



Asian Disaster Preparedness Center

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Senior Technical Specialist

Building Resilience through Innovation and Partnership

adpc

HISTORY

1986

Established at the initiative of UNDP,
UNOCHA and WMO
Served as the Outreach Center of
Asian Institute of Technology (AIT),

1999

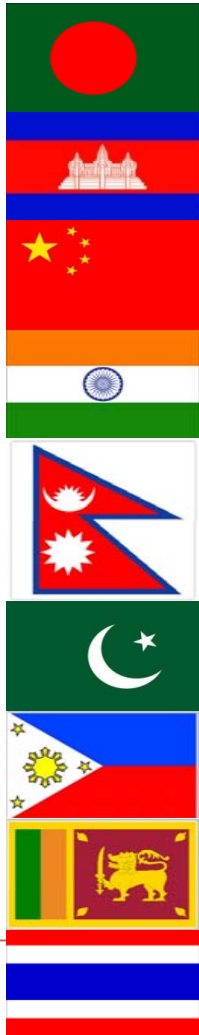
Independent international foundation
Implementing own programs & projects

2005

Inter-governmental charter signed
With 9 member countries

2011

Celebrating its 25 years of DRR works
Currently more than 60 staff



ADPC Country Offices



Bangladesh
Dhaka

Myanmar
Yangon



Lao PDR
Vientiane

our **mission...**

To **reduce** the impact of **disaster and climate risk** on communities and countries in the **Asia-Pacific** region by working with governments, development partners and stakeholders.

our **role...**

Supporting **disaster risk reduction** in order to achieve a **safer** Asia-Pacific.

our **work...**

- Climate Change and Climate Risk Assessment
- **Disaster Risk Assessment and Monitoring**
- Disaster Risk Management Systems
- Public Health in Emergencies
- Resilient Cities and Urban Risk Management
- Safer Development Planning and Implementation

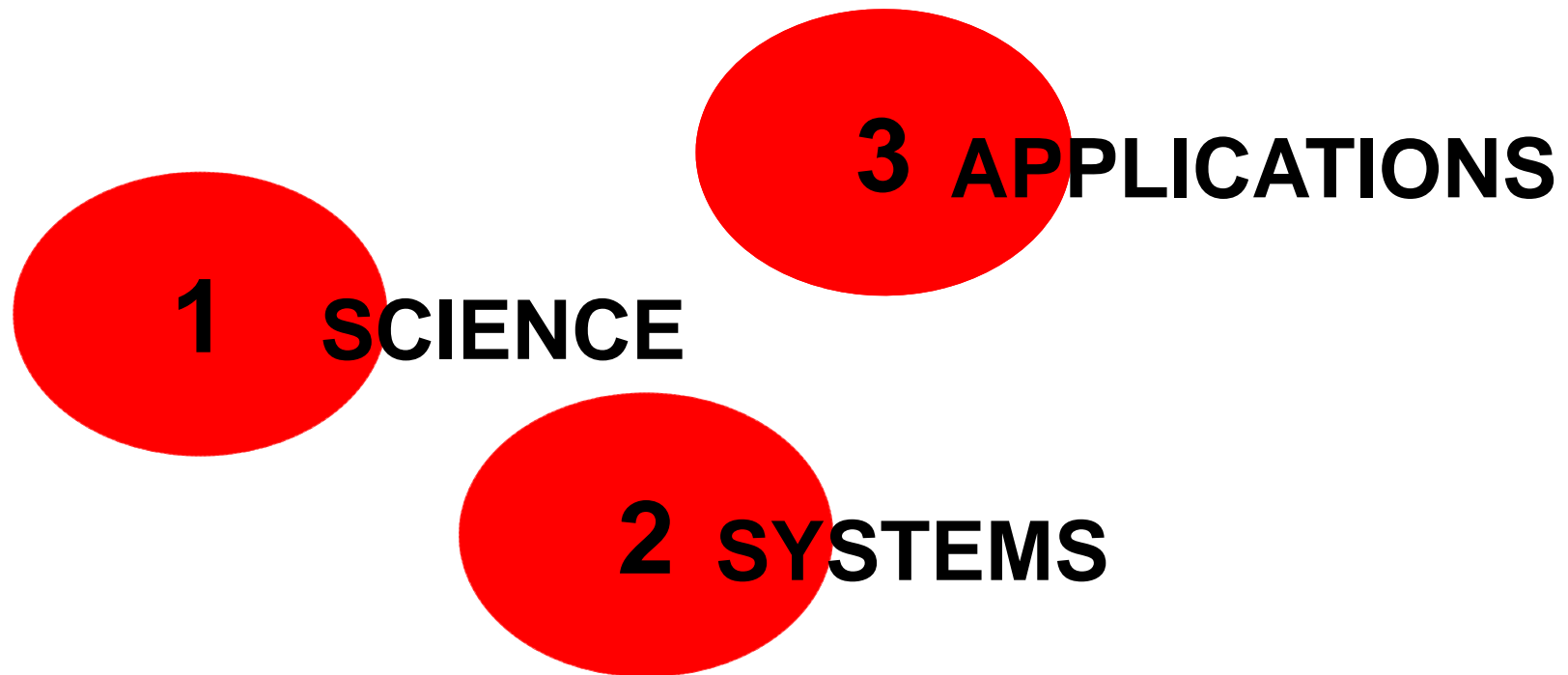
Role of RCC

Providing informal consultative mechanism for:

- Development of **action strategies for DRR** in the region
- Promotion of **co-operative programs on a regional and sub-regional basis**
- Guidance for the **work of ADPC for its future direction**
 - RCC 1 : Bangkok 2000
 - RCC 2 : Bangkok 2001
 - RCC 3 : New Delhi 2002
 - RCC 4 : Dhaka 2004
 - RCC 5 : Hanoi 2005
 - RCC 6 : Kunming 2006
 - RCC 7 : Colombo 2008
 - RCC 8 : Manila 2010
 - RCC 9 : Cambodia 2011



our **approach**...



1 Science:

We use a **SCIENCE** based approach to build communities' resilience to disasters, throughout Asia.





2

Systems:

To strengthen response systems, ADPC technically supports and develops national and sub-national **Disaster Risk Reduction** action plans, laws and polices.

Improved and grounded **application** of
risk reduction in **development**

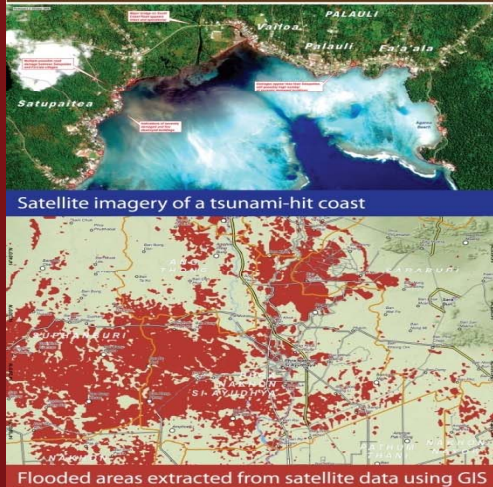
3 Application:



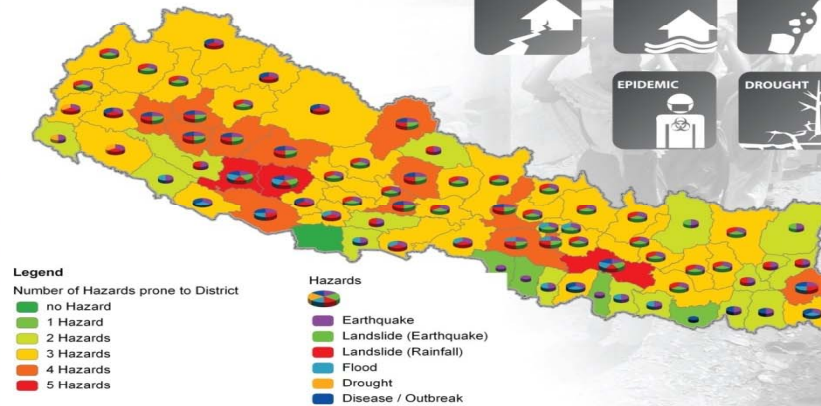
At ADPC, we **apply** our knowledge
to ground Risk reduction measures
in development.

▶ **How we use geo-information technology and contribute in DRM**

Utilizing remote sensing, GIS technology, and other advanced tools for disaster risk assessment



Multi-hazard Mapping for National Development Planning



Quantifying Earthquake Risk for Cities and Supporting Vulnerability Reduction Measures



Disaster Risk Assessment and Monitoring

Bringing sciences, society, and institution together for disaster risk reduction

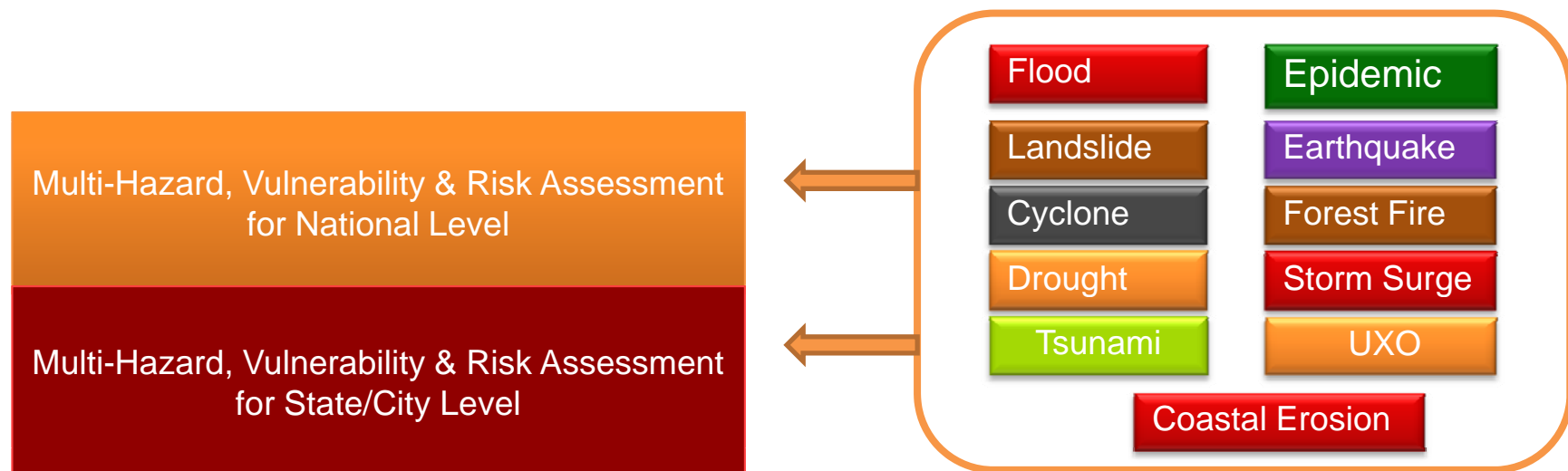
- Developing advanced methodologies and tools for risk modeling
- Conducting hazard, vulnerability and risk assessments
- Profiling disaster risk for disaster management planning
- Assessing damages and economic losses from disasters, and estimating future loss given disaster scenarios.
- Promoting the use of risk assessment for risk mitigation and risk transfer
- Building capacities and promoting knowledge transfer

We can conduct risk assessments for a variety of hazards including: earthquakes, floods, storm surge, droughts, epidemics, and landslides.

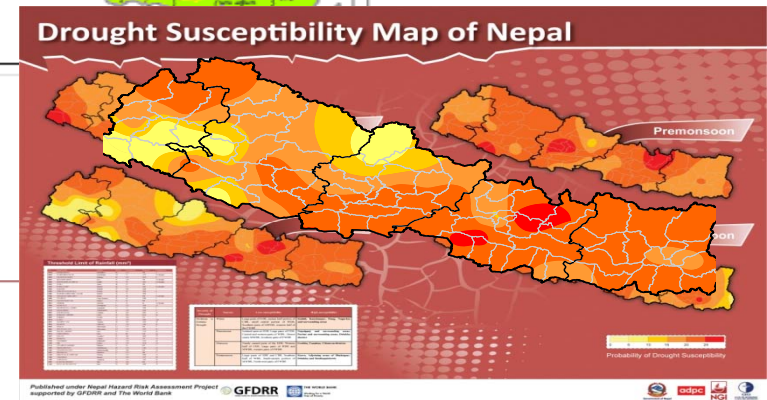
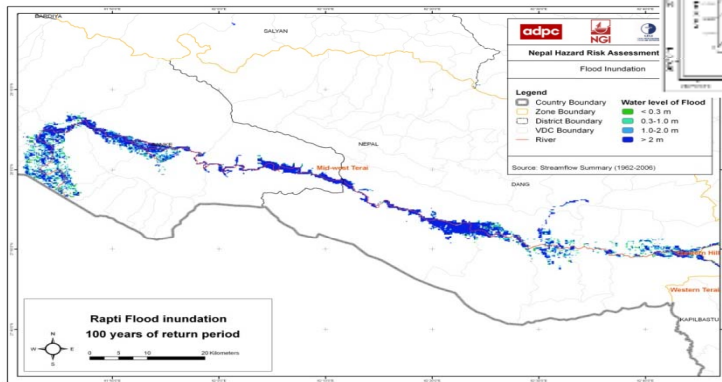
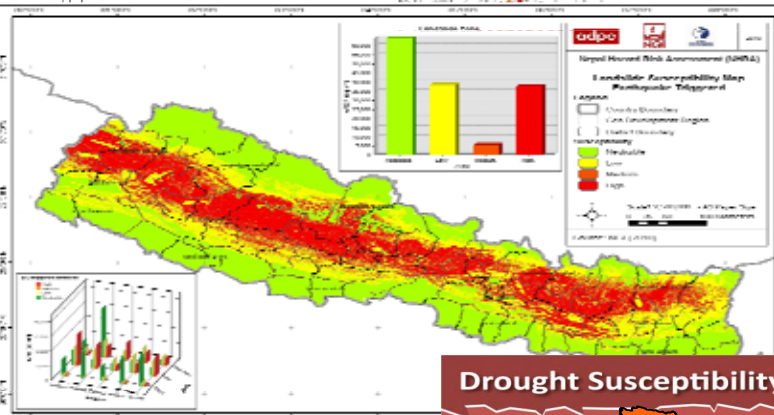
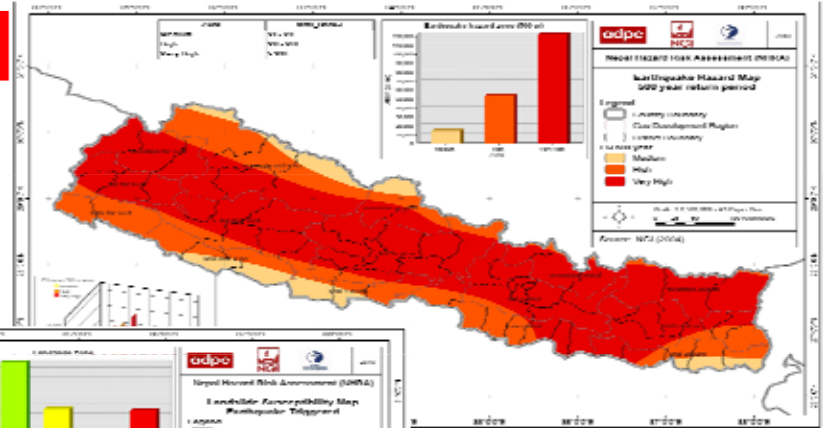
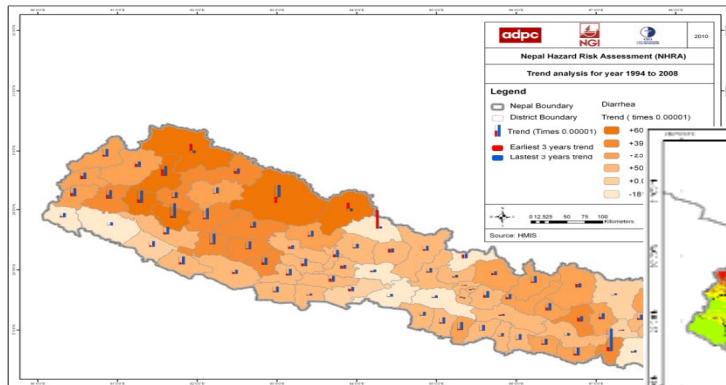
Our risk assessments have been used for contingency planning, disaster mitigation planning, vulnerability reduction planning, and developmental planning.

DRAM

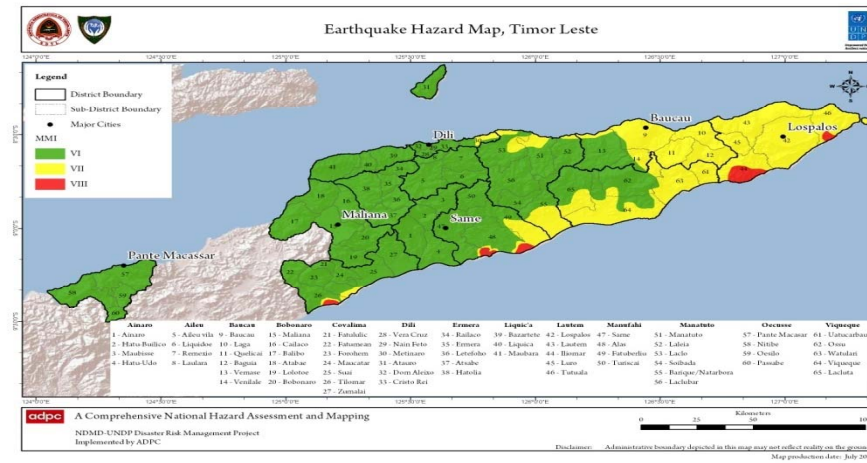
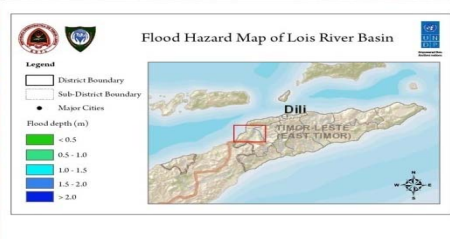
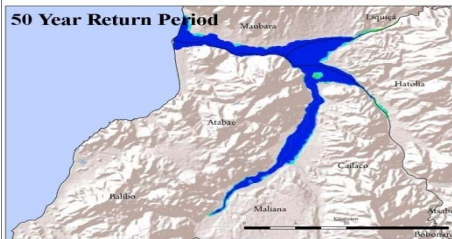
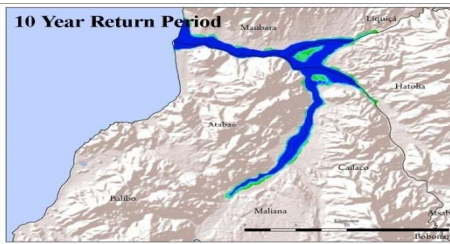
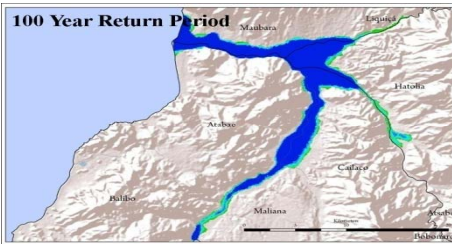
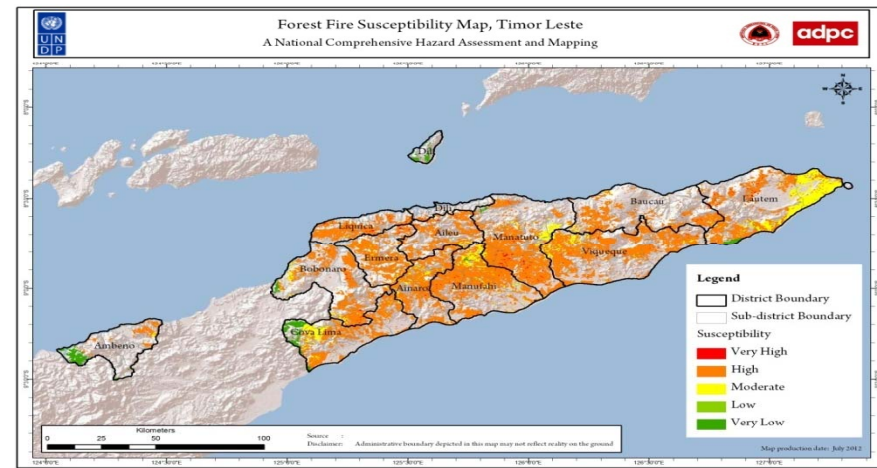
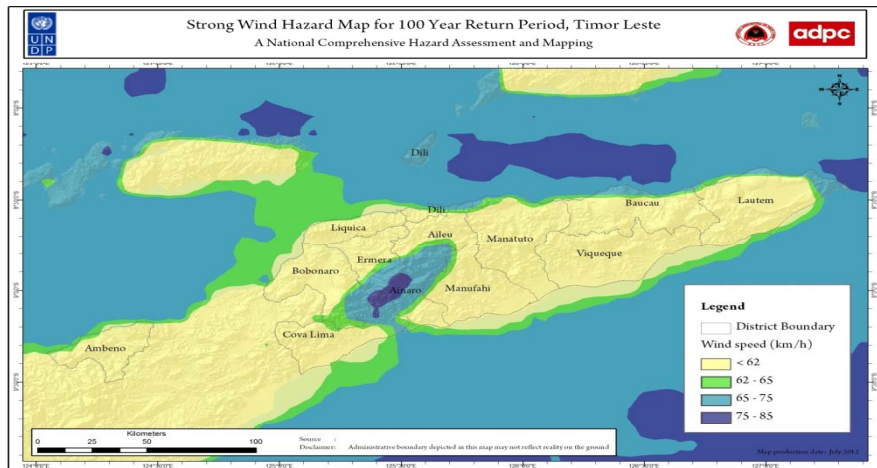
Application of Geo-Information Technology for Disaster Management

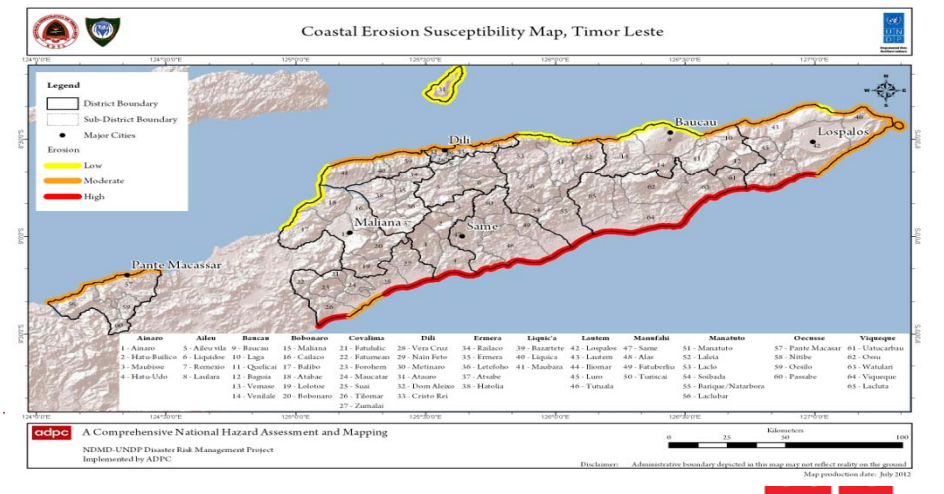
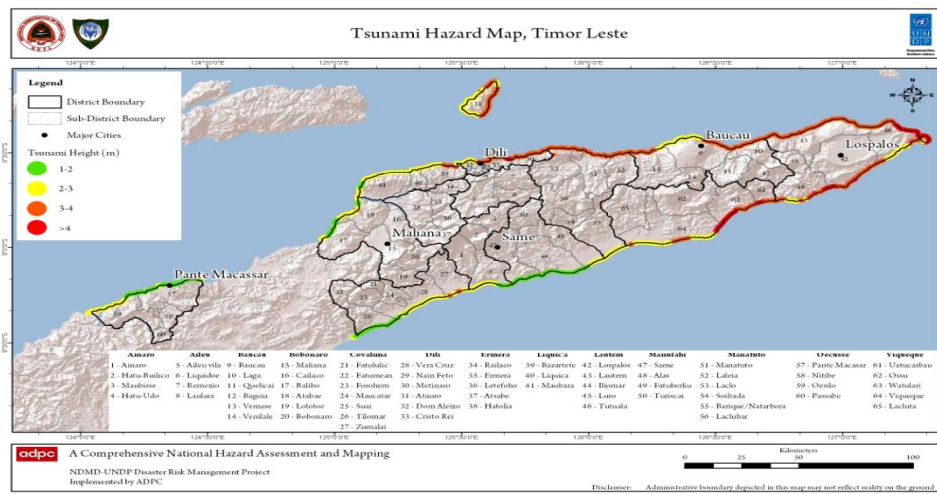
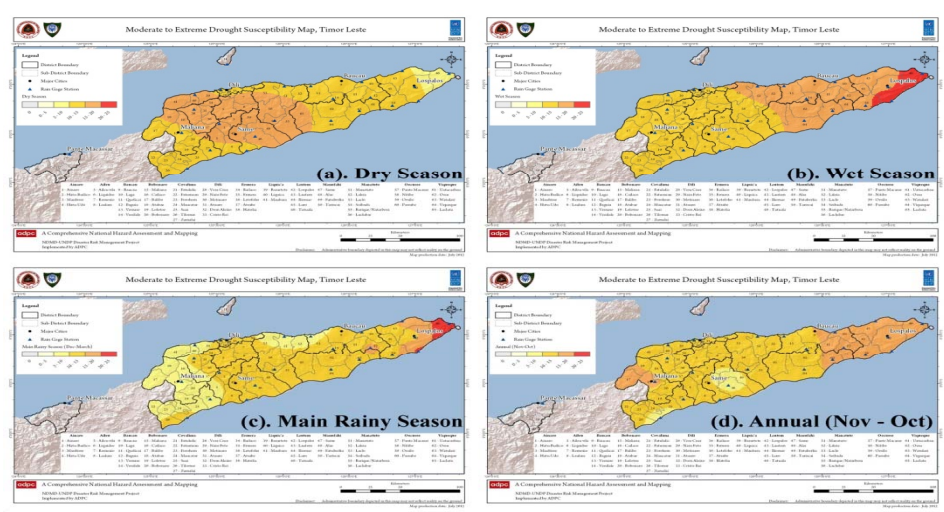
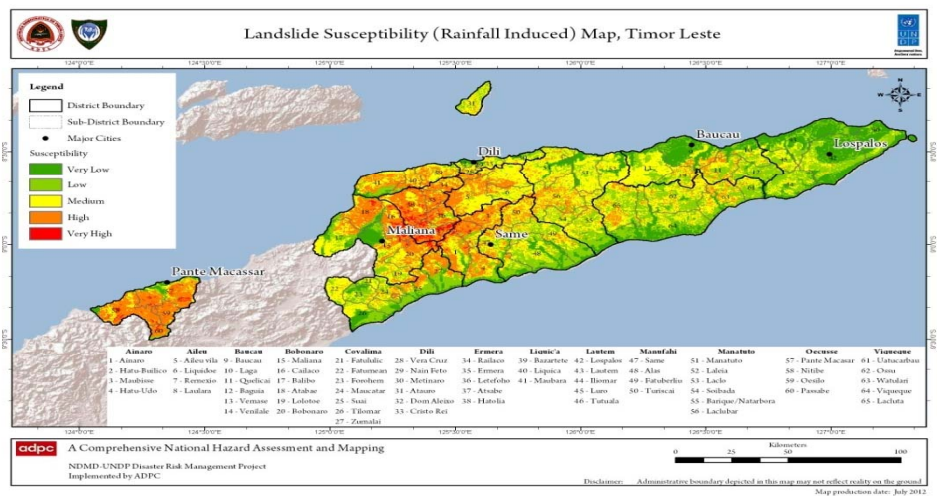


Nepal Hazard Risk Assessment (national scale)



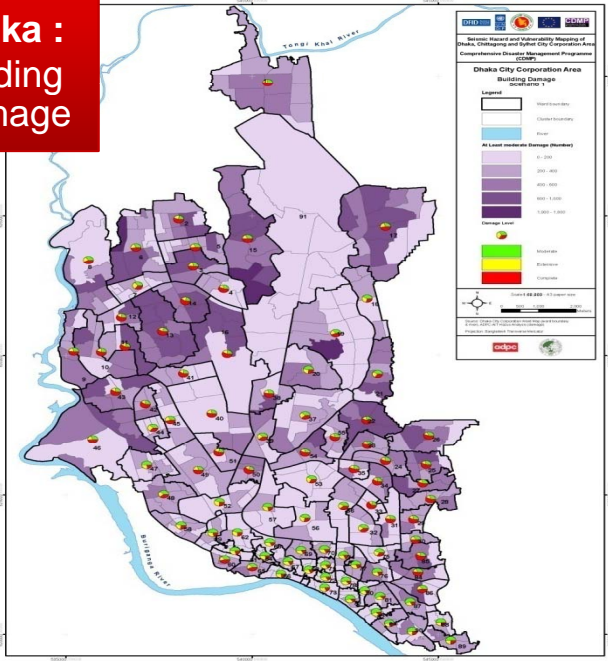
National Risk Profile of Timor Leste (national scale)



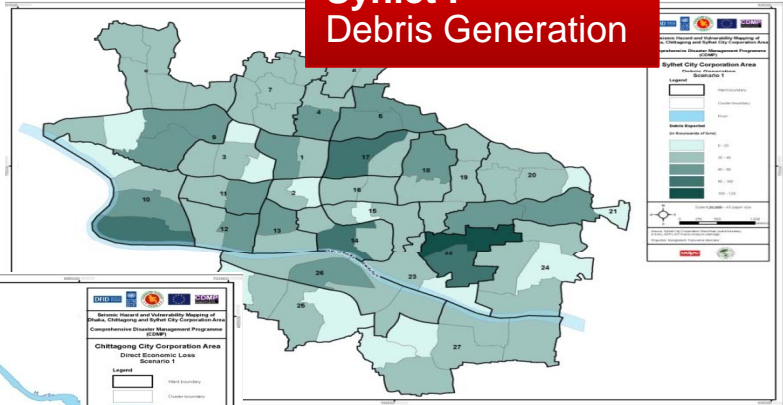


Disaster Risk Assessment for City Level

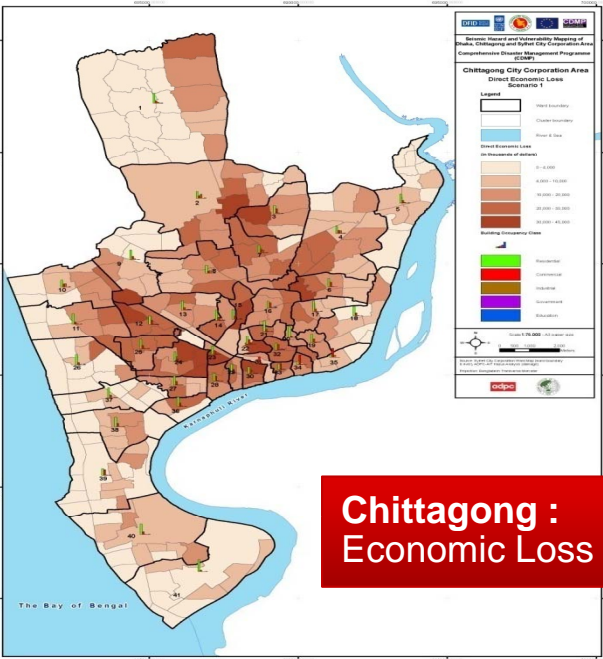
Dhaka :
Building
Damage



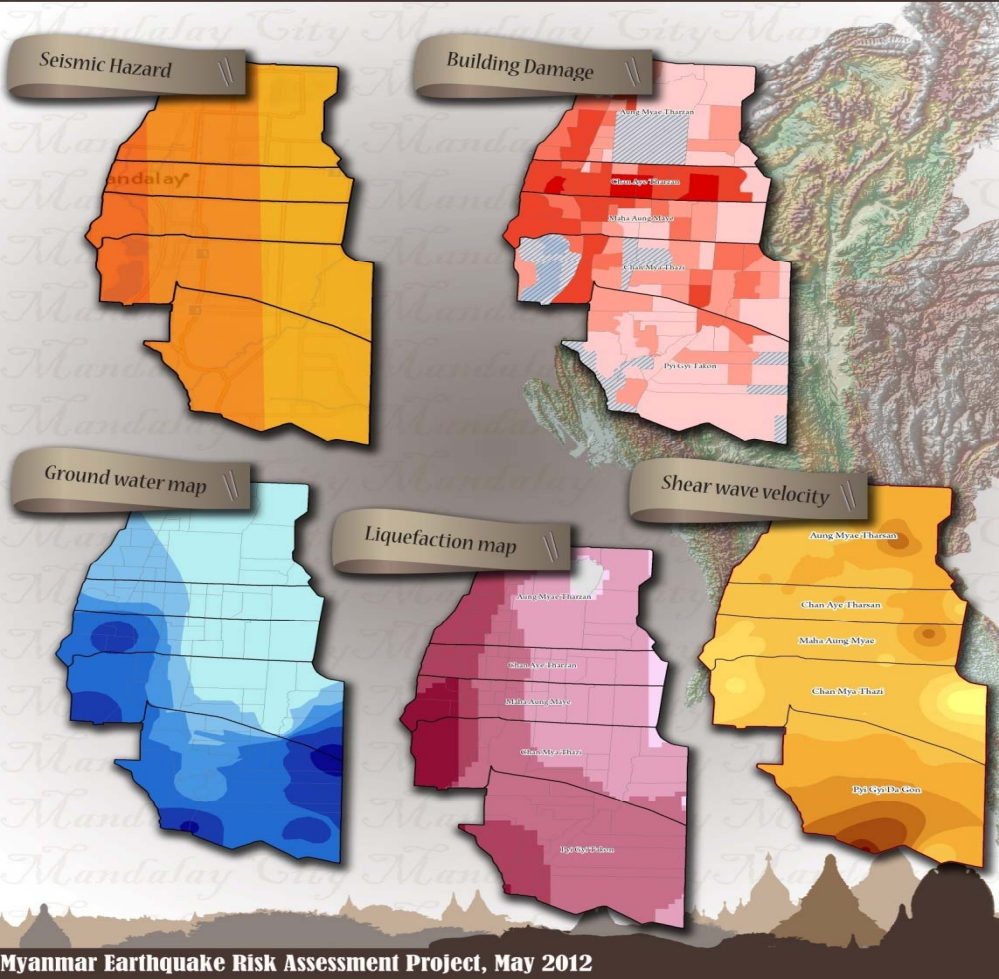
Sylhet :
Debris
Generation



Chittagong :
Economic
Loss



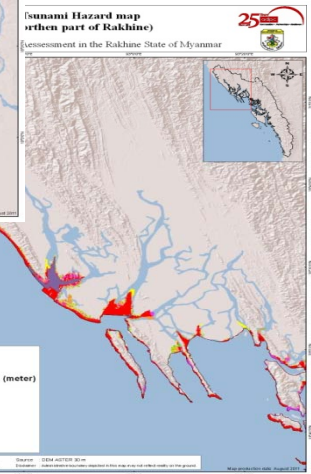
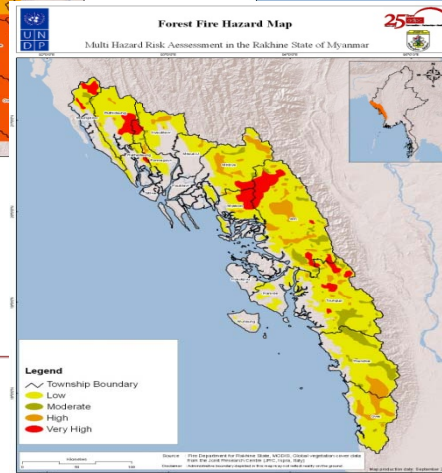
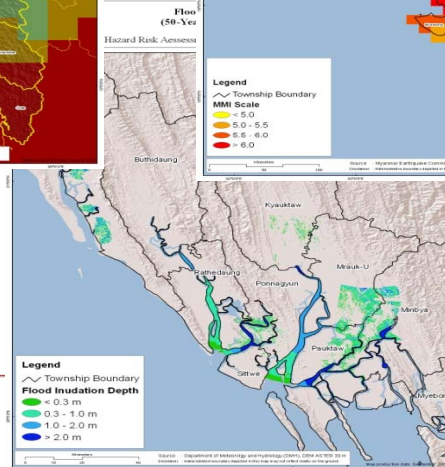
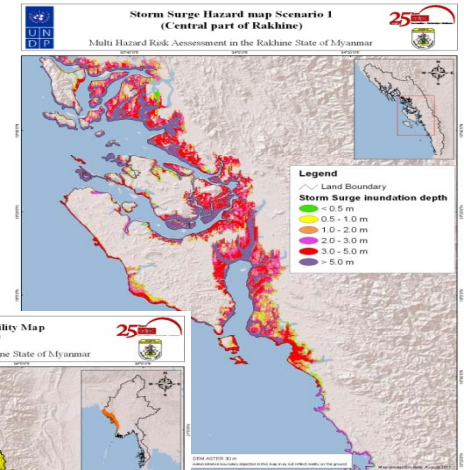
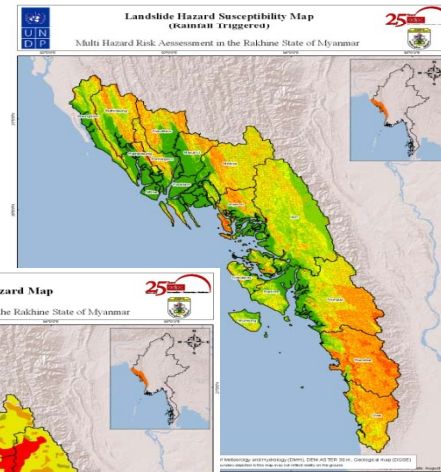
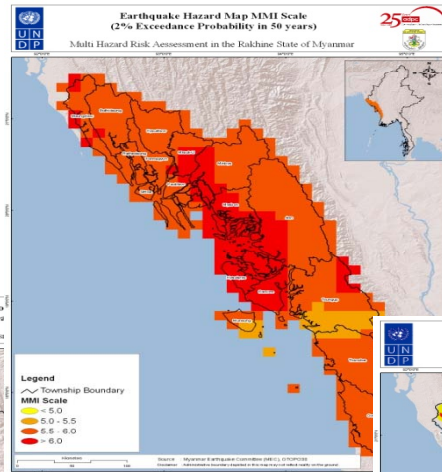
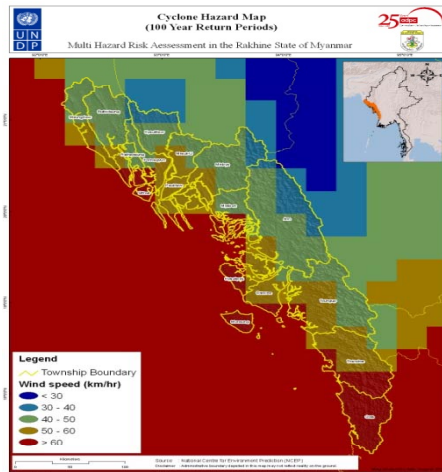
Earthquake Risk Assessment of Mandalay City, Myanmar



Myanmar Earthquake Risk Assessment Project, May 2012



Multi-Hazard Risk Assessment in Rakhine State - Myanmar



- ➡ **How we can contribute**
- ➡ **Possible Challenge**

THANK YOU
FOR YOUR ATTENTION

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<http://www.adpc.net>



<http://www.drrprojects.net>



Group: Asian Disaster Preparedness Center



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