

Climate Change Adaptation and Disasters

Elements of a Regional Strategy for EAP



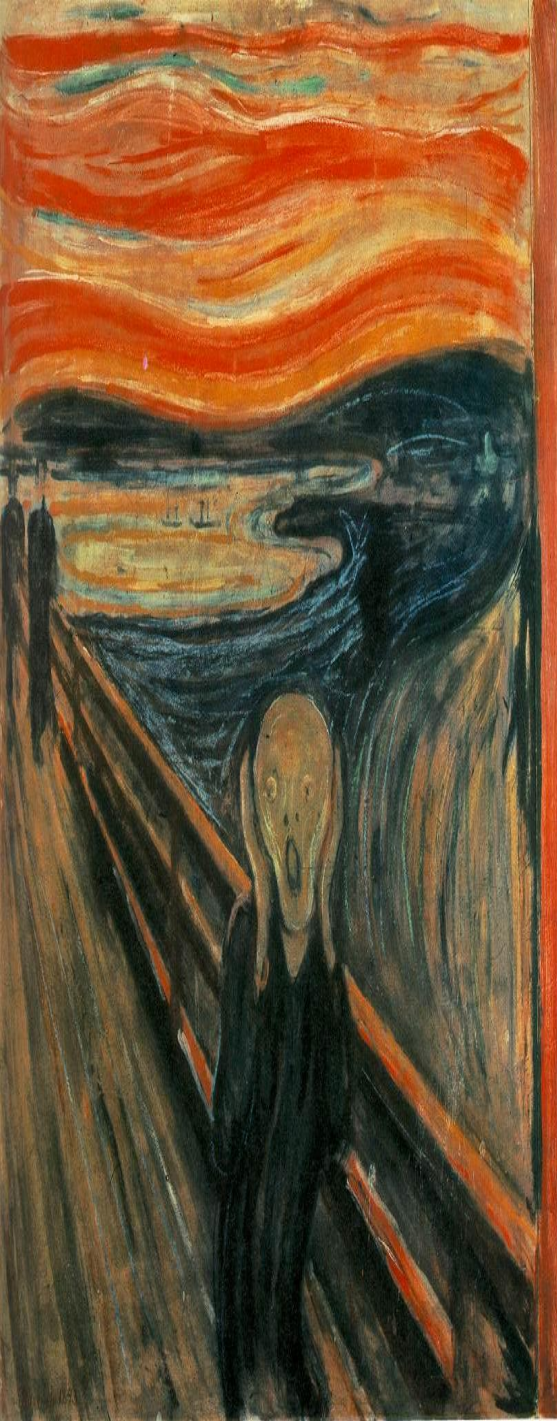
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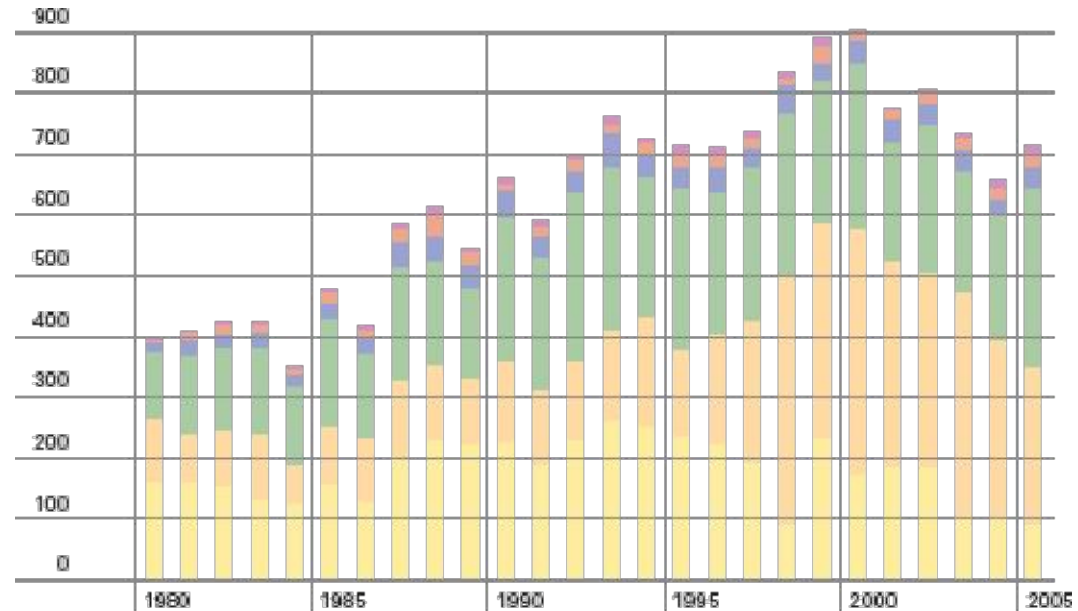




The Bad News on Disasters

- Disasters are becoming more frequent and extreme
- Losses are highly unevenly distributed in space and time
- The least developed countries have the least resilience
- Climate change adds another layer of risk

Natural Events Becoming More Extreme



Categories 1-6

- Small-scale loss events
- Moderate loss events
- Severe catastrophes
- Major catastrophes
- Devastating catastrophes
- Great natural catastrophes

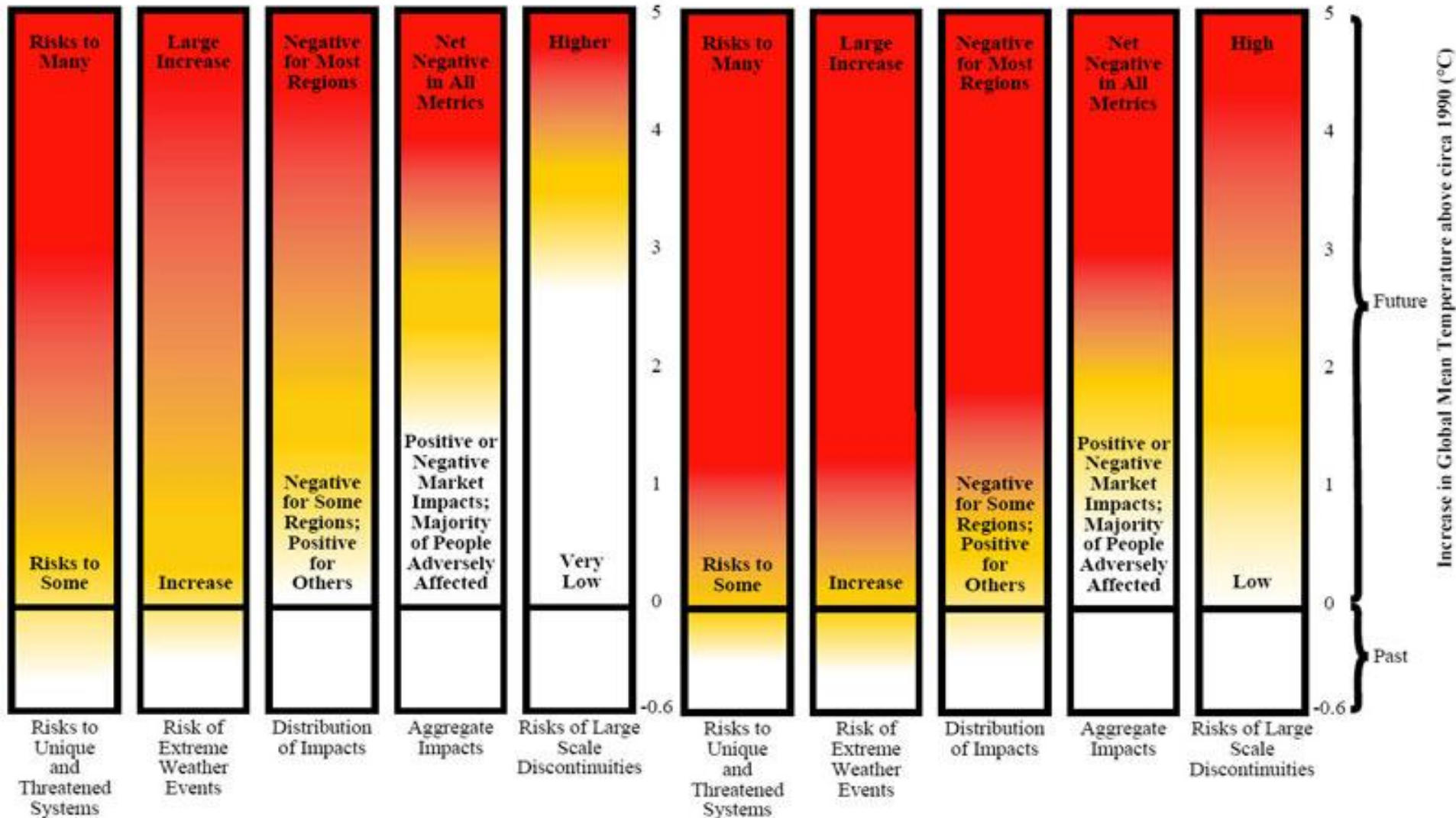
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IPCC Forecasts Are Conservative

TAR (2001) Reasons For Concern

Updated Reasons For Concern



Continuum of Responses



- Addressing the drivers of vulnerability (i.e. factors making people vulnerable to harm).
- Building response capacity (laying the foundation for more targeted actions).
- Managing climate risk (reducing the effects of climate change on resources/livelihoods).
- Confronting climate change (highly specialised activities, such as relocating communities in response to sea level rise).

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What can be done?

- Change farming systems
- Strengthen infrastructure
- Conserve natural buffers (eg forests including mangroves)
- Store more water
- Improve disaster preparedness
- Provide insurance?
- Migrate

But all have downsides

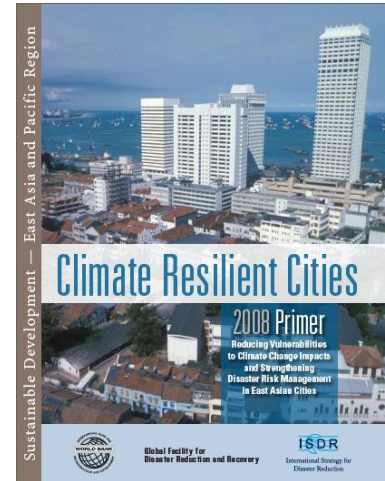
Regional Strategy (2009-10)

- **Desktop Review, Country-level Consultations**
- **Risk Financing Frameworks and Probabilistic Risk Assessment**
- **Disaster Risk Proofing Major Investment Programs**
- **Regional Cooperation-ASEAN, SOPAC, NDRCC, UN/ISDR**
 - Data Sharing
 - River Basin Management
 - Communication System Standards
 - Capacity Building, Lessons Learned and Knowledge Sharing
- **Mainstreaming DRM into Climate Change Adaptation**
- **Hydro-met Assessment (2009-10, Track-I)-WMO, Australian/Japan Weather Agency**



Acting Locally-Climate Resilient Cities

- Typologies
- Hot spot tool
- Why and How
- No-regrets
- From theory to practice
- Partnerships



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Challenges

- Breakdown sectoral barriers
- Tension between present and future priorities
- Endless seeking of “more information” and the “ideal” model
- “Rich country problem” - Opportunity too.