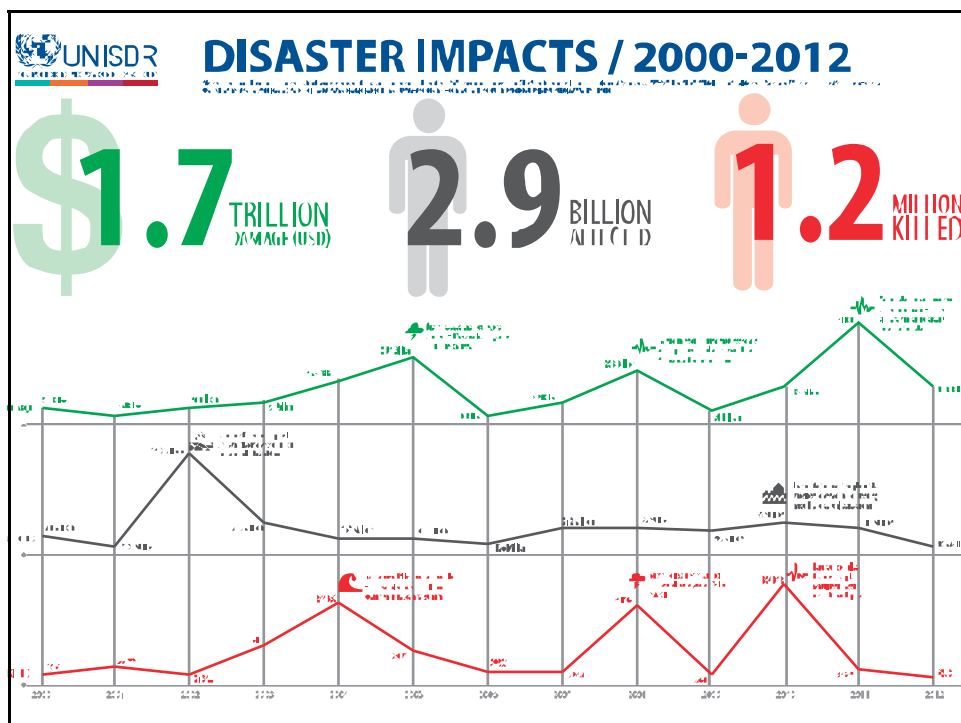




Asia-Pacific Disaster Trends: Facts and Risk Drivers

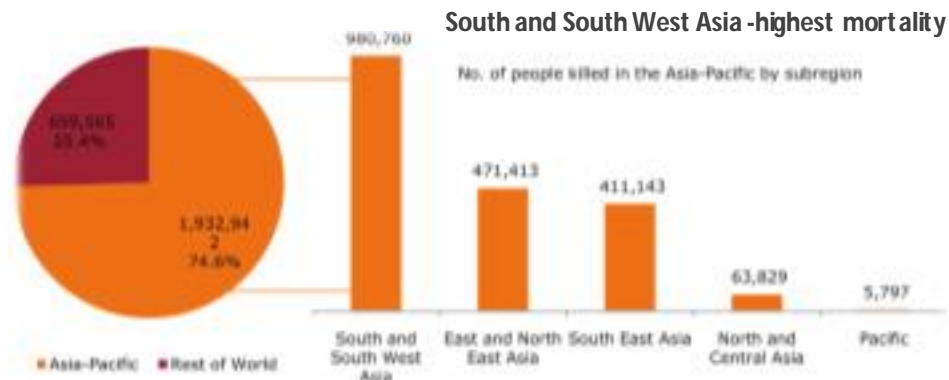
**Asia-Pacific Meeting on Disability-inclusive
Disaster Risk Reduction: Changing Mindsets
through Knowledge**

**22-23 April 2014
Sendai, Japan**





Most deaths due to disasters are in the Asia-Pacific region...

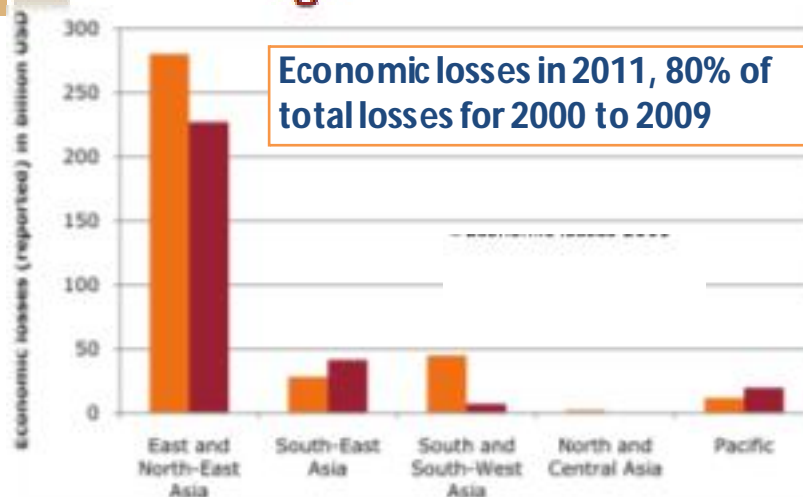


75% of global disaster deaths (1970 -2011) from Asia Pacific

Source: Asia Pacific Disaster Report 2012



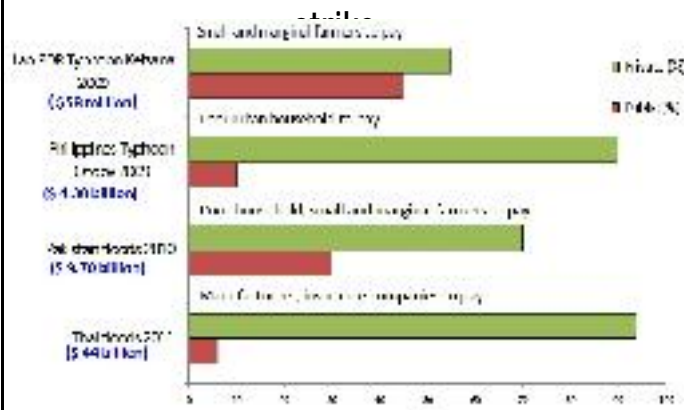
Economic losses due to disasters increasing...



Source: Asia Pacific Disaster Report 2012

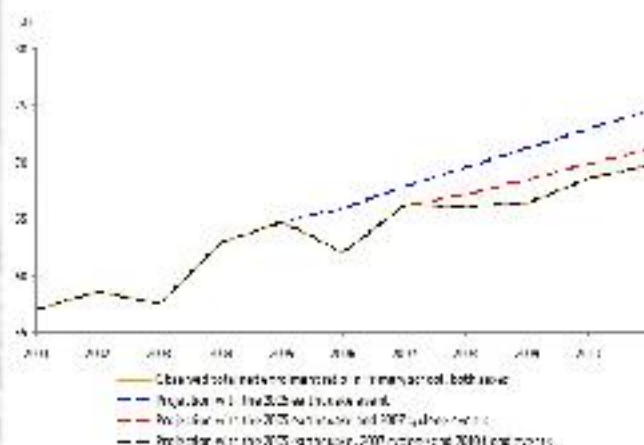
Who pays for disaster losses?

Often in developing countries the poorest pay the most when disasters

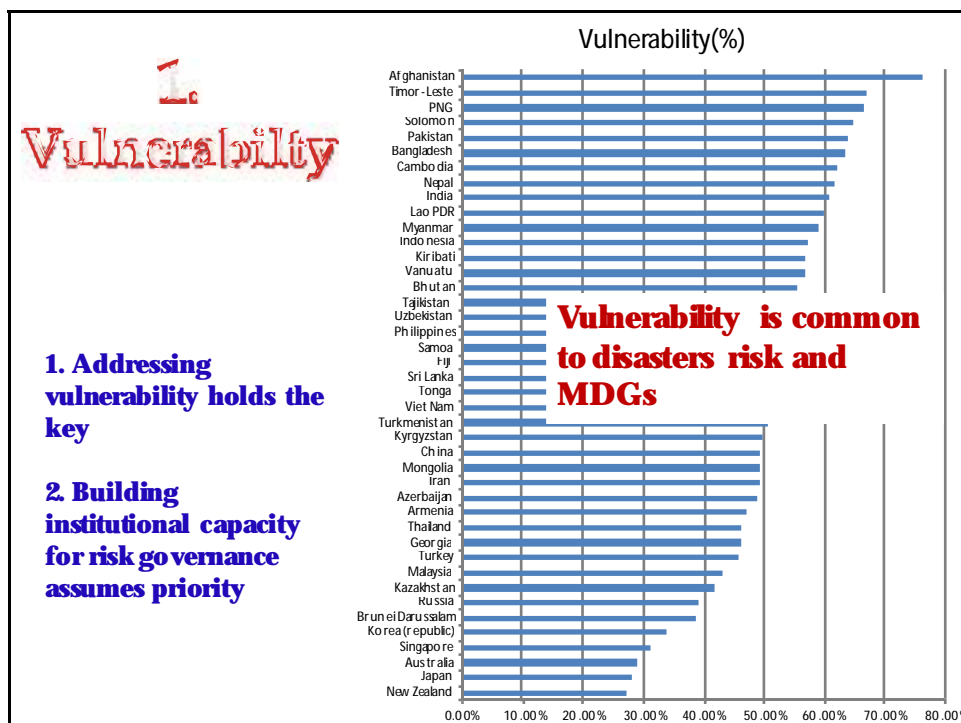


Progress towards achieving the MDGs is undermined

Primary school enrolment dropped after disasters in Pakistan



Drivers of Disaster Risk



Cyclone Nargis, Myanmar 2008

Effects on the People

Death Toll: More than 84,000

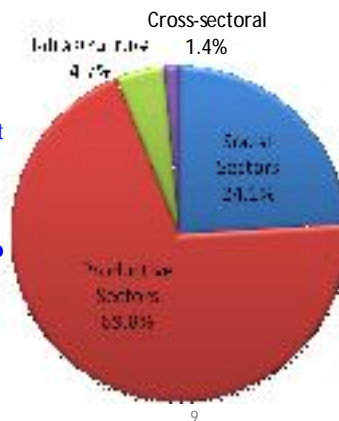
Affected population: 2.4 million

Damage and losses of :

- US\$ 2,806 million to productive sector hit hardest to MDG 1 – poverty & hunger ;
- US\$ 968 million to social sector to MDGs 2,4 and 6;
- US\$ 190 million to infrastructure sector to MDG 1 and 7

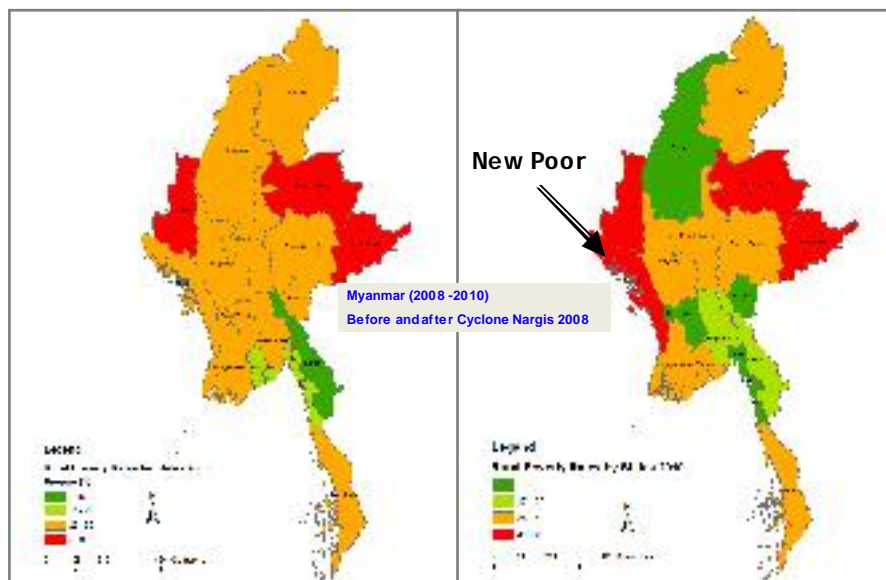
Effects on Economy: \$ 4,021.6 million

Effects on GDP 21%



LDC graduation process for Myanmar prolonged further due to Nargis

Disasters led to Poverty Incidents



2. Urbanization ..Exposure

Many urban risk hot spots...+ climate change



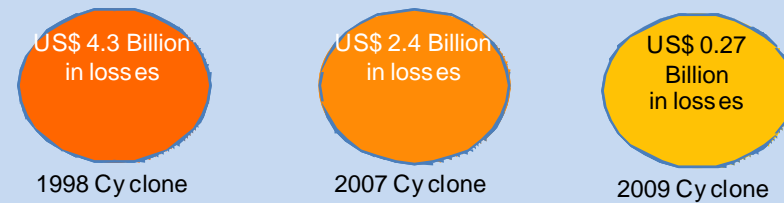
Of the 305 urban agglomerations, 119 are situated along coastlines, large number of cities with high seismic risk

Drivers of Change

- Reducing Disaster Risk and Building Resilience



1. Investing in DRR reduces vulnerability,...



Investments to raise agricultural productivity in low lying areas, flood protection & drainage in urban areas, irrigation schemes to enable dry season crop, coastal 'greenbelt' projects.

Bangladesh's DRR investments over 35 years



2...also, setting targets helps design DRR investments

2.38% of GDP/year due to disaster losses

Past 20 years

Reduce to 1.5% of GDP/year in losses

By 2015

Investments in early warning, risk assessment, ICT for DRR, CBDRM, education and awareness

Putting in place 'tangible goals' may stimulate ..



3....and social vulnerabilities can be reduced by investing in social protection...

Building social resilience by safety nets that are sustained, long term, complementary with climate change measures, with flexible financing and elements of contingent targeting so that they can be scaled up for episodic shocks

4..And Early Warning System proves game changer: Regional cooperation works

Evident from

- 1. Response to Cyclone Nargis (2008) and Giri (2010)**
- 2. Afghanistan Drought 2008**
- 3. Improved lead time flood forecasts in Pakistan, Bangladesh..**
- 4. Innovative use of space, ICT and Social Media....**

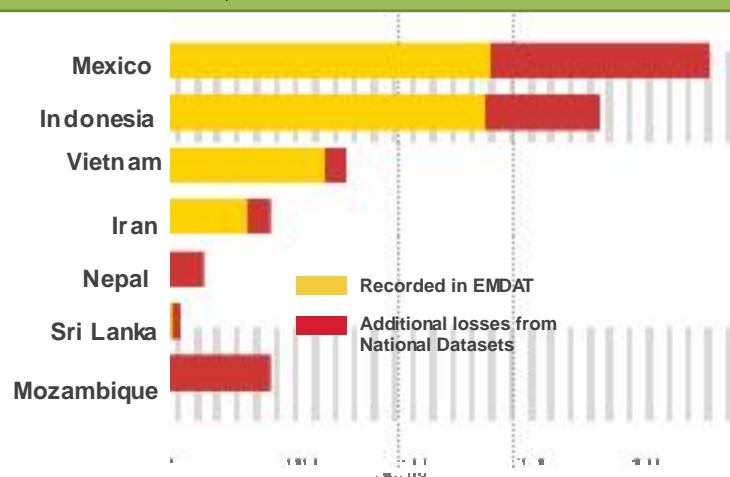


New Opportunities

- Making DiDRR more effective

New Opportunity: Post-disaster database/statistics with DiDRR embedded uniform standard, format..

Direct economic losses as estimated from national and global loss database, 1981-2011





Early Warning, Satellite Navigation, Emergency Communication and Satellite imagery products.. Opportunity for DiDRR

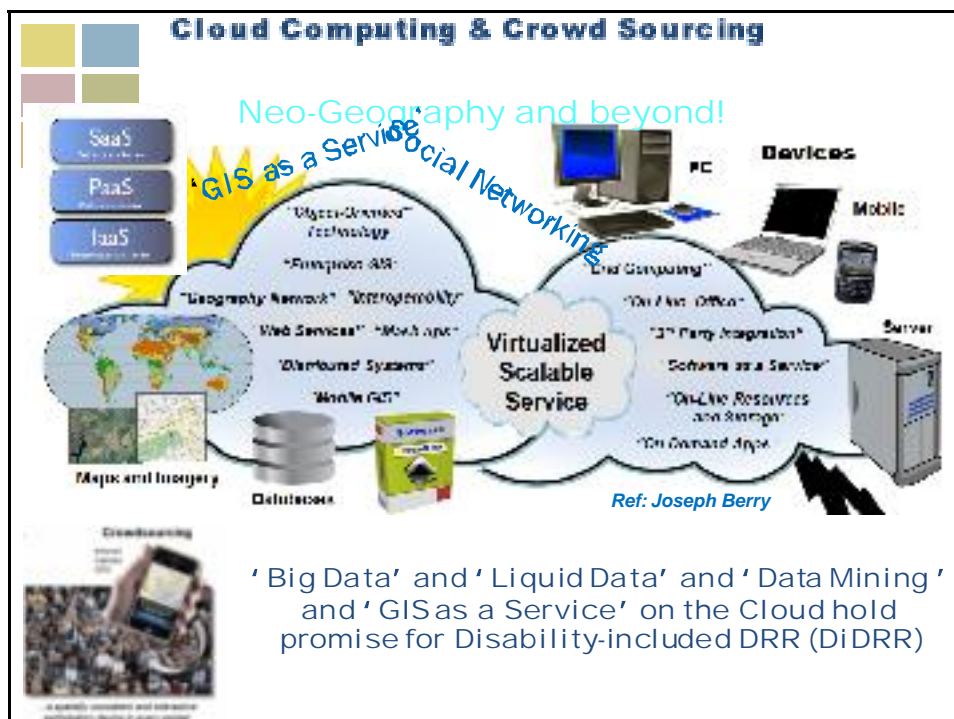
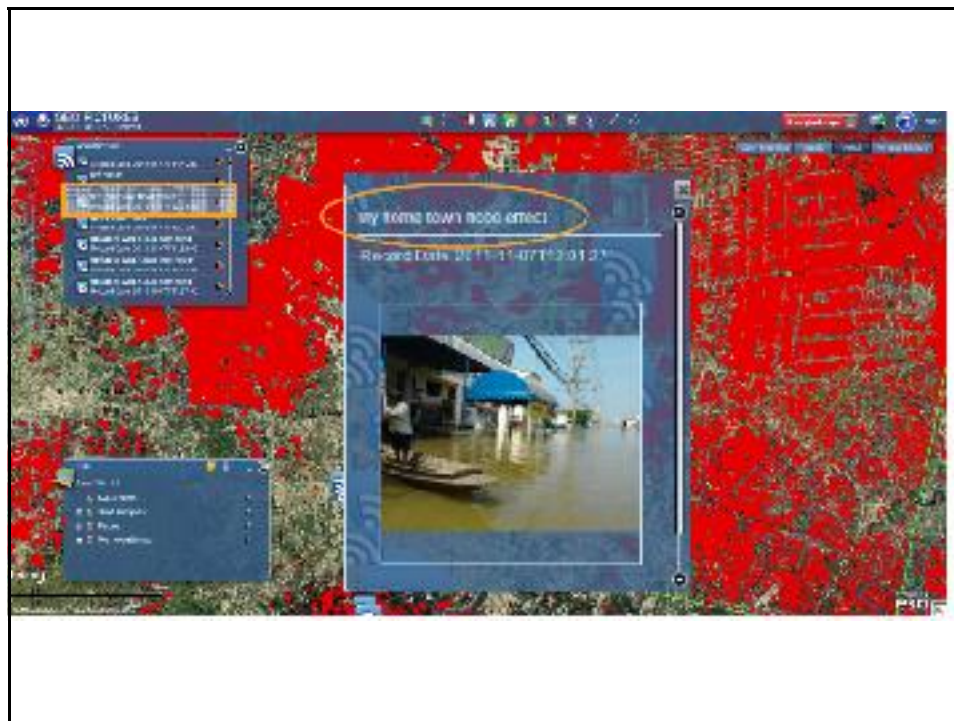
Thailand floods 2011

Sharing of flood extent vectors
Crowd-sourced geo-photo display

geophotos

ansur

0-11-15-20 16,20,20 UTD Local 0 43.9294 E 160.2401





Thank you

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