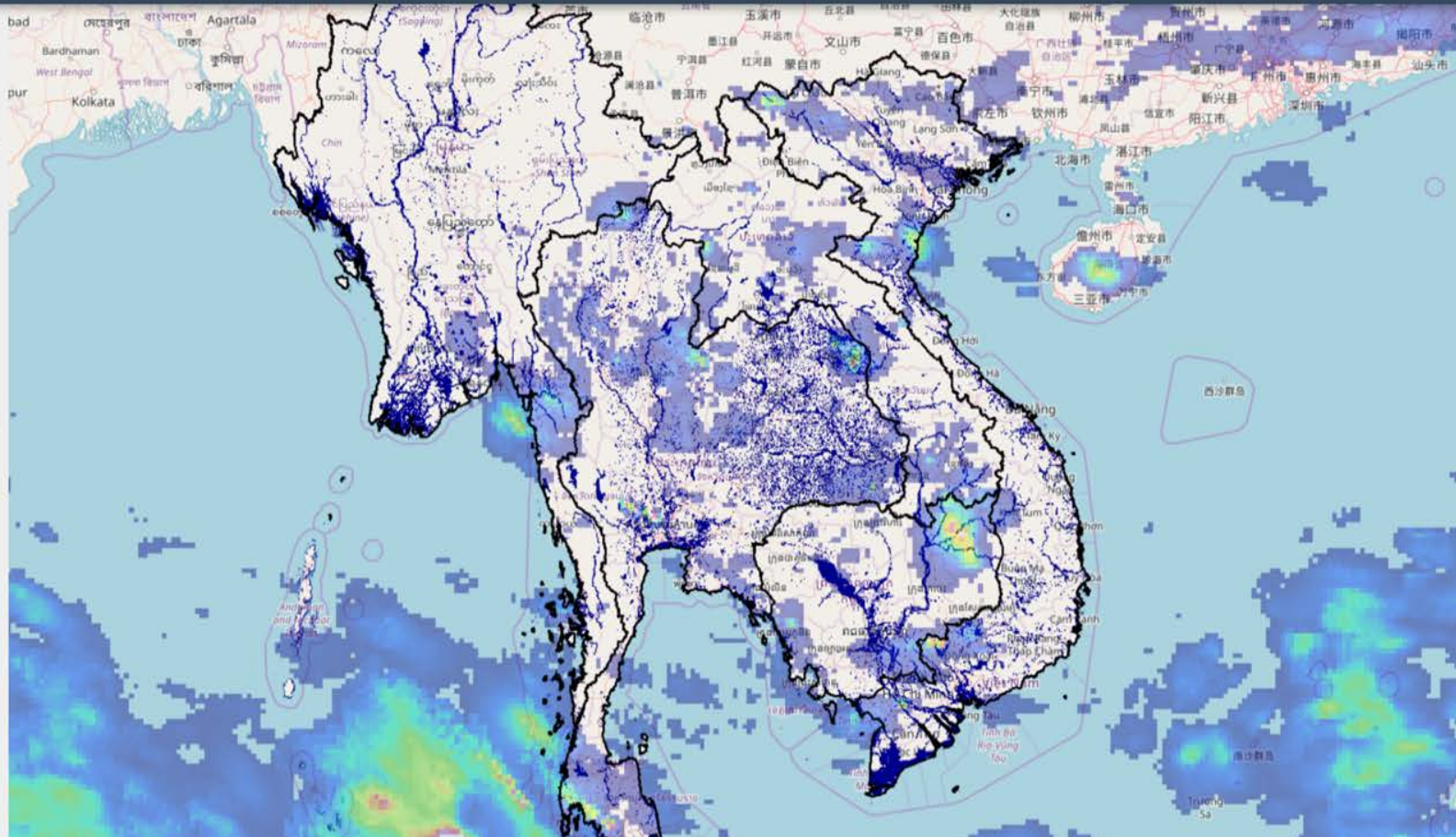
Select Accumulation Product:

1 Day Accumulation

HISTORICAL WATER

 HISTORICAL WATER MAPS

FLOOD MAPS



Using Earth Observation for

Sendai Framework for DRR

Priority 1: Understanding Disaster Risk



USAID
FROM THE AMERICAN PEOPLE



adpc

SERVIR  **MEKONG**

HISTORICAL FLOOD ANALYSIS TOOL



Population

Select hazard to display

Actual Flood Frequency



Aggregate Flood Hazard

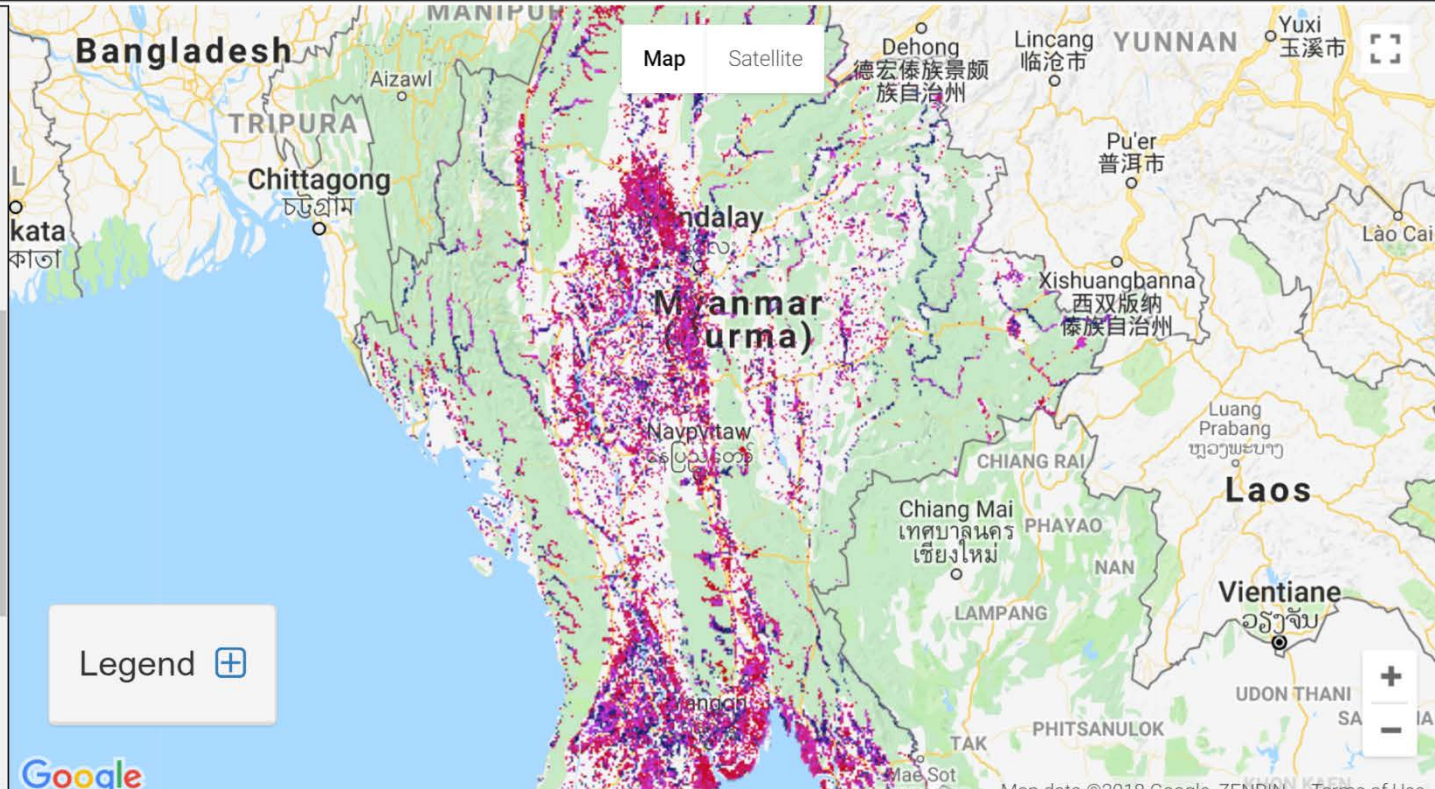


Select Time Period To Display

Continuous

Select Years

Start to End





USAID
FROM THE AMERICAN PEOPLE



adpc

SERVIR **MEKONG**

HISTORICAL FLOOD ANALYSIS TOOL

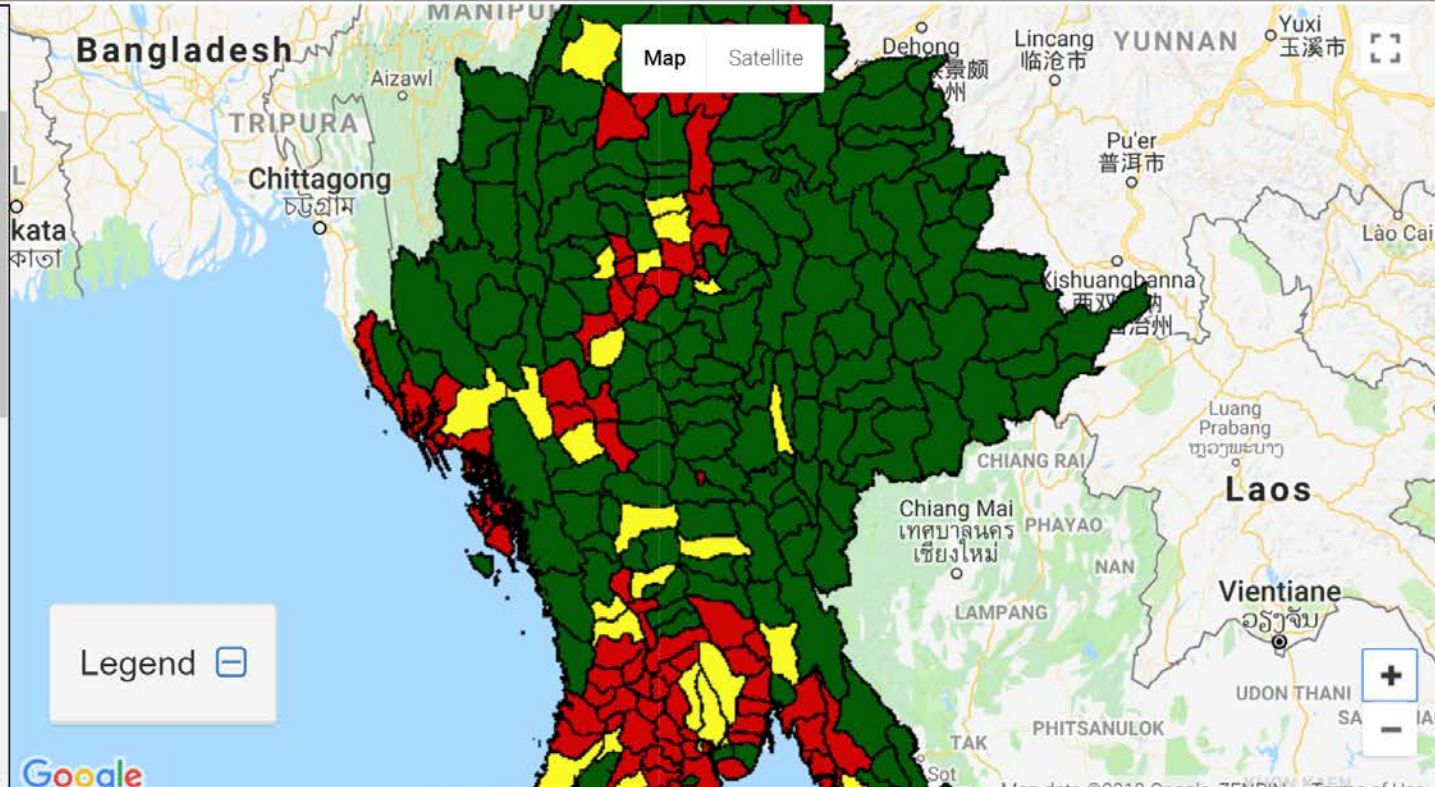


Select element to display

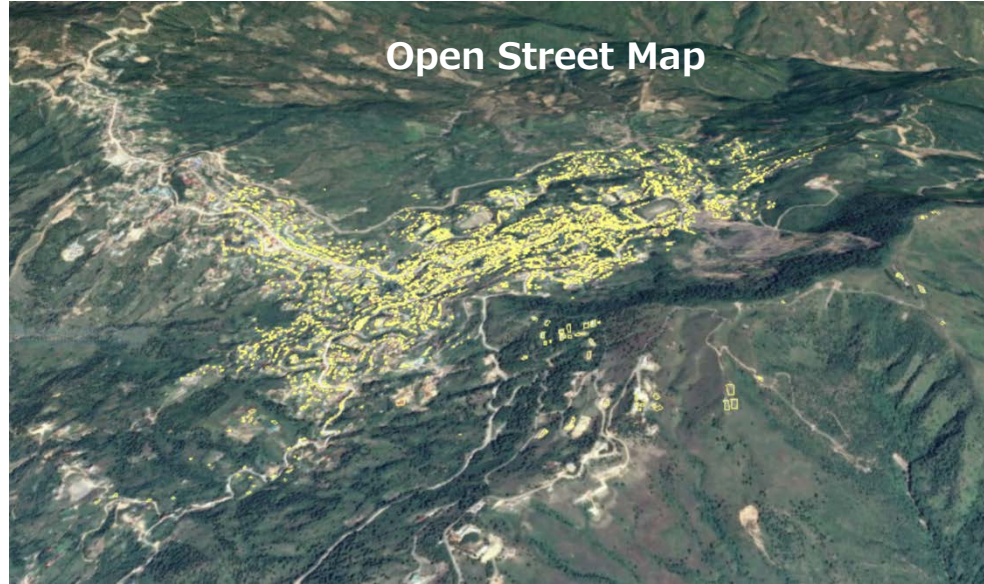
- Township Boundary
- State/Region Boundary
- Road Network
- Shelter Location
- Warehouse Location
- Population

Select hazard to display

- Actual Flood Frequency



Risk Assessment and Early Warning for Chin State of Myanmar



Building Footprint in Haka Township

2,712 building footprints in Haka TS are already available from OSM



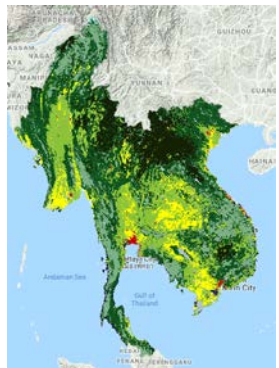
USAID
FROM THE AMERICAN PEOPLE



adpc

Promoting Regional Cooperation

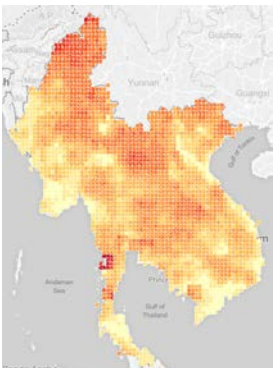
Regional Products, Regional Cooperation



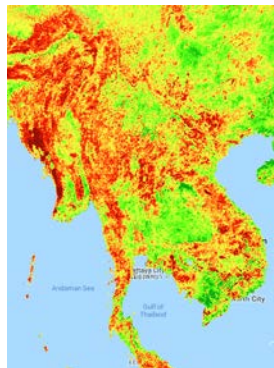
Regional Land Cover



Regional Forest Cover



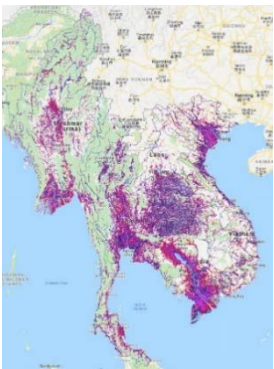
Regional Drought Index



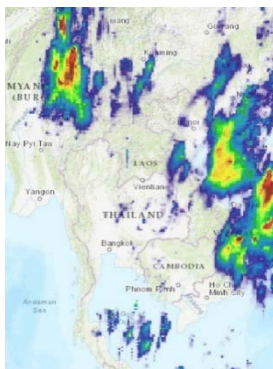
Regional Biological Productivity



Regional Surface Water Mapping



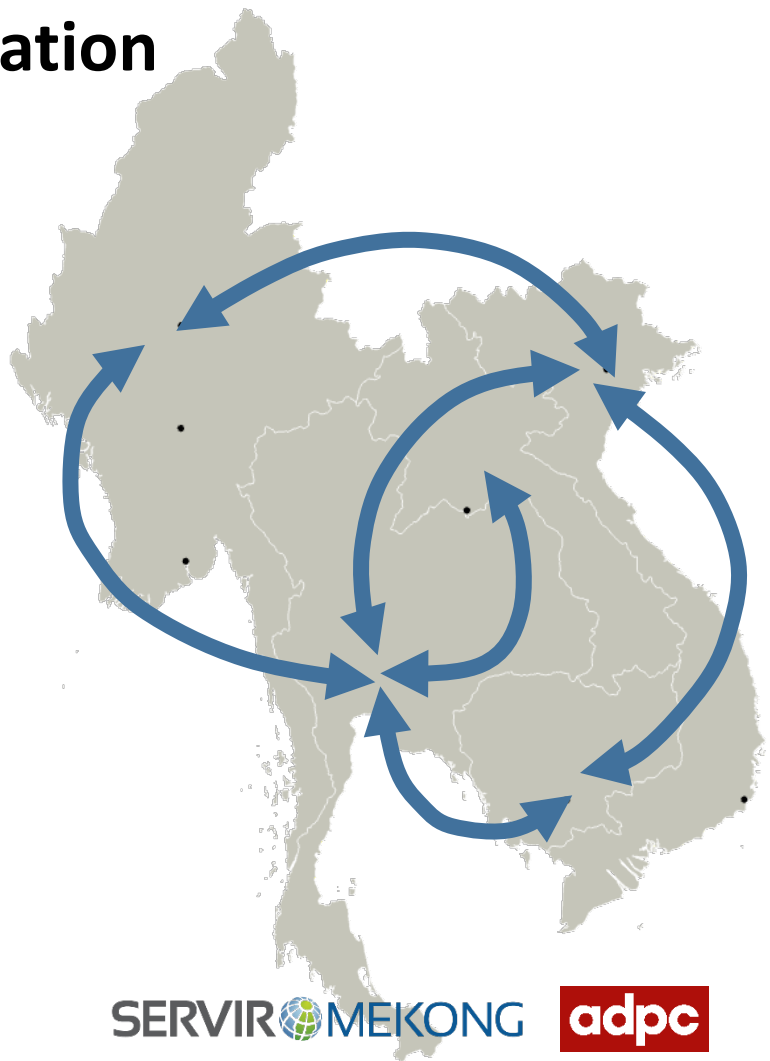
Regional Flood Frequency



Regional Rainfall Estimates



Regional Reservoir Mapping



Making use of ADPC for possible scaling out ...

Regional Consultative Committee on Disaster Risk Management (RCC)

- 26 Member Countries
- Regional mechanism on disaster risk management in Asia-Pacific
- Provide opportunity for regional and sub-regional cooperation



A nighttime photograph of Bangkok, Thailand. The foreground is dominated by the Grand Palace, its intricate golden roofs and spires illuminated against the dark blue night sky. In the background, a dense urban skyline of modern skyscrapers is visible, with some buildings lit up. The overall atmosphere is serene and majestic.

THANK YOU
See you in Thailand