



Global Assessment Report on Disaster Risk Reduction  
Revealing Risk – Redefining Development



# Global risk

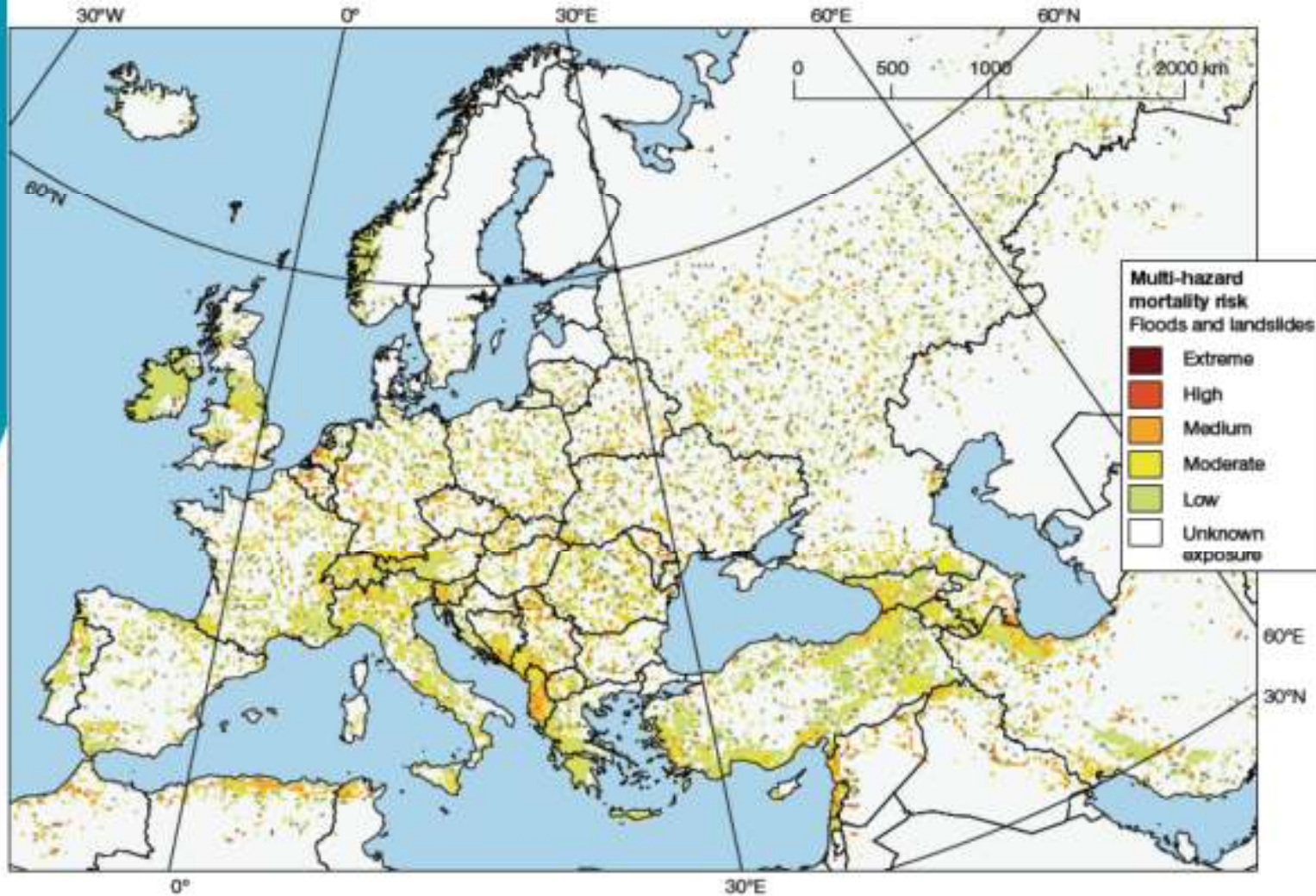
Net movement of people and economic activities to areas prone to floods and tropical cyclones (1970-2010):

Global population increase: **87%**

Proportion of people living on cyclone-exposed coastlines: **192%**

Increase of global GDP exposed to tropical cyclones: **from US\$525.7 billion to US\$1.6 trillion**

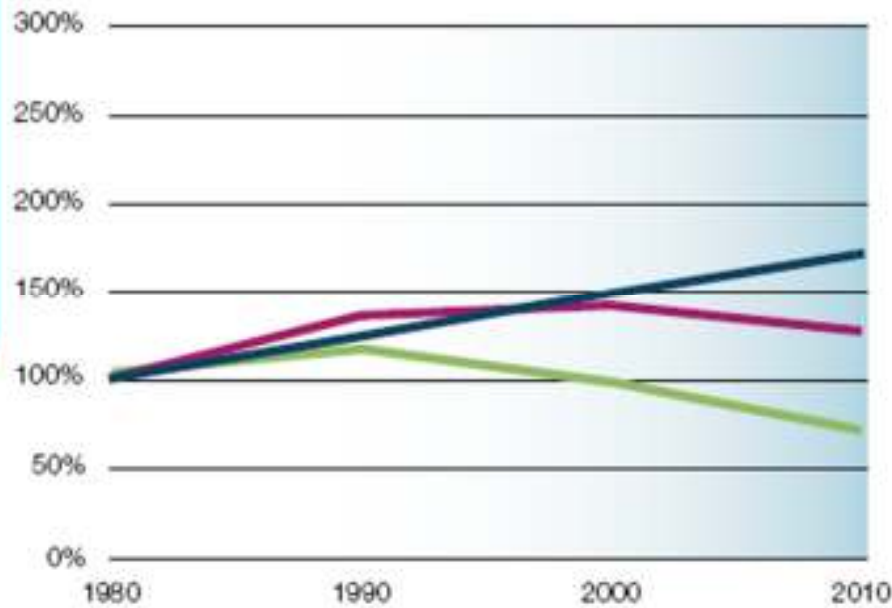
# Risk in Europe



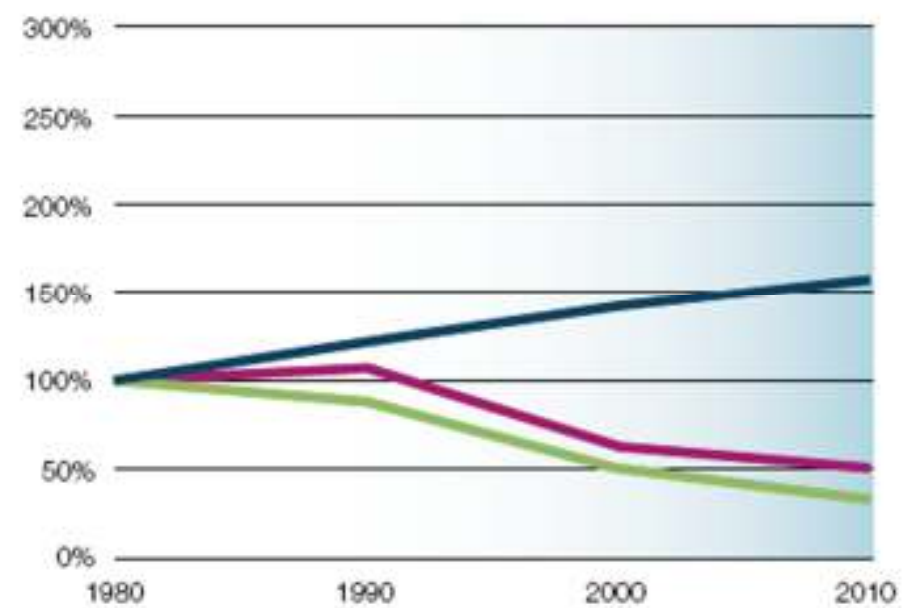
Mortality risk distribution for hydro-meteorological hazards in Europe

# Mortality risk is going down...

Percent change (World)



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



Exposure

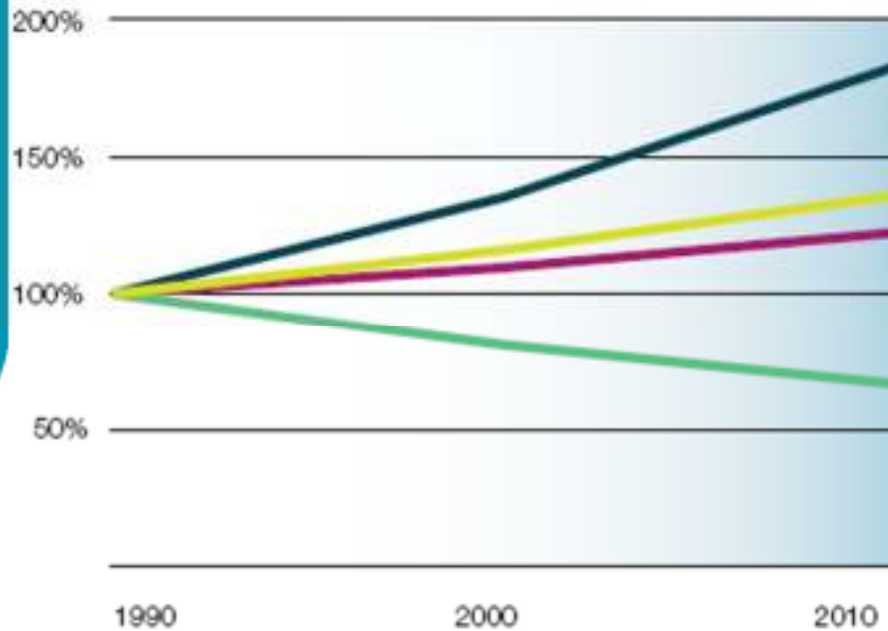
Risk

Vulnerability

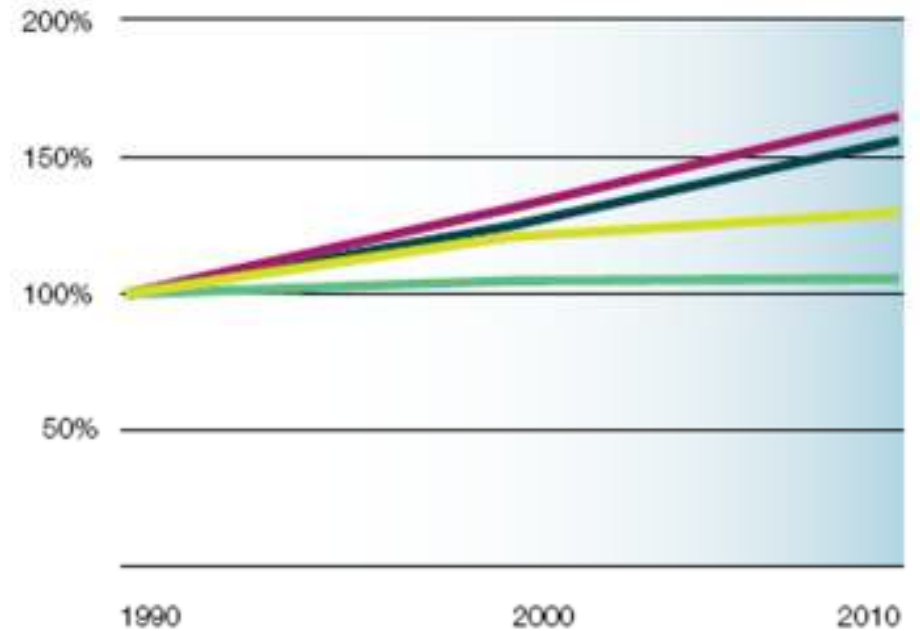
Flood mortality risk, exposure and vulnerability

# ...but economic loss risk is on the rise

Percent change (Latin America and the Caribbean)



Percent change (OECD countries)



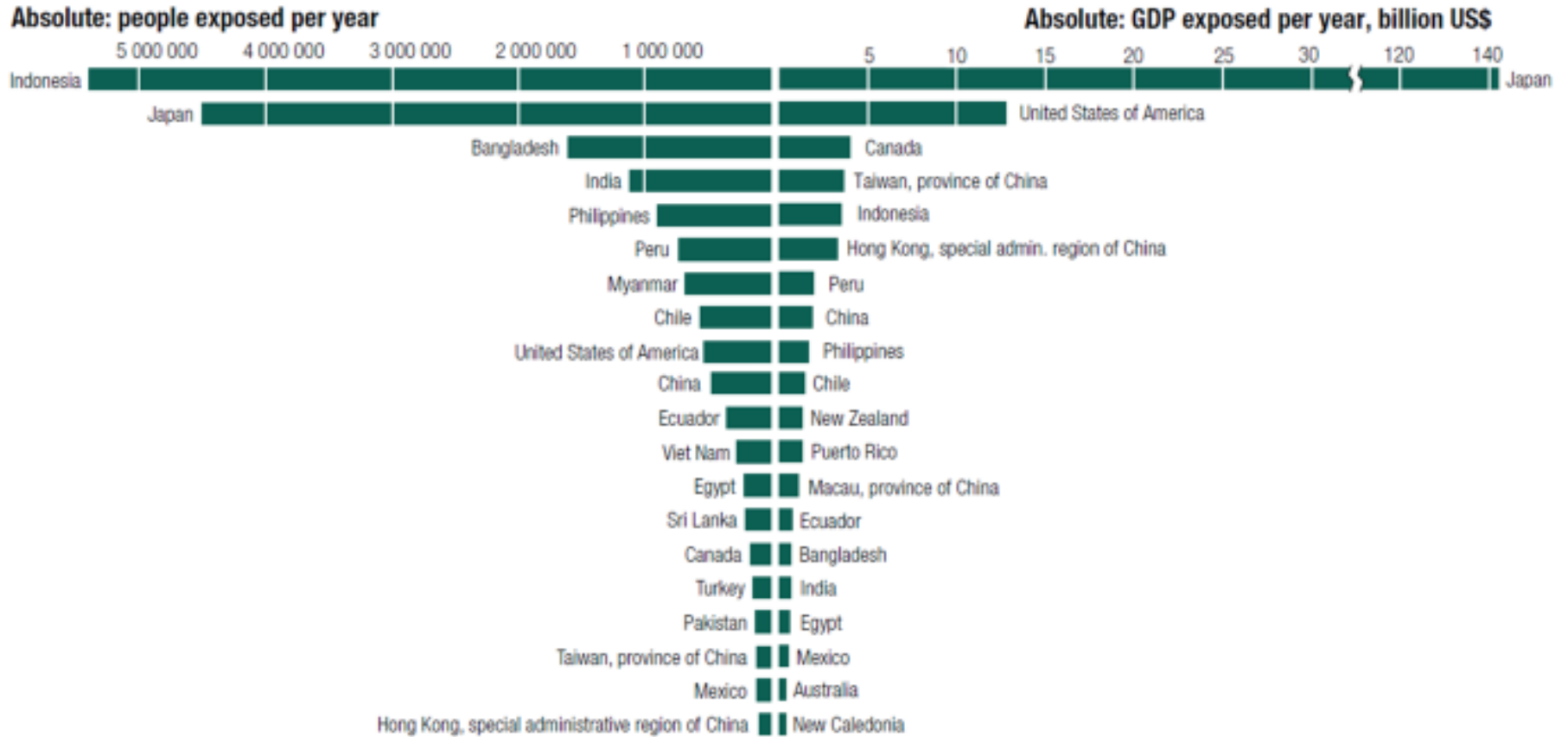
Exposure Risk Vulnerability GDP per capita

Flood economic loss risk

# Risk – the future.

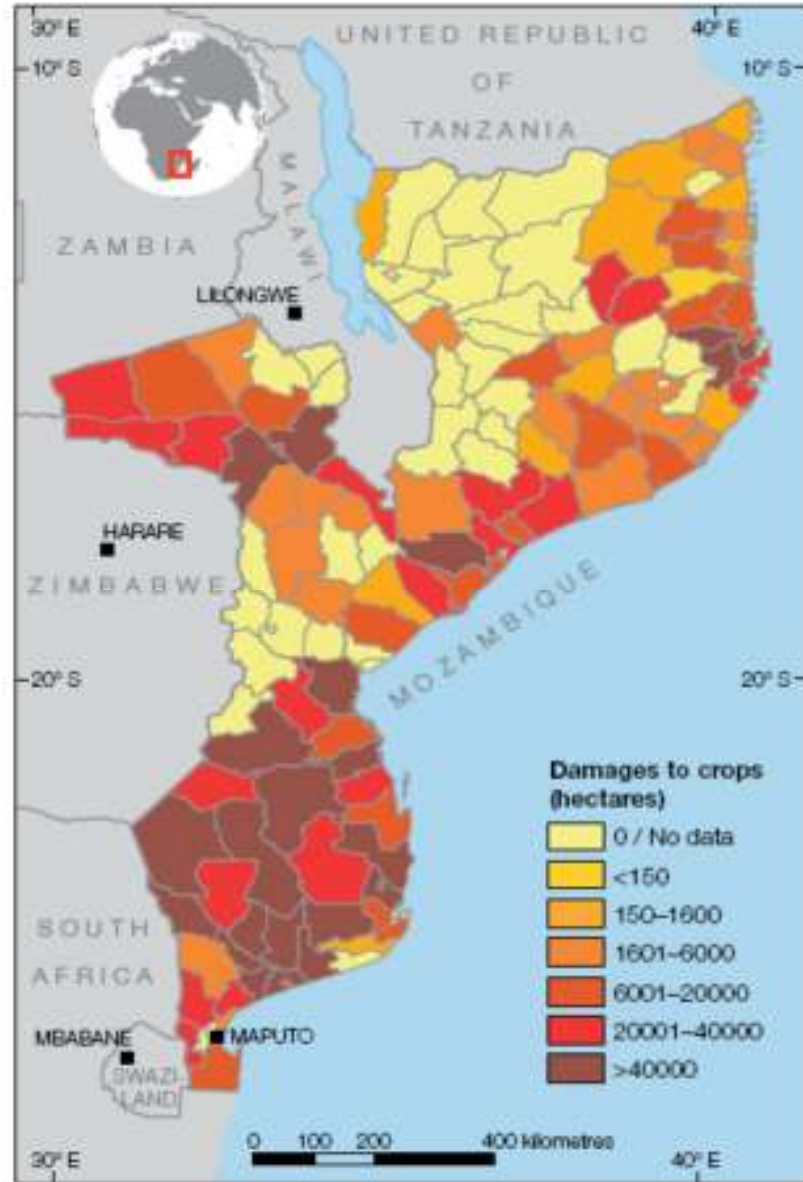
## Synchronic failures and sequential crisis ?

### Populations and economies exposed to tsunamis



# Drought remains a hidden risk

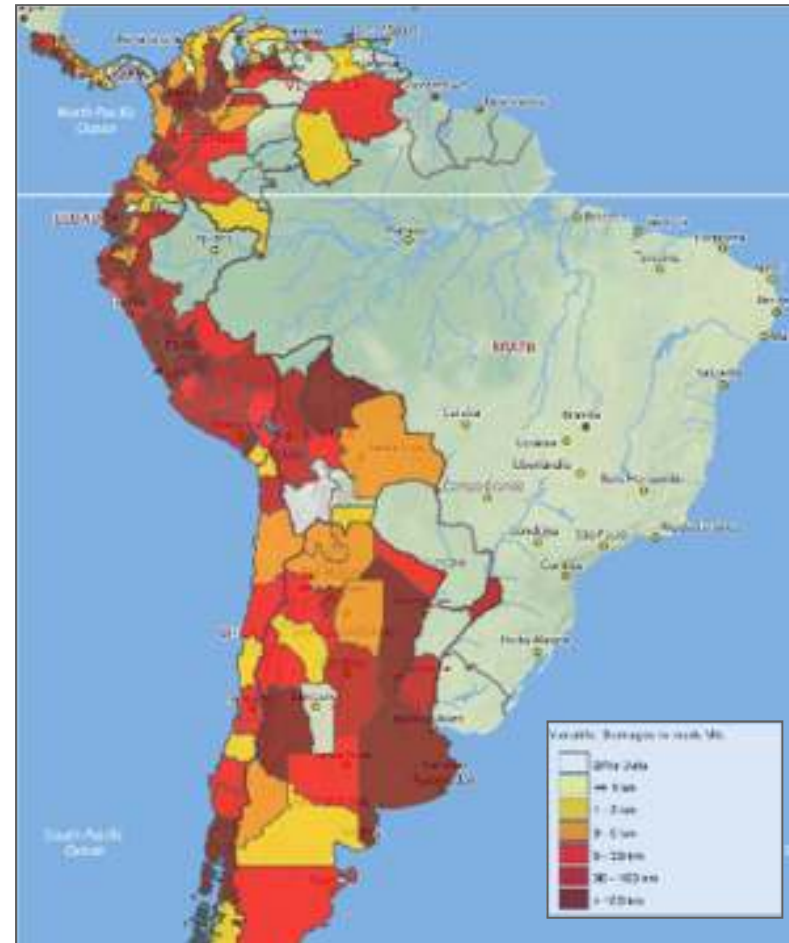
Drought-related damage in Mozambique, 1990-2009



# Systematically account for disaster losses

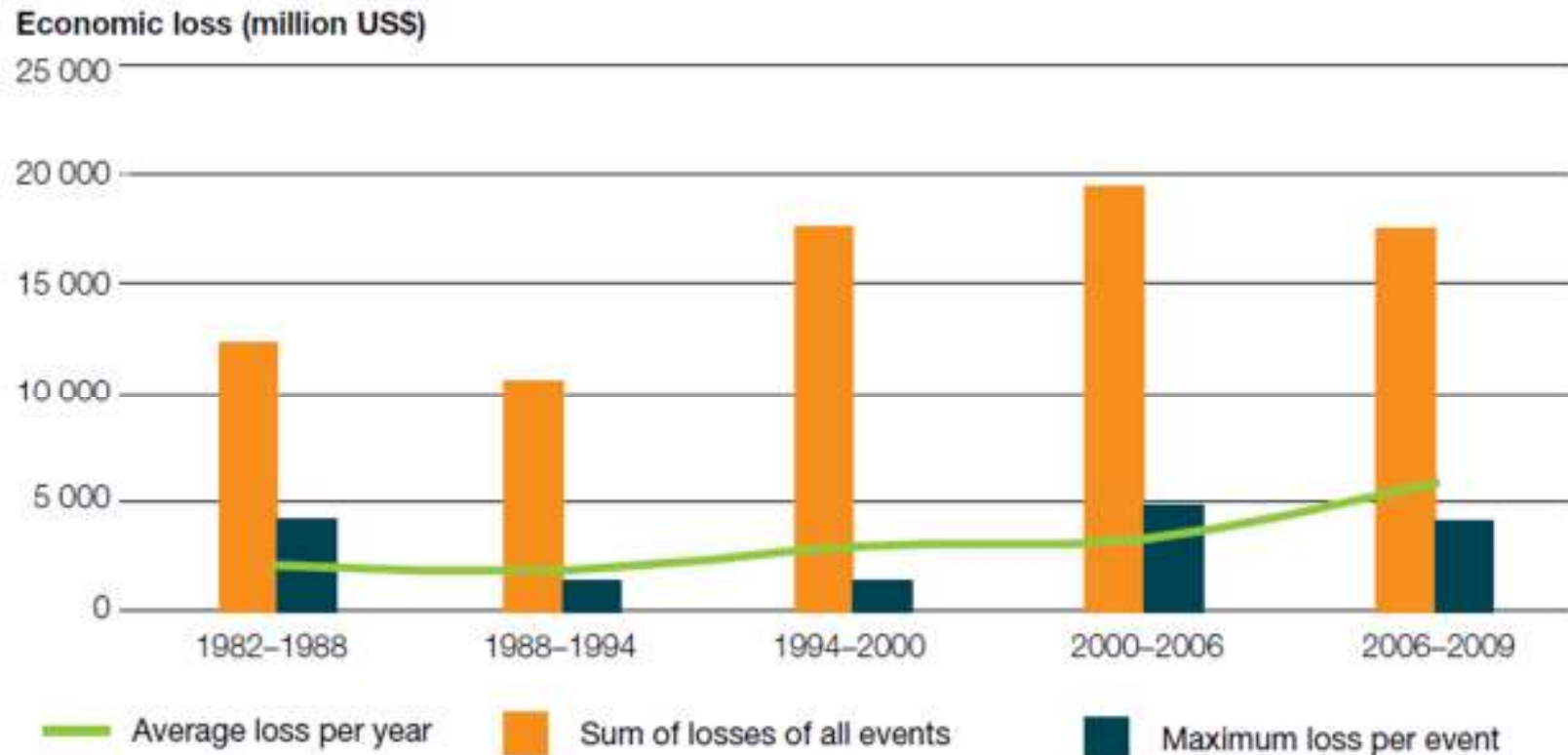


Number of education facilities damaged (1970-2009)  
per province (Argentina, Bolivia, Chile, Colombia, Costa Rica, Ecuador, Panama, Peru, Venezuela)



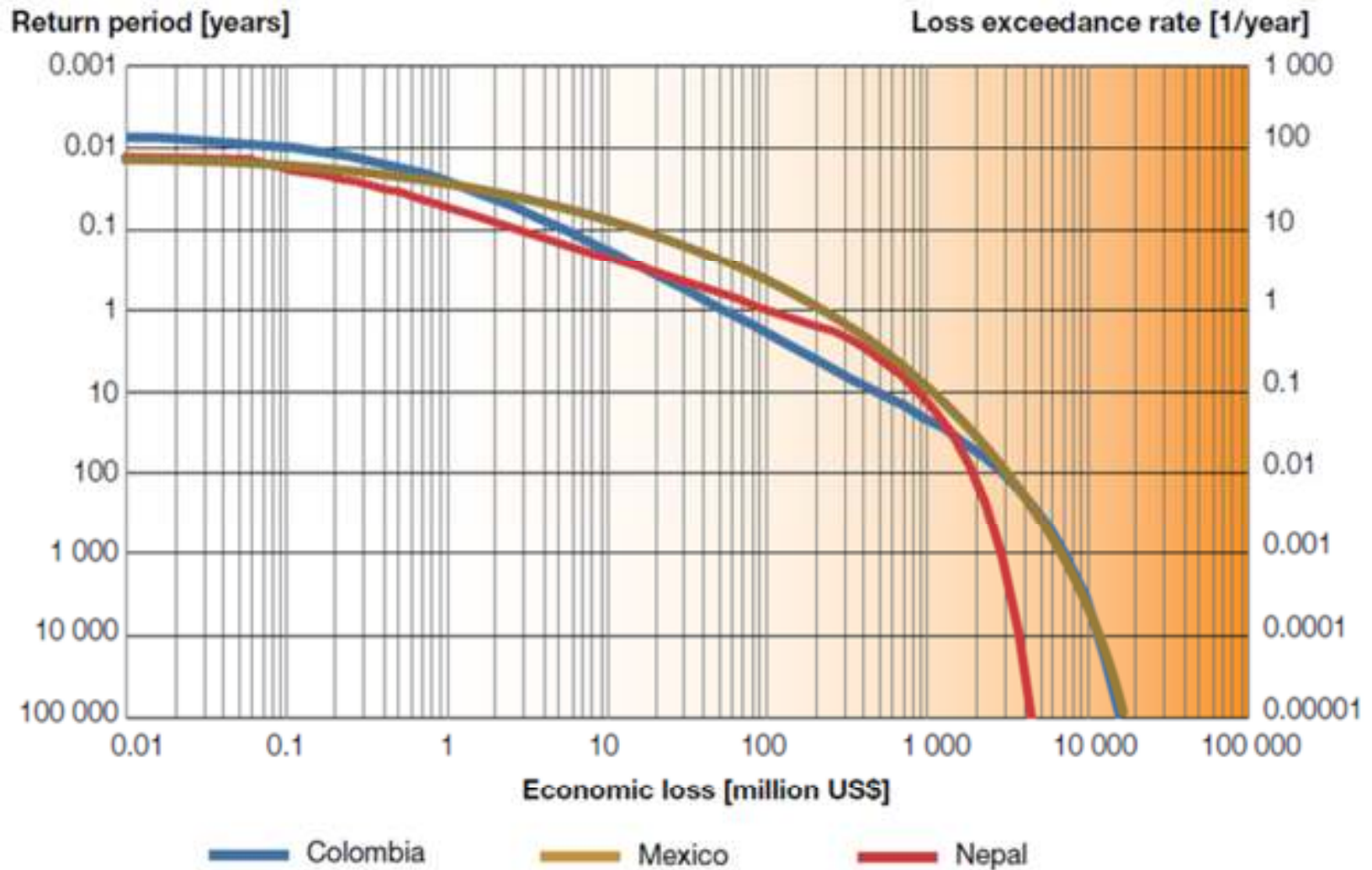
Kilometers of road damaged (1970-2009)

# Growing losses – insignificant investment in disaster risk management



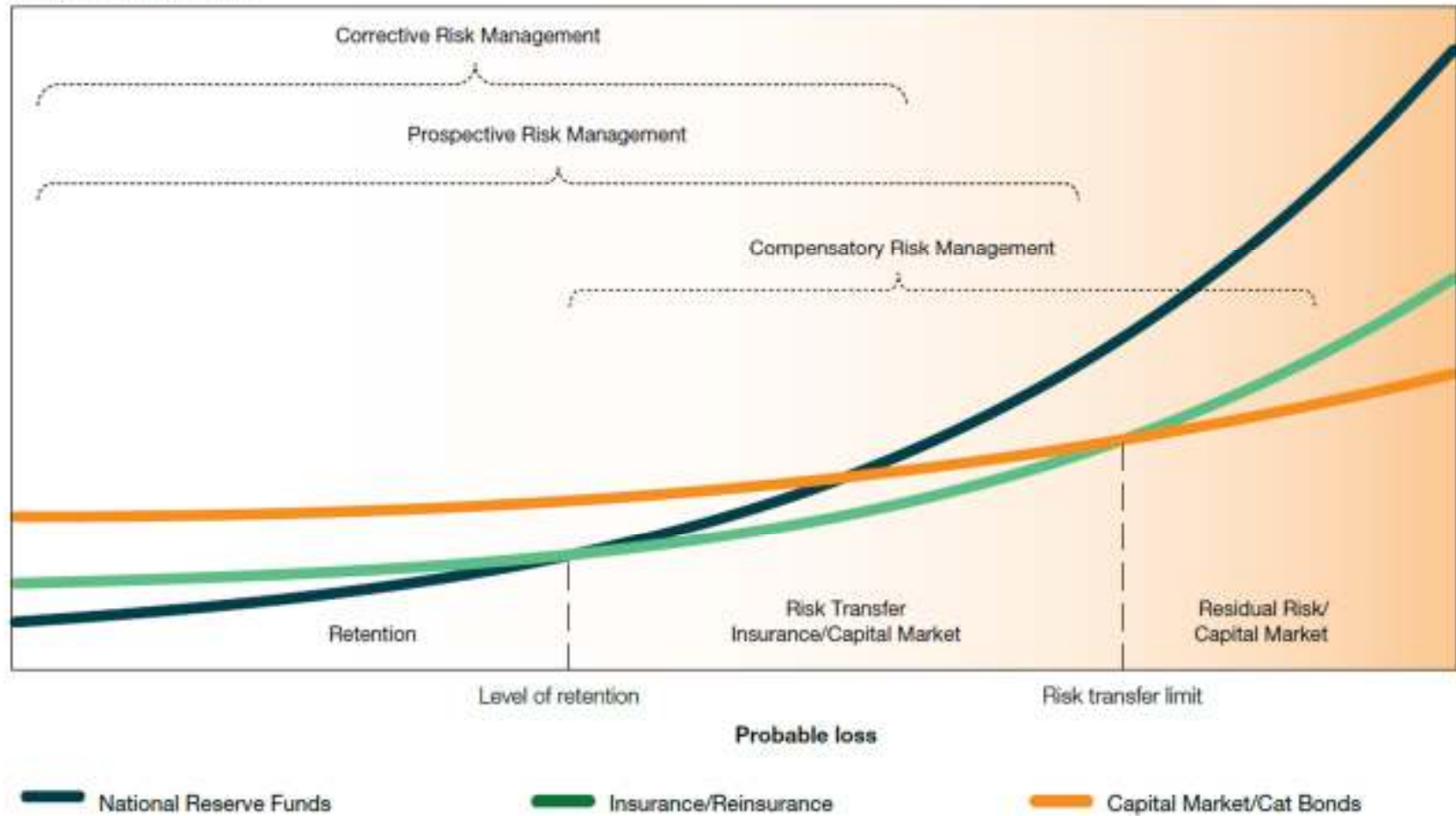
Disaster losses by Presidential period Mexico 1982 – 2009

# Reveal risk

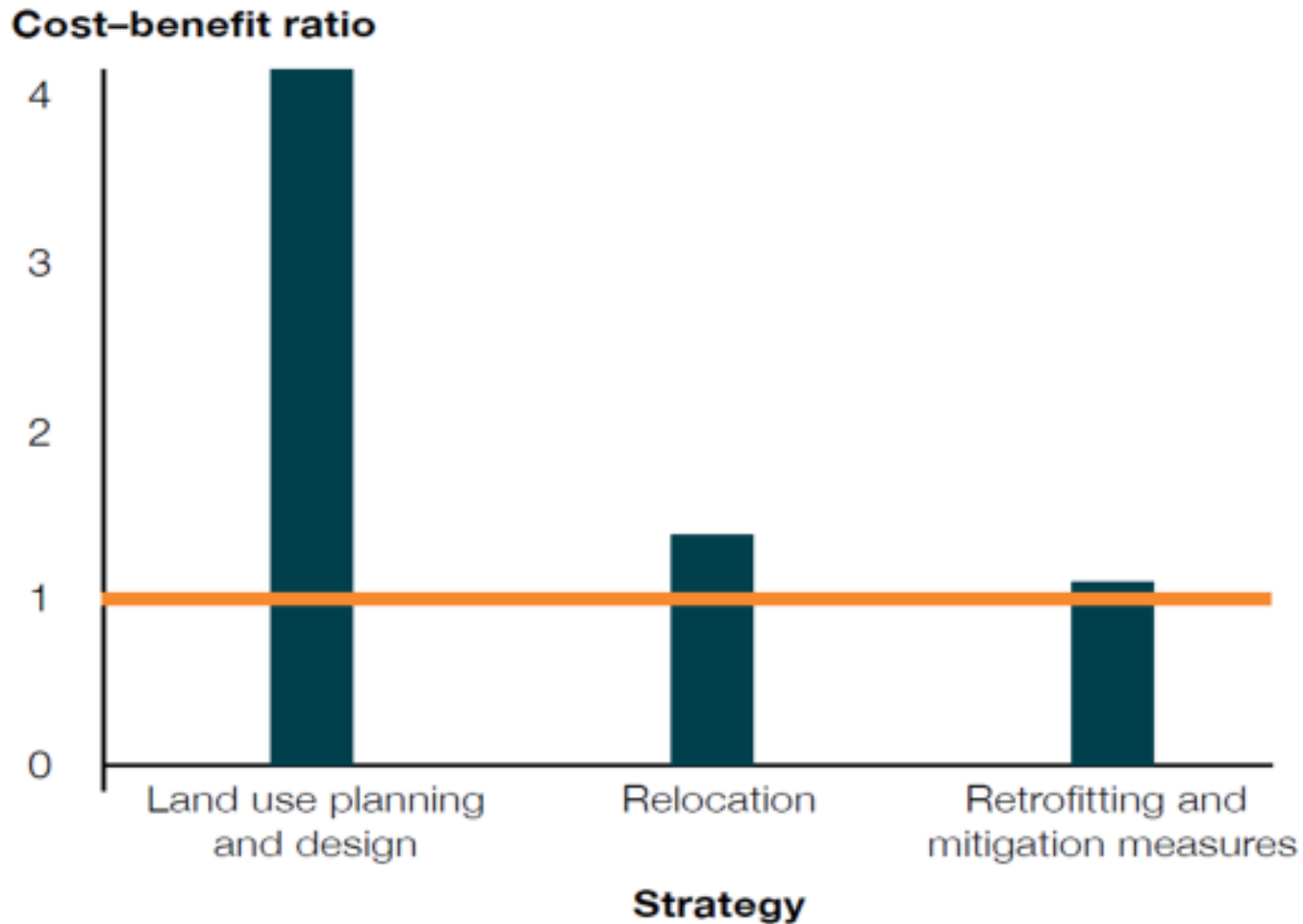


# Transfer catastrophic risk

Cost of the instrument



# Use public investment planning



# Evidence of development redefined

**Design with Nature:** cost-effective and with many co-benefits

**Protection of the most vulnerable:** large-scale and targeted outreach

**Effective risk governance:** political authority, realistic decentralisation, culture of partnership.

FROM



TO GAR13 and GAR15