



United Nations
International Strategy for Disaster Reduction

Promoting Disaster Risk Reduction in Recovery and Reconstruction after Disasters

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for Disaster Reduction (UNISDR)



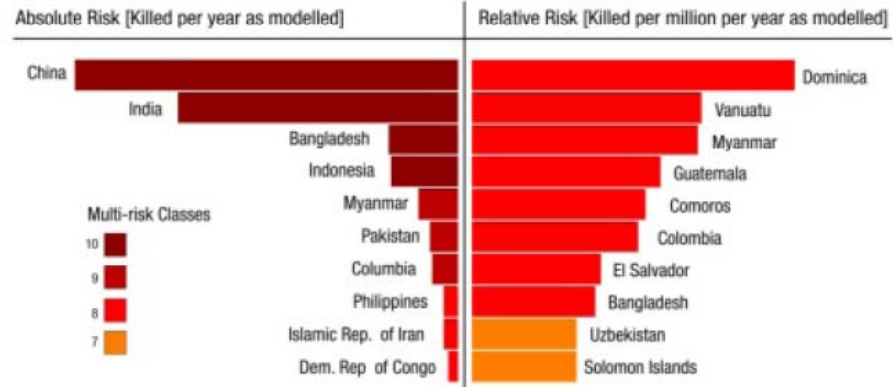
Disasters are...



Disaster risk is intensively concentrated



Absolute and relative multi-hazard mortality risk



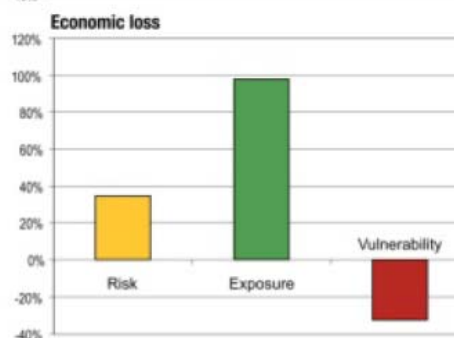
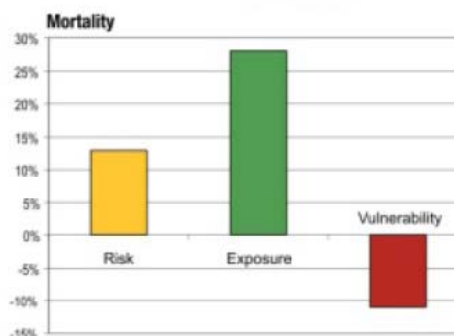
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..... is increasing globally

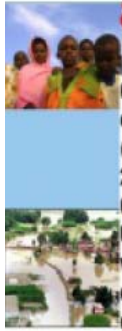
Increase in global flood risk 1990-2007



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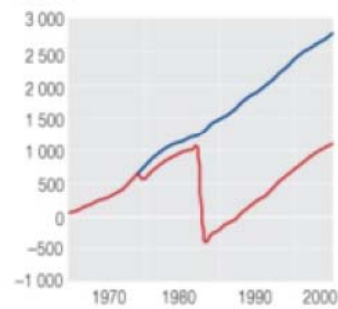
and..... hits small countries hardest.



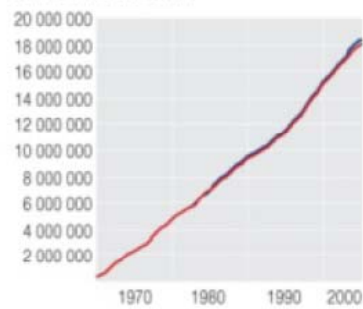
Cumulative net capital formation (NKF) from 1970 to 2006, in Millions of Constant 2000 USD, with and without the effect of economic disaster loss

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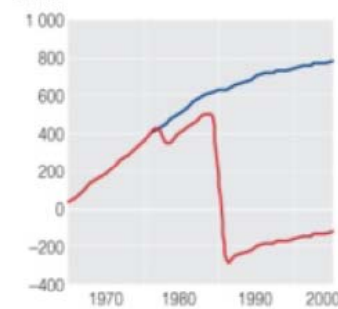
St. Lucia



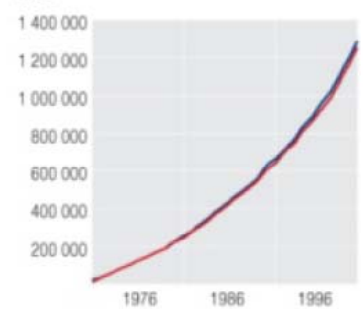
United States of America



Samoa



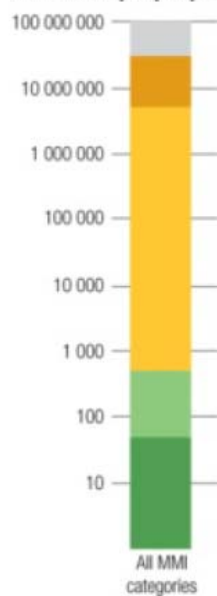
India



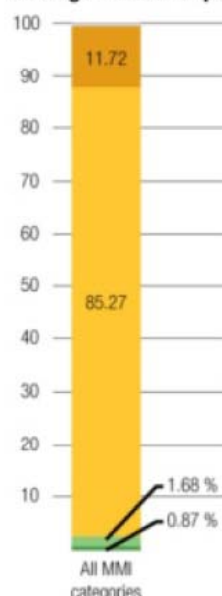
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... driven by economic growth and weak governance

Exposure to earthquakes
Number of people per year



Modelled fatalities from earthquakes
Average number of people killed per year, percentage



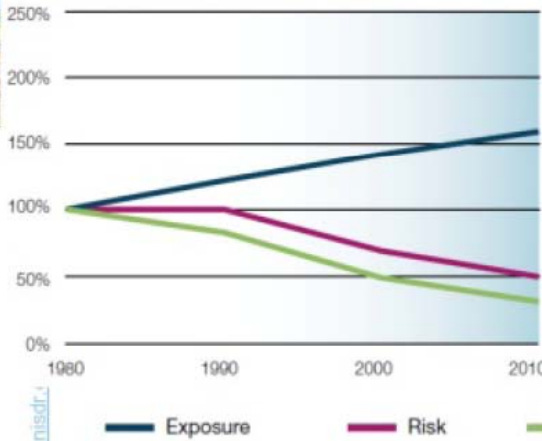
No data
Low income (GNicap < US\$ 935)
Lower middle income (US\$ 936 < GNicap < US\$ 3 705)
Upper middle income (US\$ 3 706 < GNicap < US\$ 11 455)
High income (GNicap > US\$ 11 456)

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... leading to falling mortality – but rising economic loss risk

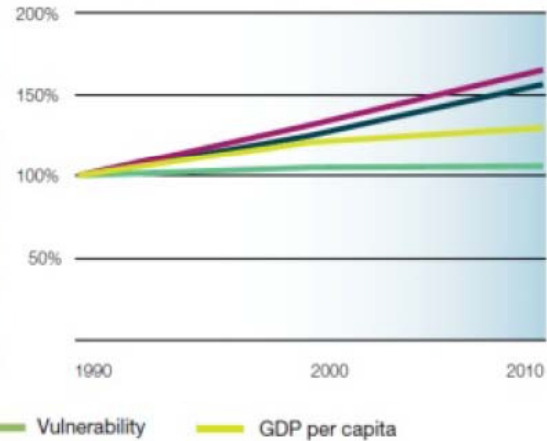
Cyclone mortality risk

Percent change (East Asia and the Pacific (EAP))



Flood economic loss risk

Percent change (OECD countries)



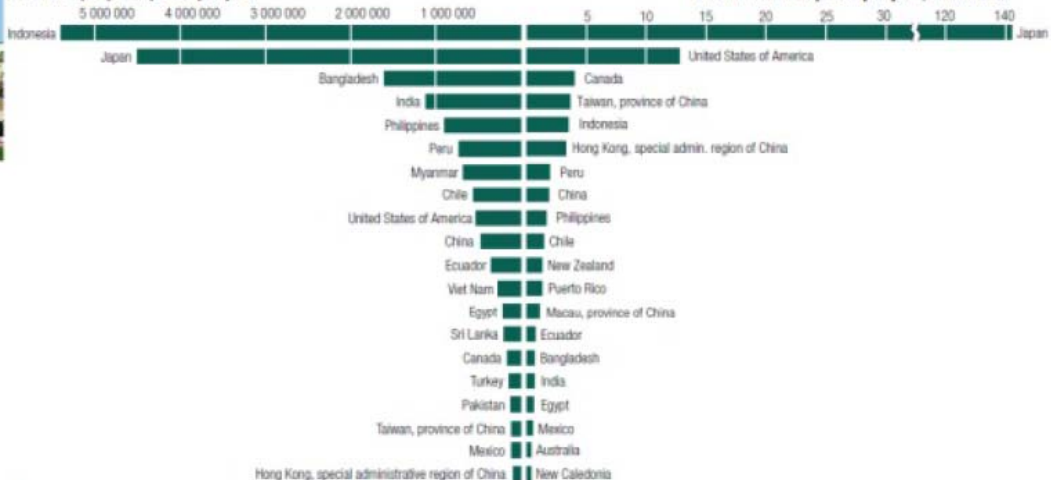
Risk – the future.

Synchronic failures and sequential crisis ?

Populations and economies exposed to tsunamis

Absolute: people exposed per year

Absolute: GDP exposed per year, billion US\$





Strategies to Reduce Exposure

- Land use planning, urban planning, spatial planning
- Engaging private sector
- Post-disaster recovery and reconstruction



Post Disaster Recovery

- Community focused recovery
- Proper resourcing
- Considering Social, Cultural Capital and Heritage
- Improve Post Disaster Land Use and Construction Practices

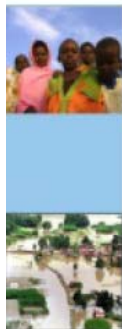


COMMUNITY PARTICIPATION LET THE PEOPLE INVOLVED DIRECTLY IN THE RECONSTRUCTION. BY DOING THIS, TRANSPARENCY AND ACCOUNTABILITY WILL BE IMPROVED.



Onagawa-Cho, Miyagi-Ken

Ishinomaki-Shi, Miyagi-Ken



*Disaster risk reduction is
everybody's business!*

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