

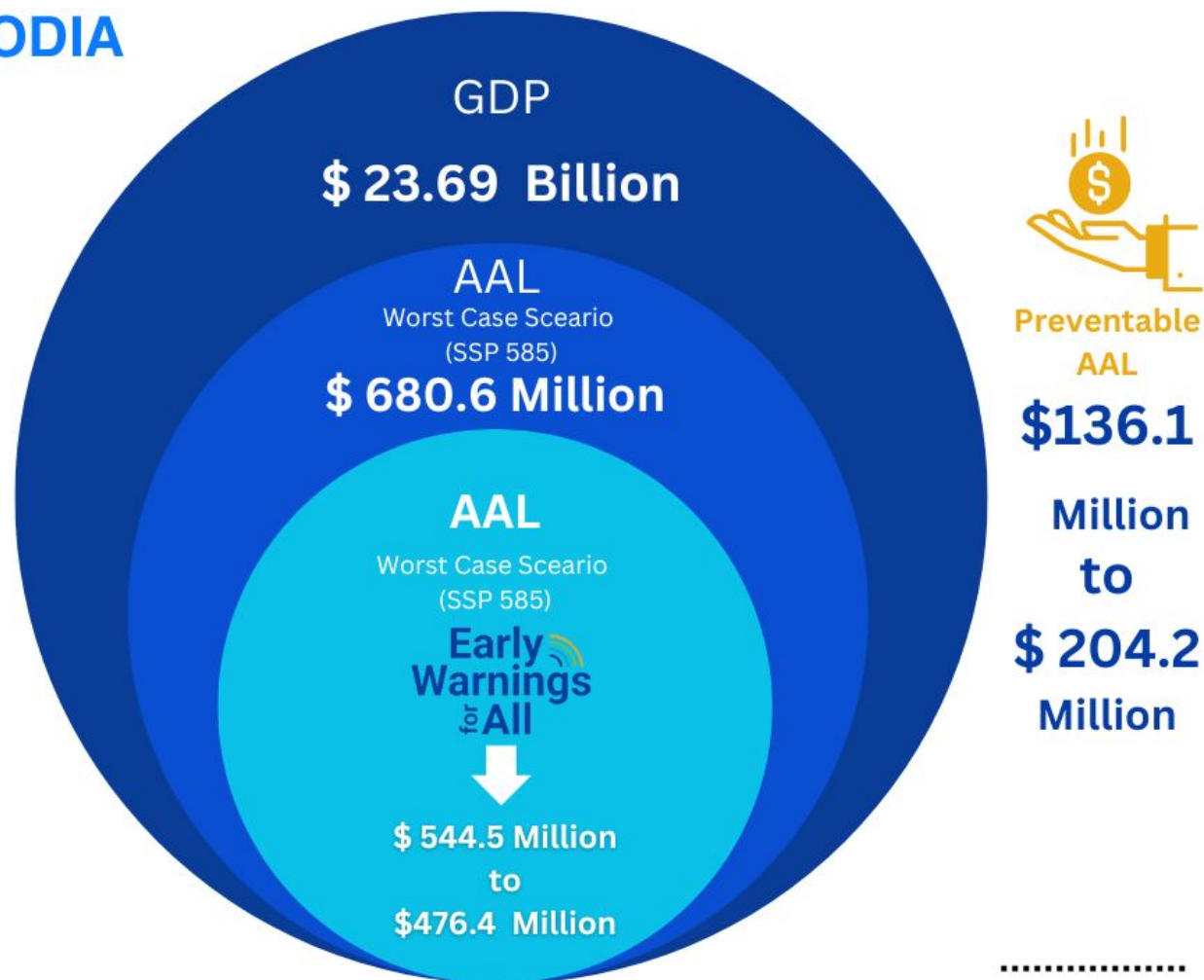
ESCAP's Pledge: Building digital governance

ESCAP offers its technical assistance to strengthen Cambodia's digital government capacity that addresses adaptation and resilience pathways of climate action. Moving forward, ESCAP pledges to customize its digital platform (risk and resilience portal) and tailor this to address disaster risk reduction related targets and indicators of SDGs 1, 2, 9, 11 and 13 through Cambodia's digital risk governance architecture.

**Session 2: Role of UN and international agencies in
achievement of UN SDGs in Cambodia
ITU PartnerConnect National Roundtable Cambodia
8-9 July 2024**

Average Annual Losses (AAL) in Cambodia

CAMBODIA



Studies have outlined how only a **24-hour warning** could reduce damages **by 20-30 per cent**

(Global Commission on Adaptation, 2019; Pappenberger and others, 2015).

In Cambodia, more than **90 per cent** of total AAL under current scenario comes from **flood** and **86 per cent** of total AAL is due to damage to **buildings**

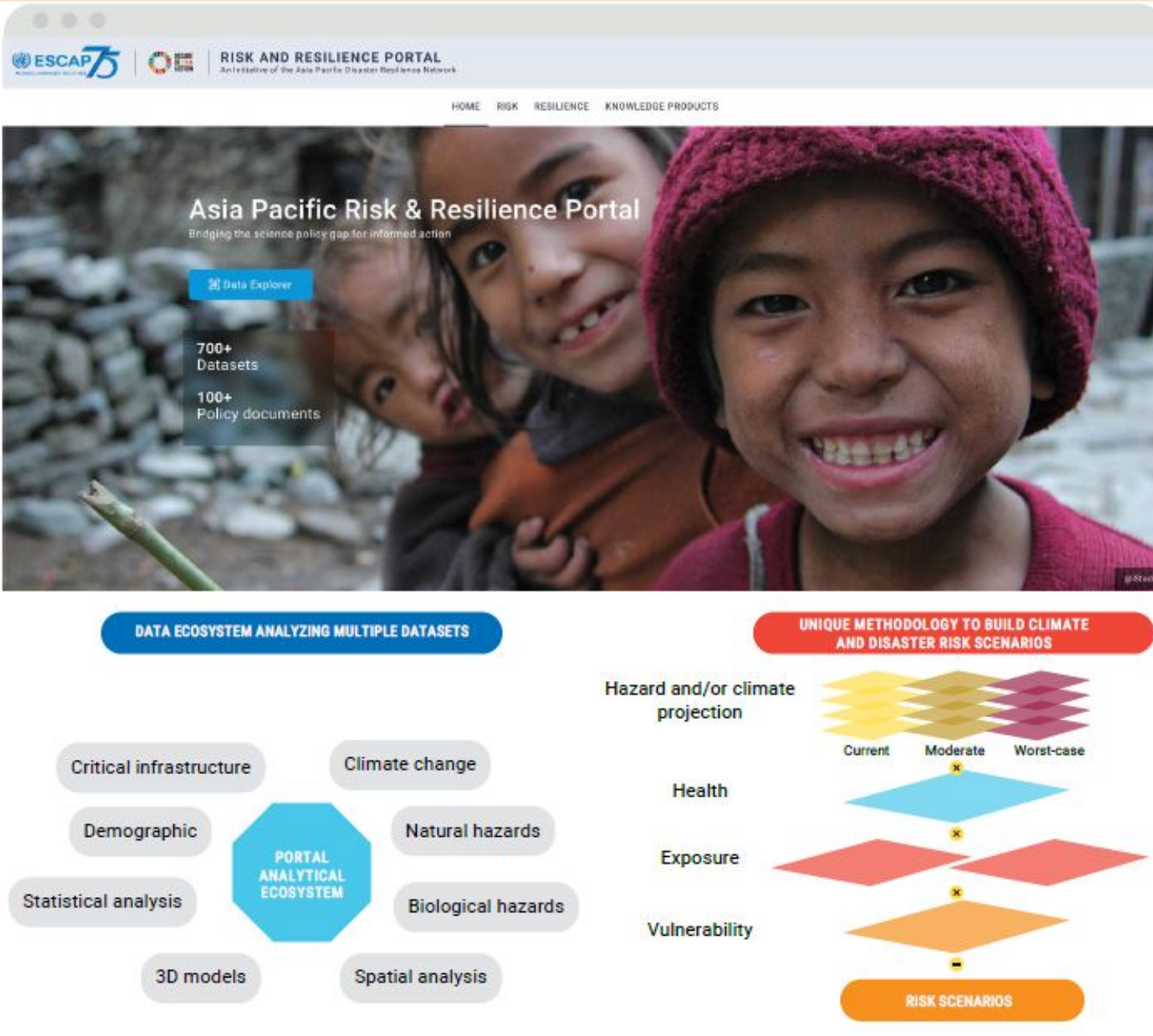
(Global Infrastructure Risk Model and Resilience Index, CDRI).

.....

Better understanding of risk and changing riskscape

**Understanding of multi-hazard,
multi-sectoral Risk is key to
transformative adaptation**

The Portal uses all
available open source
climate, hazard,
socio-economic and
environmental data, make
it interoperable, and bring
under one platform

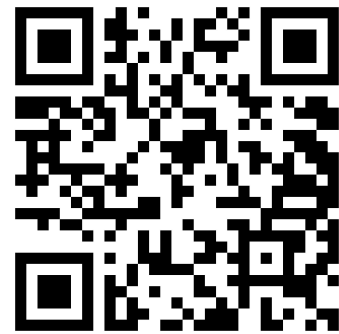
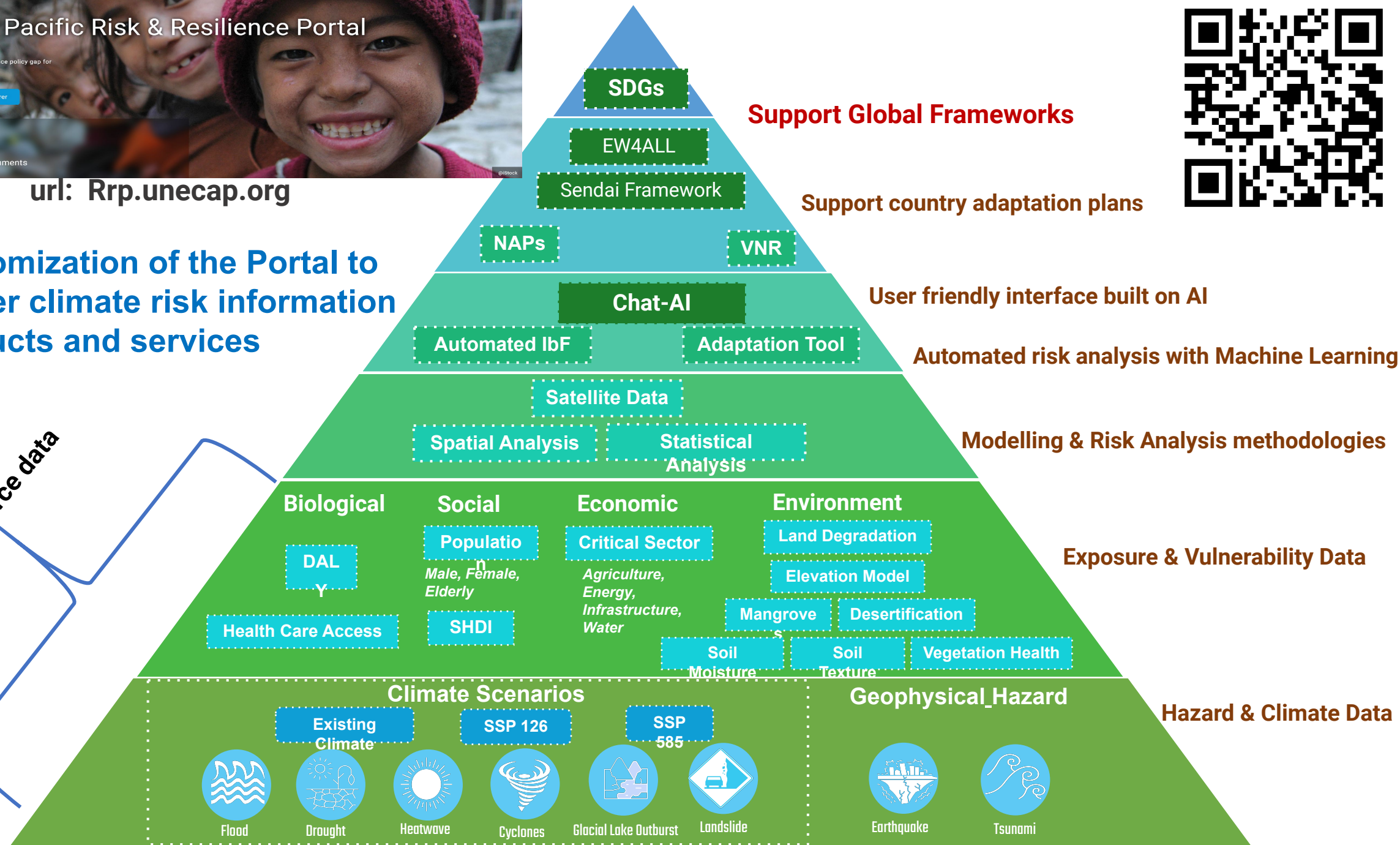




url: Rrp.unecap.org

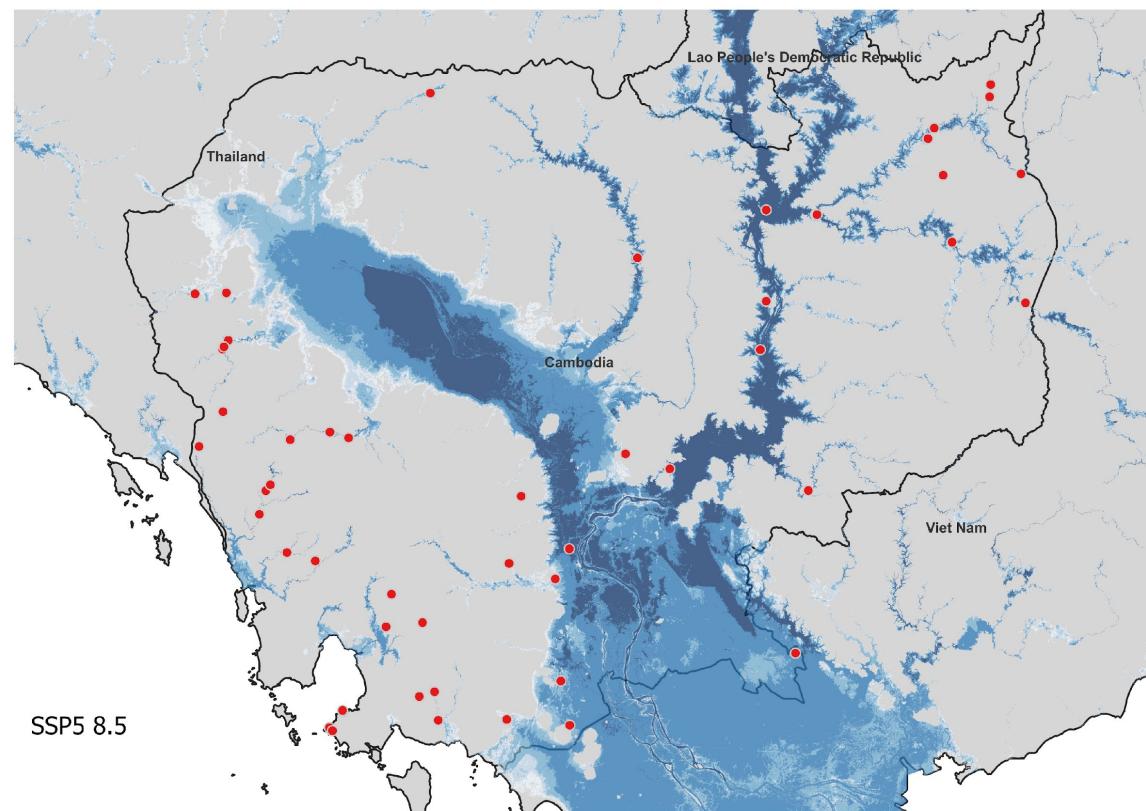
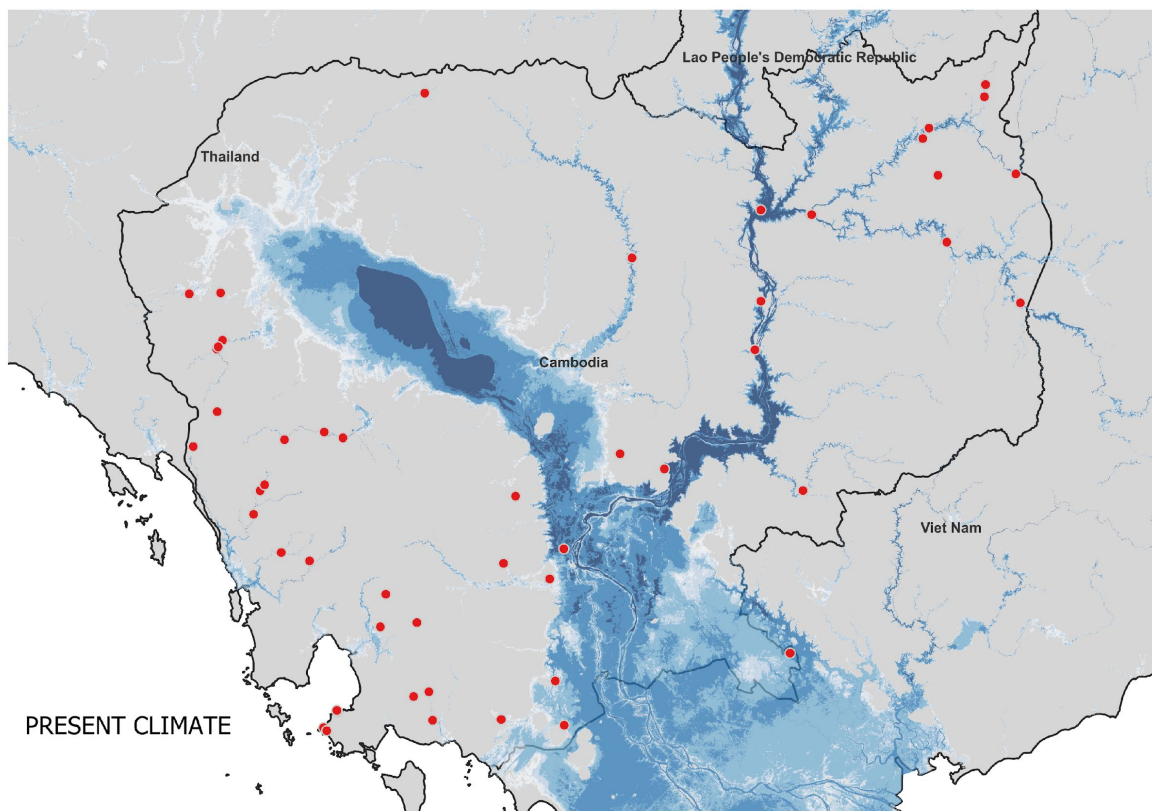
Customization of the Portal to deliver climate risk information products and services

Open source data



Disaster risk knowledge for DRR and climate adaptation in Cambodia

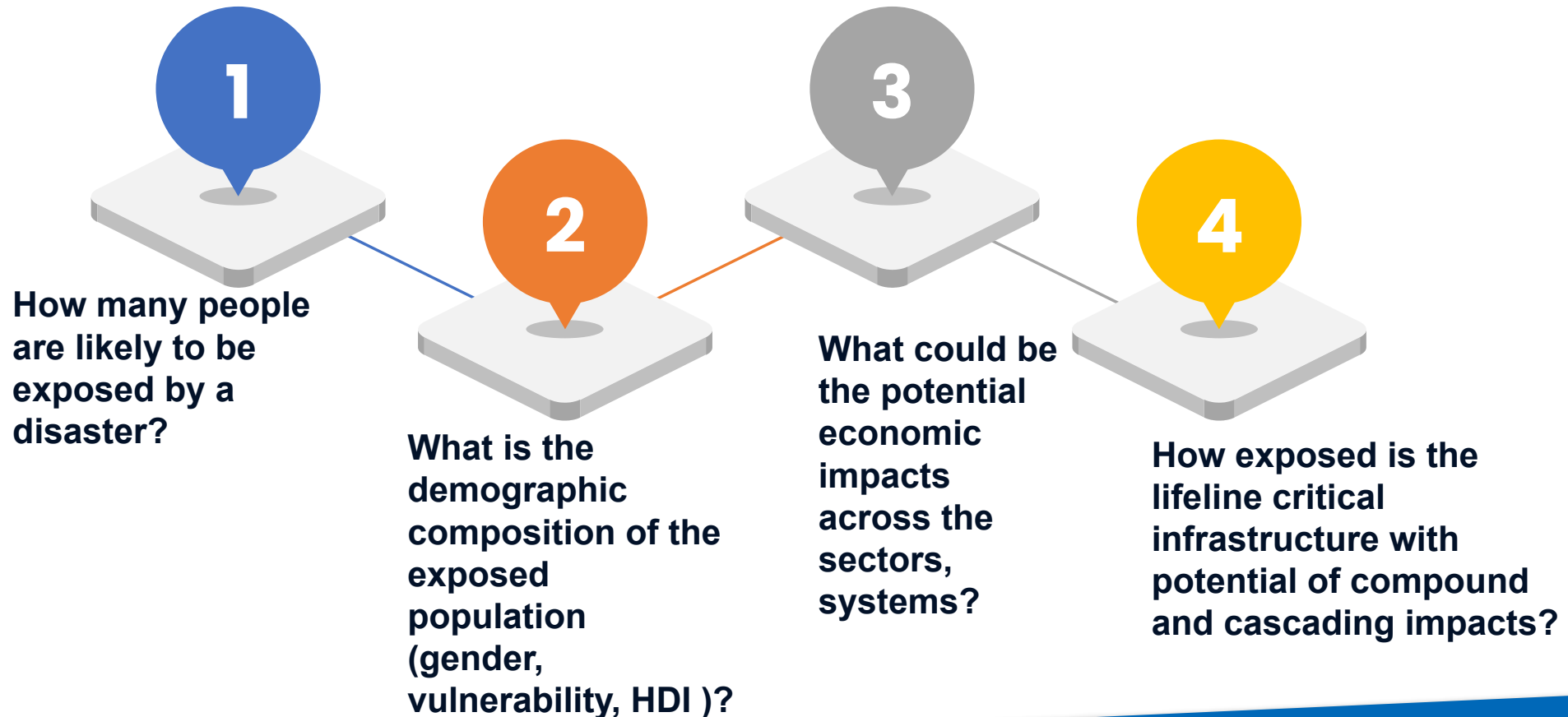
Visualize/quantify the impacts of floods under different climate scenarios (at 100m resolution)



Disclaimer: The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.
Sources: ESCAP calculations based on IPCC WGI Interactive Atlas - Coupled Model Intercomparison Project Phase 6 (CMIP6) 2021; GIRI CDRI (2023); and UN Geospatial.

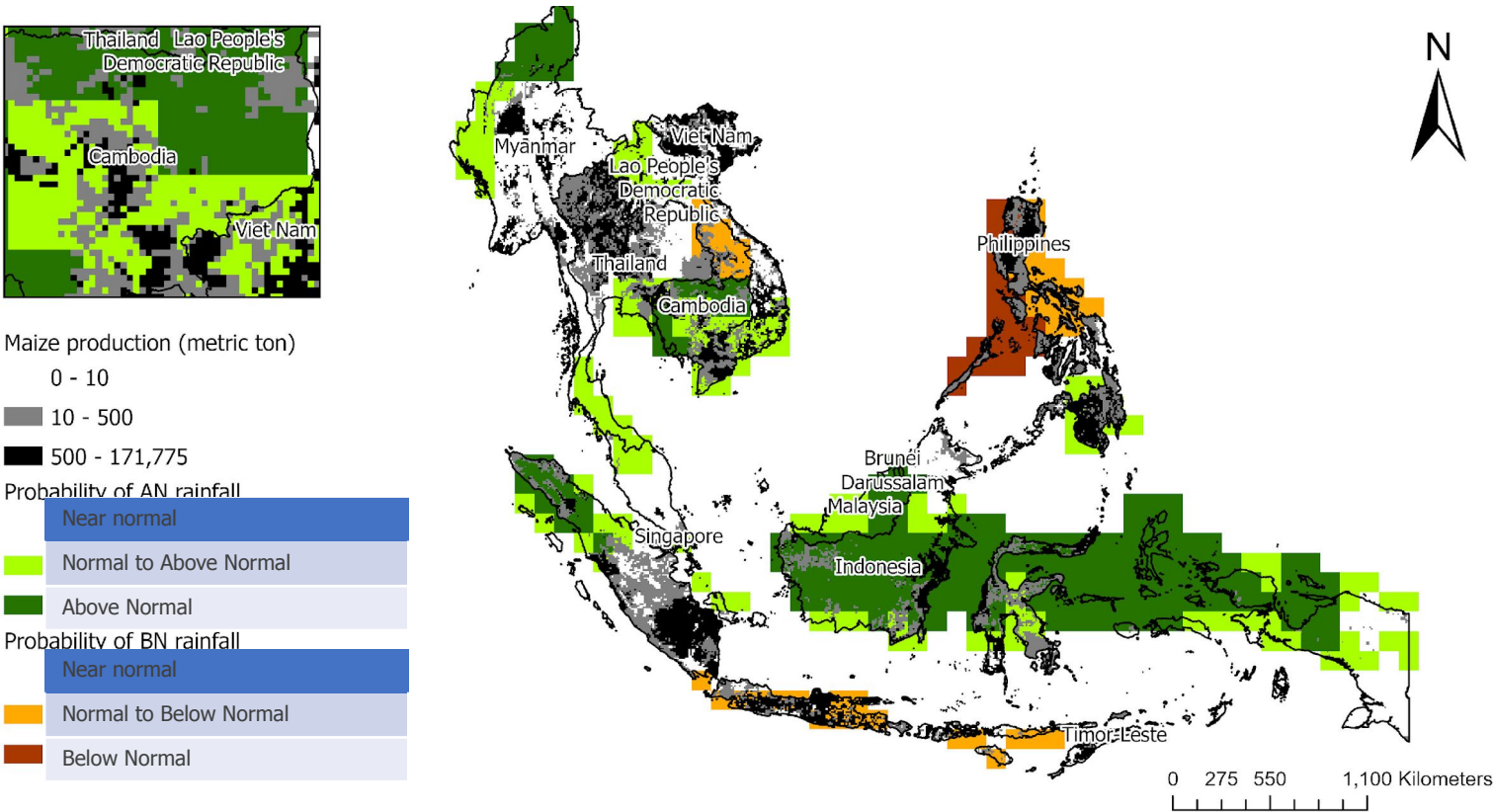
Impact modeling for early action:

Building on suite of predictive, descriptive and prescriptive models
and respond #4 key questions



ASEAN Seasonal outlook (JJA 2024) to impact forecasting

Potential Maize crop exposure to AN rainfall



Sources: ASEANCOF-22 Seasonal Outlook Temperature Data for June to August 2024, International Food Policy Research Institute (IFPRI) 2024, "Global Spatially-Disaggregated Crop Production Statistics Data for 2020 Version 1.0.0" and UN Geospatial

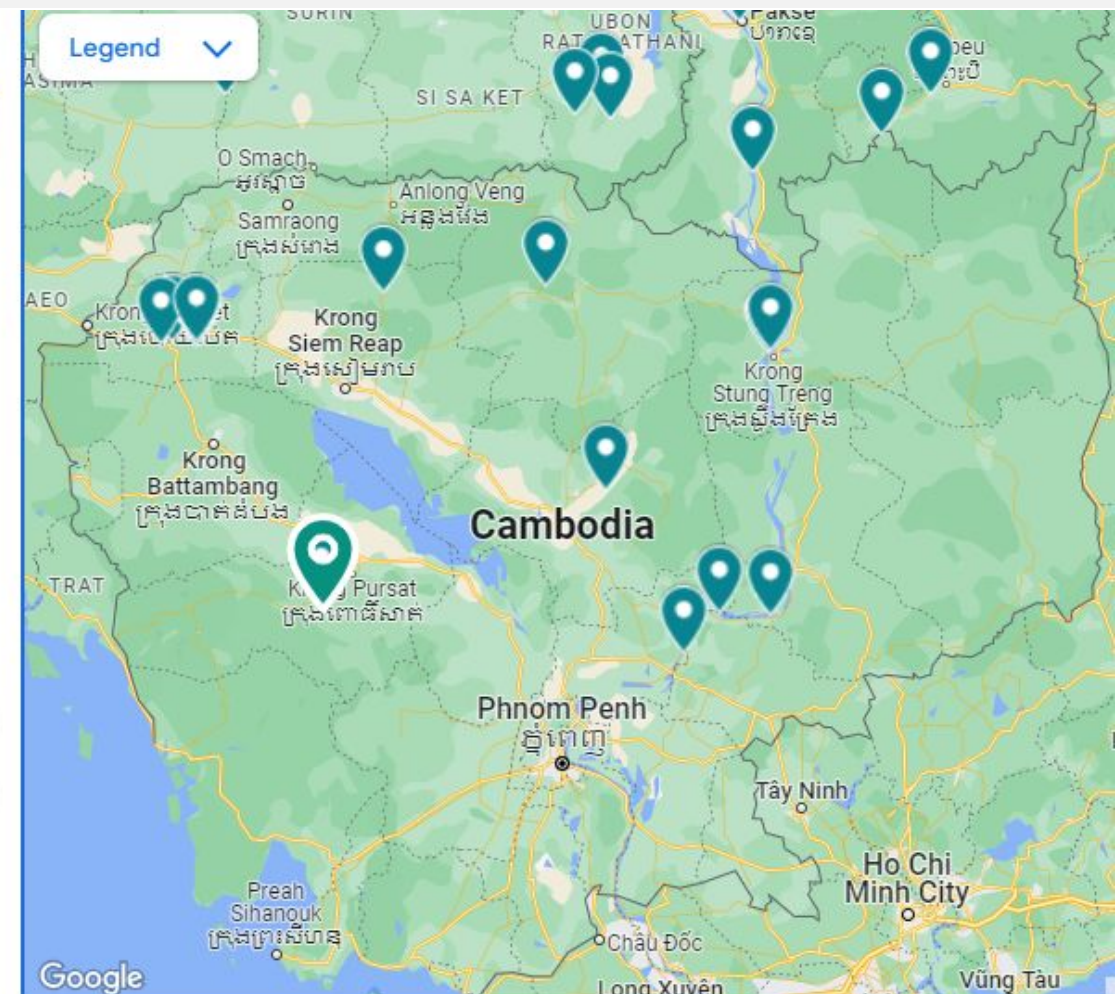
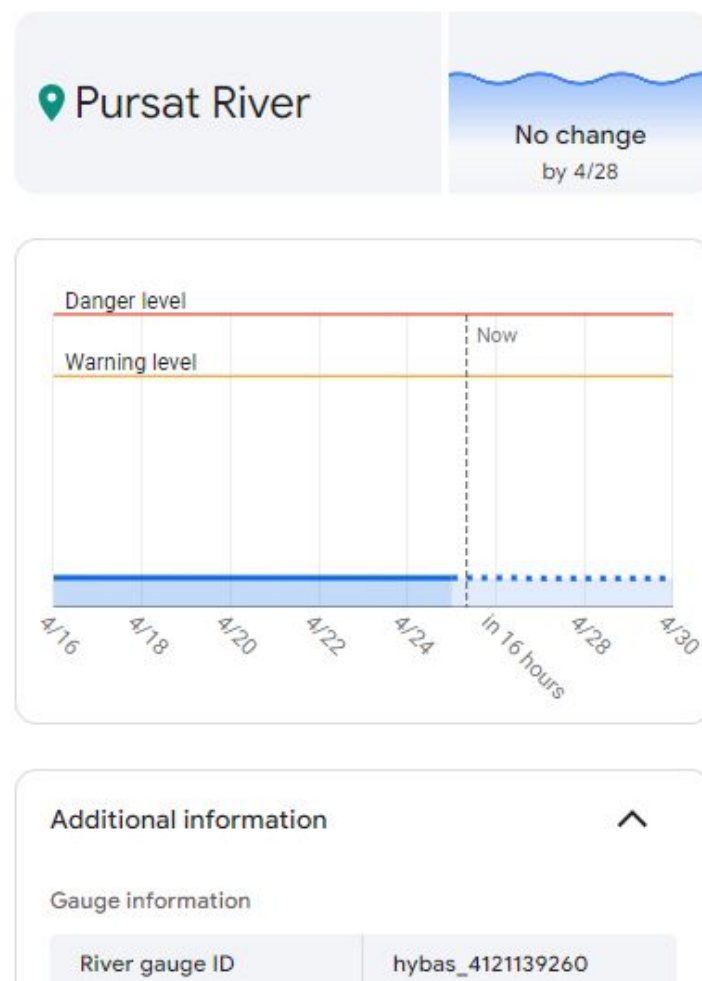
Disclaimer: The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations

Country	Potential % exposure of Maize crop	
	Above normal	Normal to Above Normal
Brunei Darussalam		
Indonesia	26%	4%
Cambodia	55%	45%
Lao PDR	1%	49%
Myanmar	2%	2%
Malaysia		3%
Philippines		46%
Singapore		
Thailand		3%
Timor-Leste		
Viet Nam		25%

Analysis and impact forecasting

In collaboration with Google's Flood Hub platform which uses AI models for flood forecasting, ESCAP can also provide impact based forecasting tool that uses **7-day flood forecast** to estimate the impact on exposures (agriculture, infrastructure, population, etc.)

*Integration of exposure layer is upcoming in 2024



Map of Adaptation Solutions Database

Explore, learn, and adapt from proven adaptation solutions.



ESCAP
Economic and Social Commission
for Asia and the Pacific



RISK AND RESILIENCE PORTAL



NATURAL LANGUAGE ADAPTATION SOLUTION TOOL

From insight to impact for a climate-ready world

[Tutorial](#)

[FAQ](#)

[Feedback](#)



MAIN PANEL

Map

Table

Methodology



+

ADD PANEL

Asia Pacific - All Solutions

Welcome to Natural Language Adaptation Solution Tool. A dynamic platform utilizing Natural Language Processing (NLP) to address

Parameter

Risk and Resilience

Country
Asia Pacifics region

Find in this panel

Reduce Hazards

How can hazards impact communities?

Reduce Vulnerability

How can vulnerability impact communities?

Reduce Exposure

How can exposure impact communities?

Reset
Revert all parameters to default.
Your information will not be restored.



ADAPTATION CASE STUDIES DATABASE

AP-PLAT



WORLD BANK



ADB



RENATURE COMPENDIUM



Flood Adaptation Recommendations



THANK YOU



<https://rrp.unescap.org/>