



Developing capacity of countries to be prepared for tsunami threat

Indian Ocean Tsunami Ready Workshop, 24 November 2022

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History of the Trust Fund



Trust Fund established

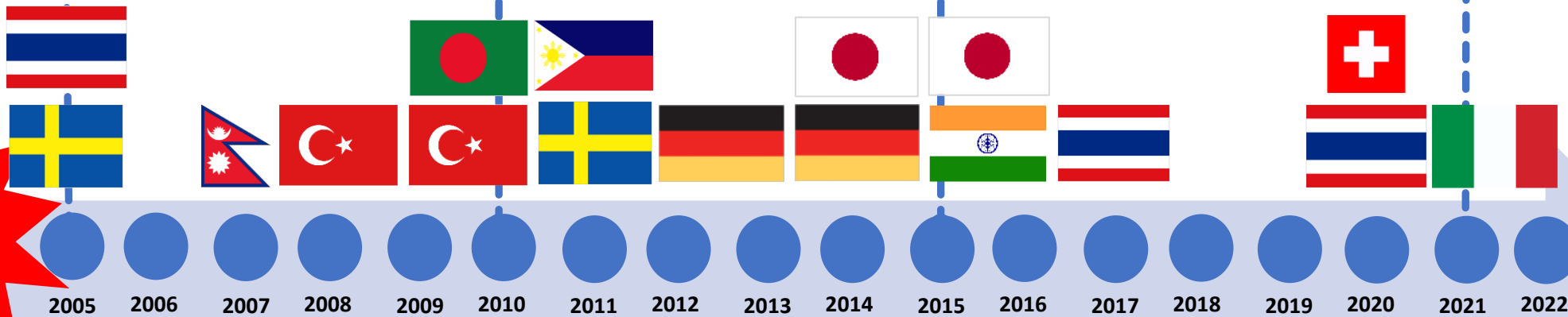
Trust Fund expanded to include Disaster and Climate preparedness

Trust Fund expanded to include Southwest Pacific SIDS

Trust Fund Strategic Note 2021-2024

ESCAP Multi-Donor Trust Fund for Tsunami, Disaster and Climate Preparedness

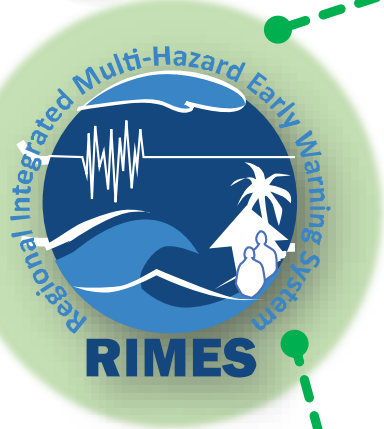
Strategic Note 2021-2024



Achievements of the Trust Fund



Trust Fund established



Climate Outlook / Monsoon Forums established across 12+ countries

Indian Ocean Tsunami Warning System entered into operationalisation




SSOP Manual developed




RIMES expanded to cover southwest Pacific SIDS

Indian Ocean Tsunami

2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022




Pillar I: Strengthening people-centred, multi-hazard early warning systems




Pillar II: Strengthening social and economic resilience in Asia-Pacific

Thematic focus

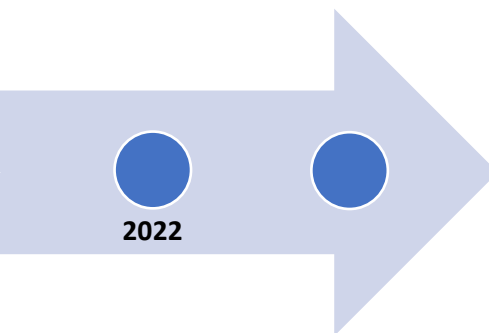


Pillar III: Enhancing disaster and climate risk management through regional cooperation

Modes of implementation



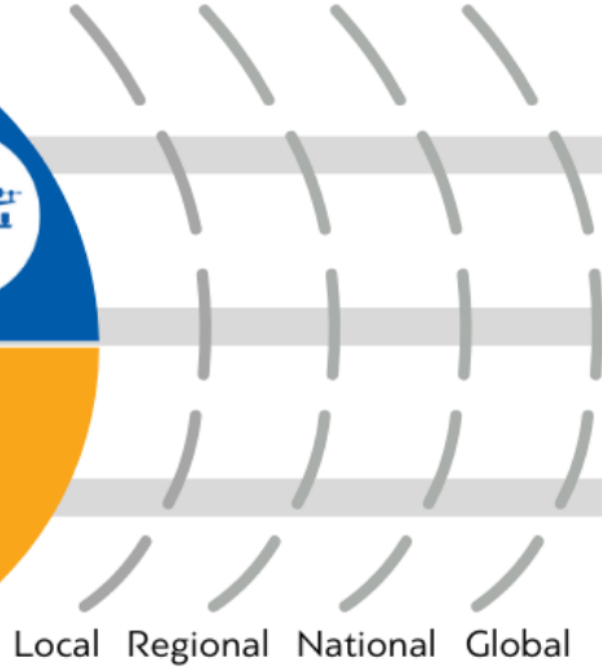
Pillar IV: Mainstreaming science, technology and innovation



Future of the Trust Fund: Early warnings for all



2022



Technical & Scientific

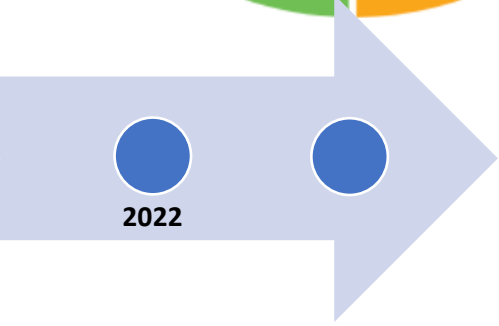
Financial

Political



Early Warnings for All

2022



Efforts of the Trust Fund - EWS



e.g. Assessing risk of Small Island States & Exposed Coastlines



Preparedness and Response capabilities
12%

Disaster Risk Knowledge
19%

Warning, Dissemination and Communication
25%

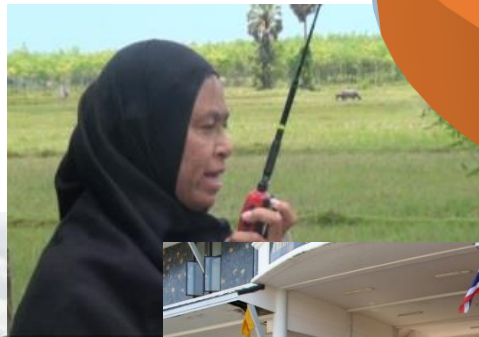
Detection, observations, monitoring, analysis and forecasting of hazards
44%

e.g. Raising Awareness in Makran Subduction Zone countries

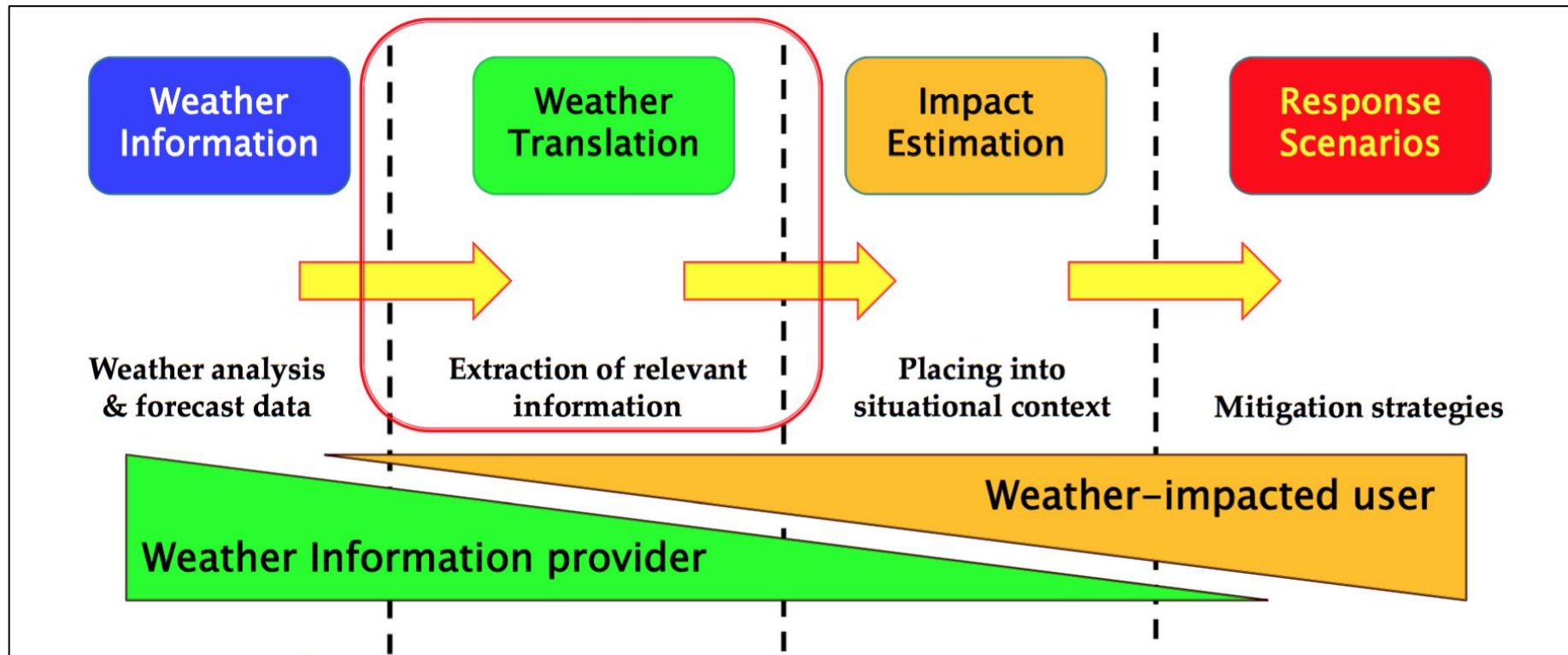


e.g. Warning Equipment in Vietnam, Myanmar & Philippines

e.g. 'Last Mile' in Thailand & Sri Lanka



Addressing unmet needs



RISK AND RESILIENCE PORTAL

An Initiative of the Asia Pacific Disaster Resilience Network

Bridging the science policy gap for informed disaster and climate action



Asia Pacific Risk & Resilience Portal

Bridging the science policy gap for
informed action

🔗 Data Explorer

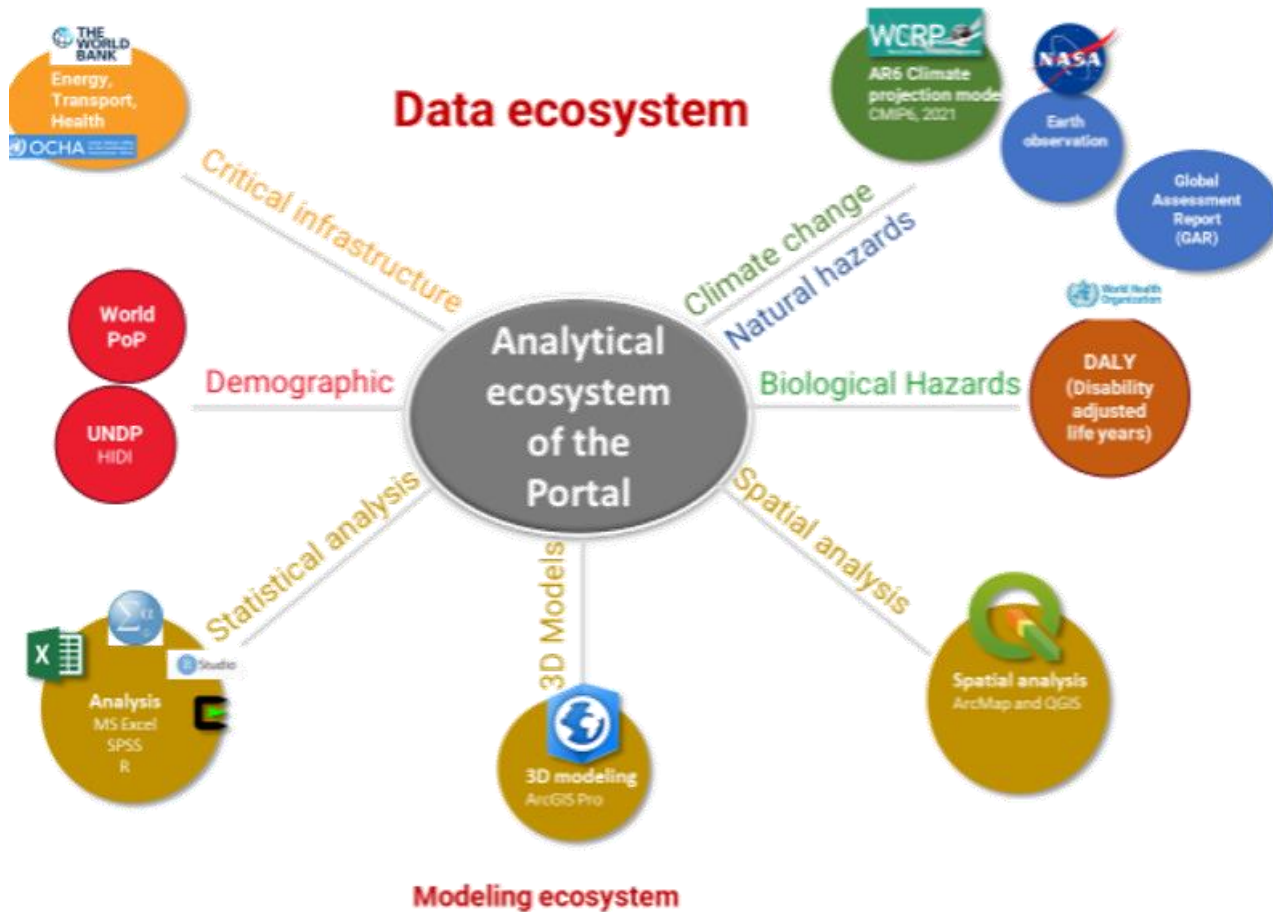
700+
Datasets

100+
Policy documents

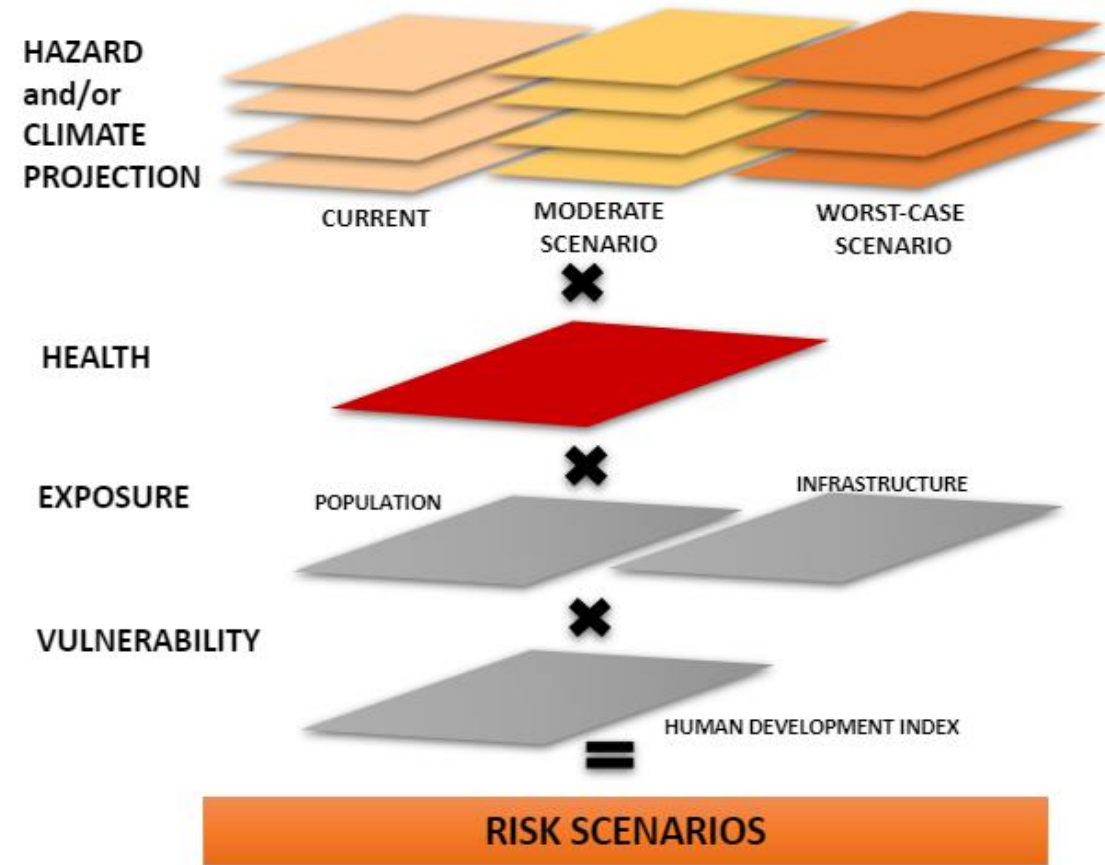


A Science-Policy-Action Interface is key to managing climate risk

ONE data ecosystem analyzing multiple datasets

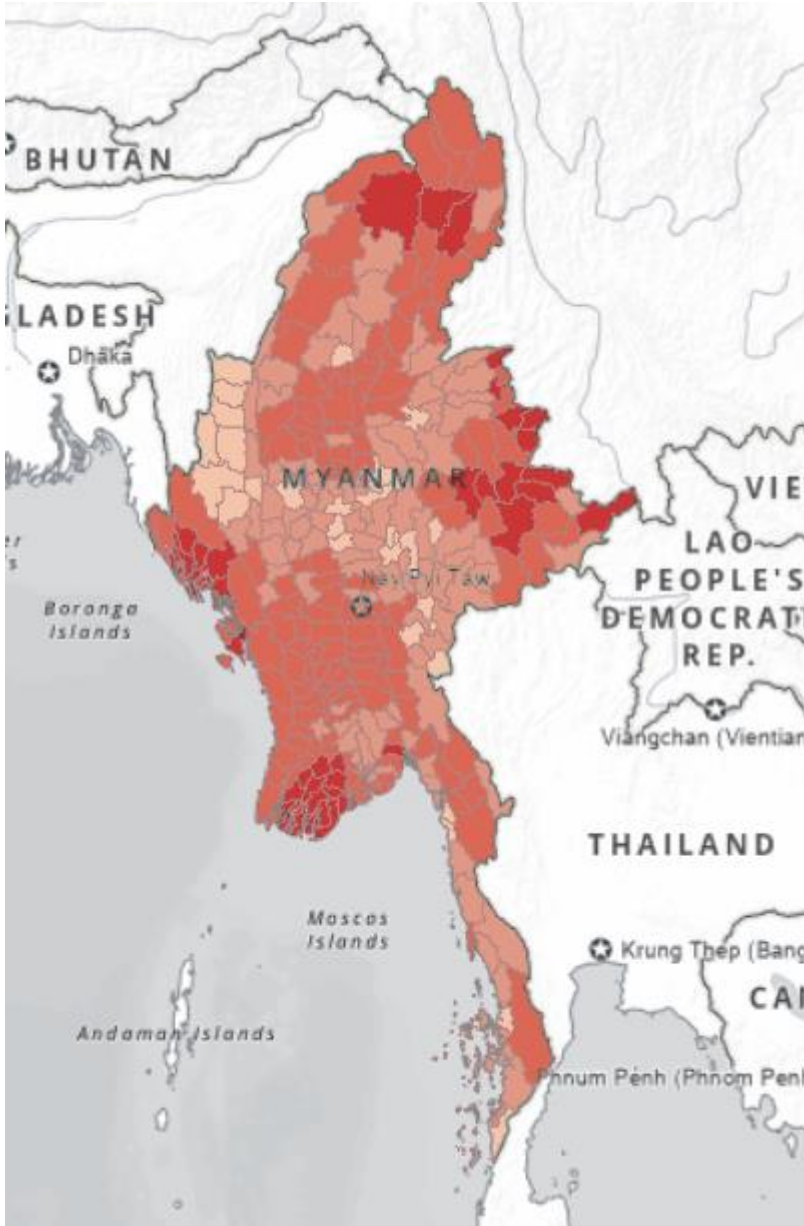


UNIQUE methodology to build climate and disaster risk scenarios



The Portal is built on a state-of-the-art data intensive and risk analytics

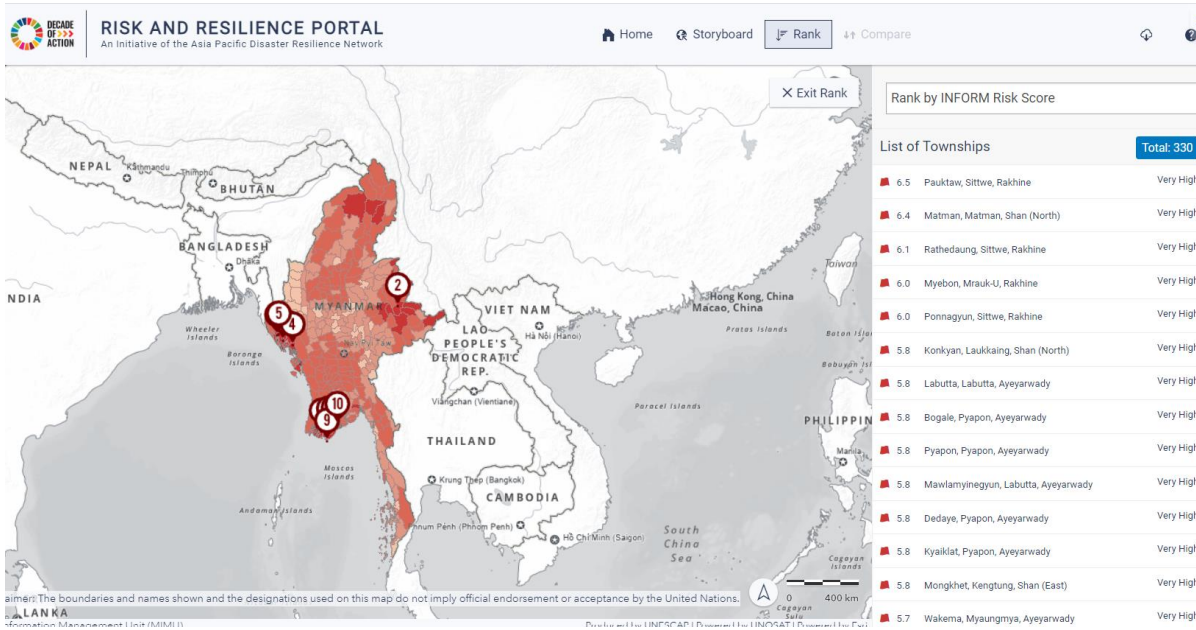
Subnational Level Risk and Resilience- A Prototype of Myanmar



The **Decision Support System** provides contextual analysis of variety of hazard, risk and vulnerability, socio-economic information to support informed decision making.

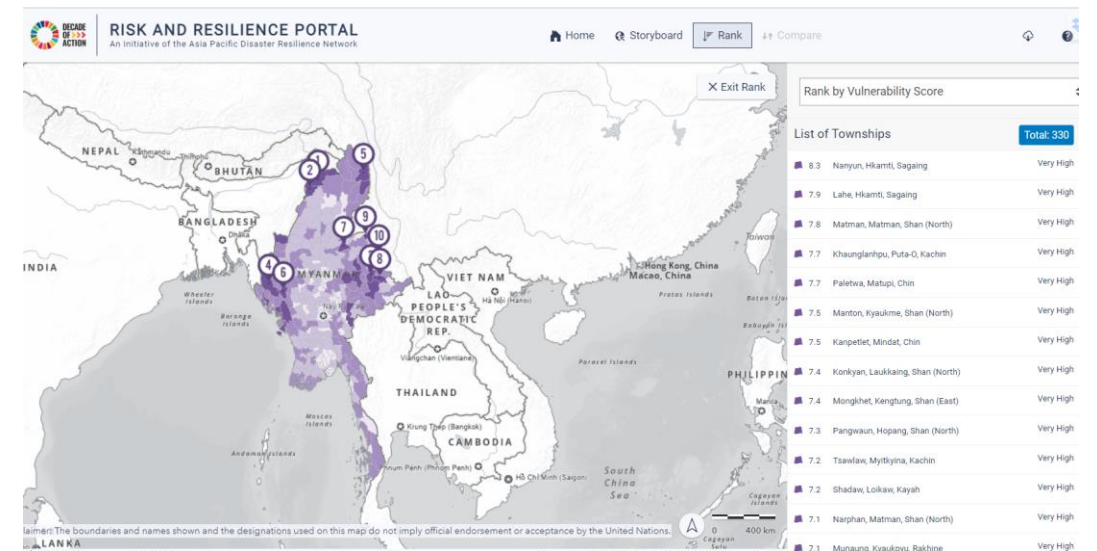
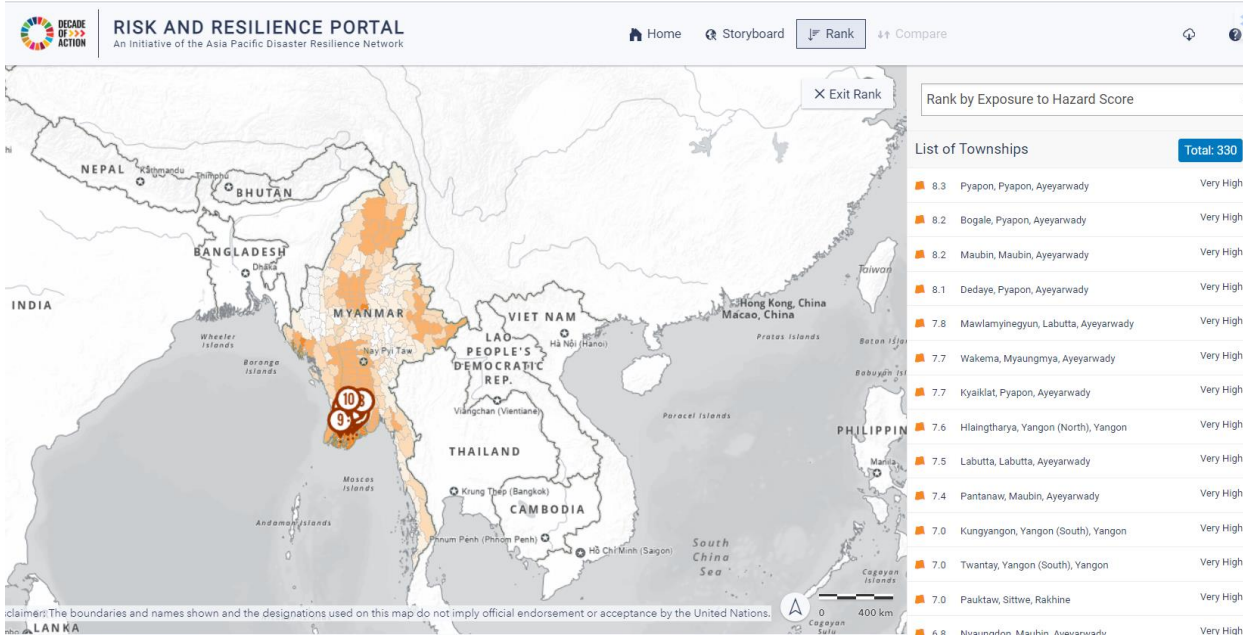
Using different tools, users can easily understand the location of risky areas, what makes them risky and finally identify the means for reducing and adapting to those risks.

Myanmar Subnational Level Risk and Resilience- A Prototype

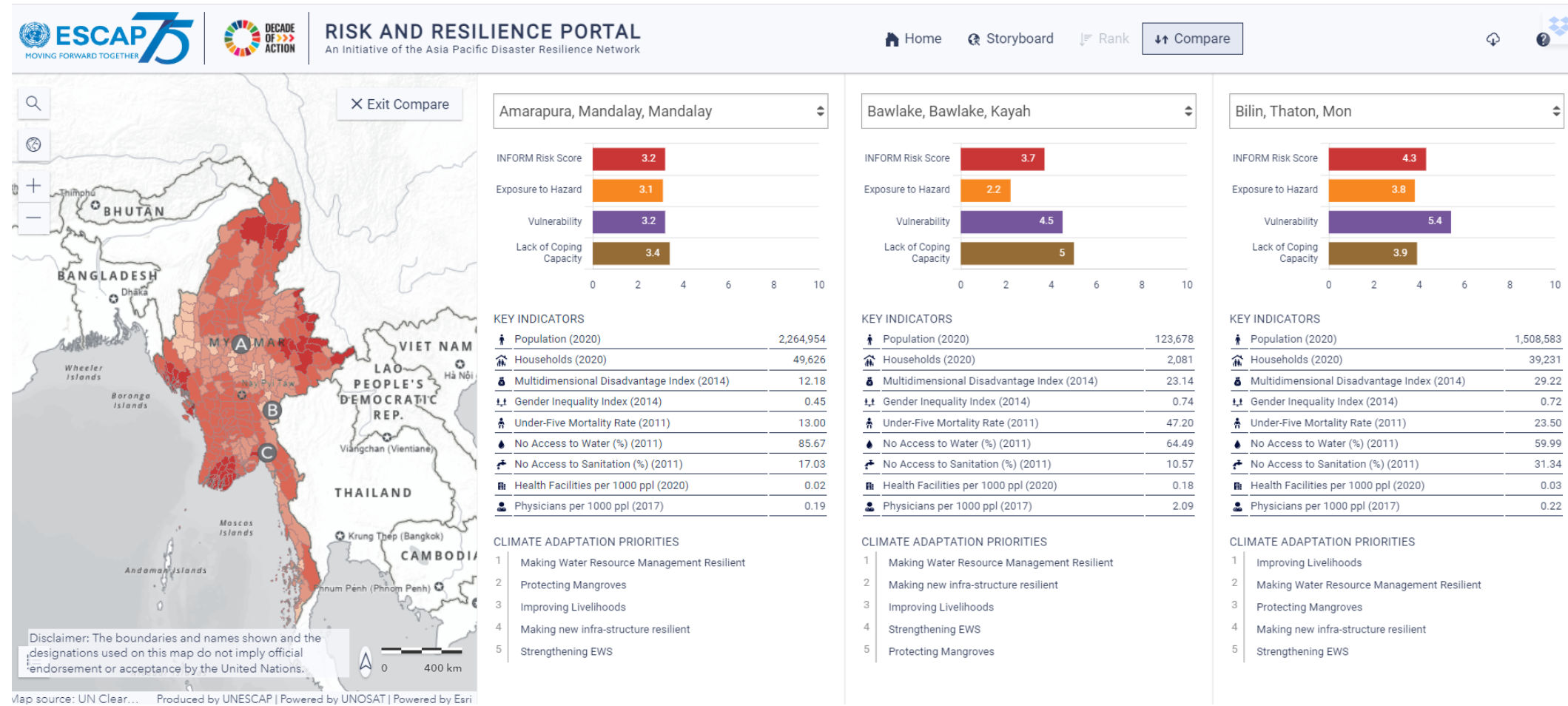


The **DSS system** can rank each district on a given dimension of exposure, vulnerability and coping capacity and can show where investments can provide the best benefit-cost ratio.

The total **Inform Risk Score** is aggregated to show district most susceptible to disasters.



Myanmar Subnational Level Risk and Resilience- A Prototype



The **DSS system** can also compare multiple districts dimensions of exposure, vulnerability and coping capacity and can show where investments can provide the best benefit-cost ratio.

This can provide evidence base for policymakers at the district level to secure funding and for making risk informed decision at all levels

Key Messages:

- (1) **People at the centre. Advocate for policies to reflect the need to build capacity at the local levels. Tsunami Ready Programme is a great example of this.**
- (2) **Strengthening early warning systems is an extremely cost-effective adaptation measure. Major gains for little \$\$ when compared to response. Use data to help tell this story and inform financial planning.**
- (3) **With our riskscape changing, we need to move from single to multi-hazard preparedness. The region has a lot to learn from Tsunami preparedness practitioners!**
- (4) **When the hazard is transboundary in nature, so too must be our solutions. Let's work together and through sub-regional/multi-lateral organisations to sustain the impact of our work.**



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THANK YOU

