

Climate Change and Disaster Risk

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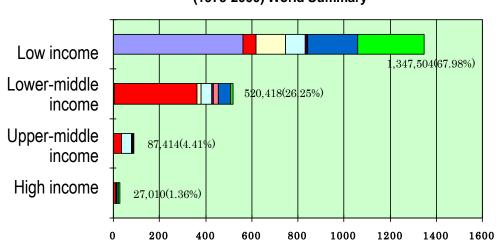


Outline

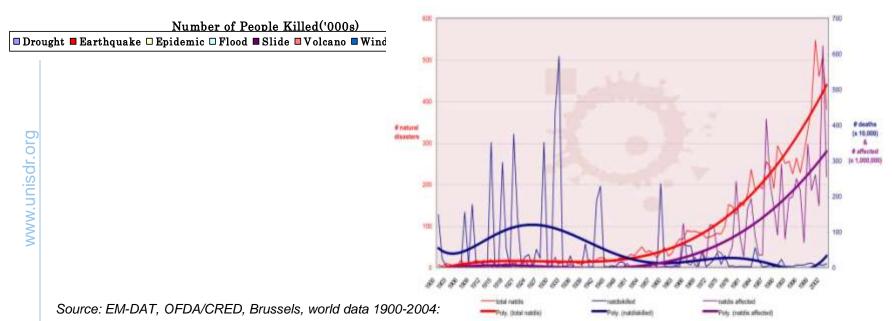
- Increasing risk
- DRR and CCA
- Climate change negotiations
- IPCC Special Report
- UNISDR initiatives
- Your initiatives

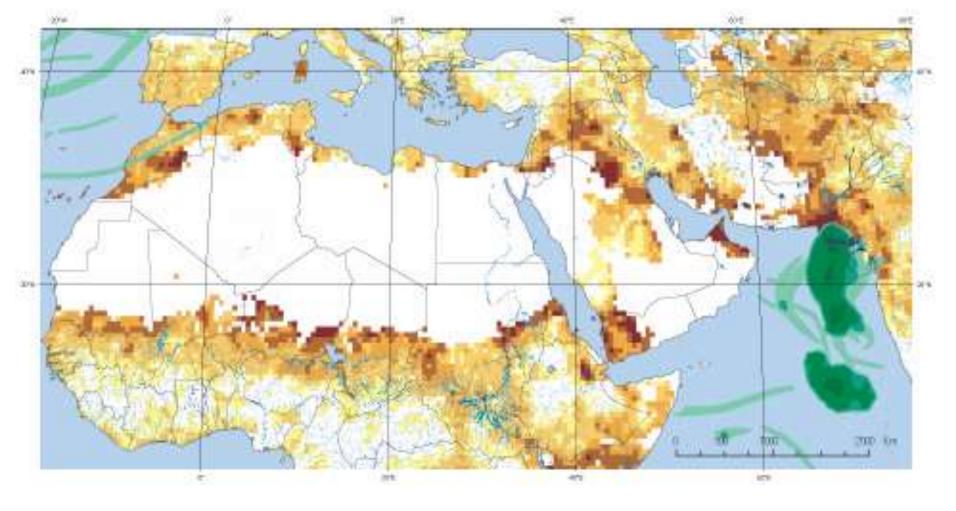




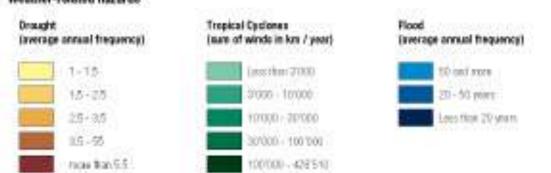


CC impacts: more risk superimposed over increasing-risk pattern...and increasing inequality





Weather-related hazards



Mexical forest

Data secretor

Topical Cyclenic, UNEPVERO-Europe - Rode: Intellet UNEPVERO-Europe + storever from Cartinopti Filod Observatory and Facuating from Float - REVIEW UNEPVERO-Europe - Dropts intellet from Fil. Cultureta University - Cartinophy P. Paducci, UNEPVERO-Europe - 2000





Climate change impacts on our Region

- IPCC Fourth Assessment Report, 2007A two degree increase in average teperature will increase drought risk in North Africa region
- Crop production / yields of Maize, in N.Africa by15 to 25 %
- FAO: yields of predominant crops may fall by 25-35% under weak carbon fertilisation scenario if 2-3 degree C increase
- Bahrain. Djibouti and Coastal cities in Low Elevation Coastal zone: e.g Alexandia, Port Said,: 50 cm rise may displace 2 million people





IPCC

3 Working Groups:

- Science
- Mitigation
- Adaptation

UNFCCC

United Nations Framework Convention on Climate Change Signed 1992, in force 1994, "common but differentiated responsibilities" principle mitigation and adaptation

KYOTO PROTOCOL

Signed 1997, took effect 2005
Creates 3 mechanisms for mitigation

CDM: Clean Development Mechanism

Joint Implementation

Emissions Trading

www.unisdr.org



International Climate Change Processes



IPCC

- Fourth assessment report 2007
- Fifth assessment report prep
- Special report "Managing the Risks of Extreme Events and Disasters to Advance Adaptation" Out 2011
 Promoted by UNISDR and Norway

UNFCCC

Conference of the Parties = COP

Kyoto Protocol meets as

COP/MOP

Decision 1/CP.10

Nairobi Work Programme

Bali Action Plan



The Bali Action Plan

- Adopted by Governments at UNFCCC/COP-13, Bali, December 2007
- Roadmap towards a new international climate change agreement post-2012 (Kyoto Protocol)
- Disaster risk reduction as part of enhanced action on climate change adaptation. Calls for:

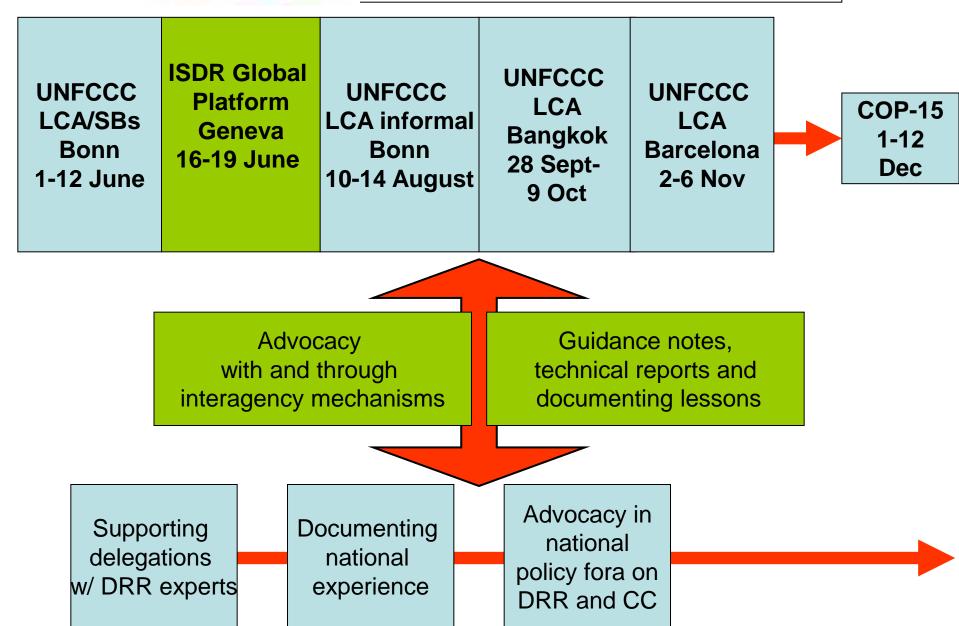
"Disaster reduction strategies and means to address loss and damage associated with climate change impacts in developing countries that are particularly vulnerable to the adverse effects of climate change"

The inclusion of disaster risk reduction reflects:

- Recognition that climate change adaptation should benefit from experience in reducing disaster risk
- Opportunity to build synergies: e.g., disseminate existing tools, scaleup successful risk reduction efforts



Road to Copenhagen



IPCC: Understanding the problem





2500+ scientists: human influence on climate greenhouse gases (GHG) accumulated in atmosphere since industrialization (1867) from burning of fossil fuels and deforestation. Projected:

- Temperature increase up to 6.4°C
- Sea-level rise from 50 to 95 cm.
- ENSO more frequent and intense
- Increase in extreme events: drought, storms, floods
- Current is warmest period in 10,000 years and probably last 650,000





IPCC Special Report

- Proposed by UNISDR and Norway 2008
- Scoping meeting hosted by Norway 2009
- Agreed unanimously by IPCC in April 2009
- Report "Managing the Risk of Extreme Events and Disasters to Advance Adaptation" to be completed mid-2011
- 9 chapters including 1 on case studies





UNISDR support of IPCC Report

- Participation of developing country experts as authors
- Access to relevant DRR data and info
 - Contract tech organizations to build thematic bibliographies
 - Support completion and publication and peerreview of papers in key topics
 - Disseminate and promote use of final Report





UNISDR support to negotiations and national implementation

- Support for adaptation planning and implementation
- Knowledge sharing: climate-risk info and know-how
- Developing partnerships and mobilizing resources

Examples

- Participation of DRR advisors in national UNFCCC delegations, advocacy on negotiations text
- Highest level advocacy: UNSG, GP, parliamentarians
- Guidance notes on sector-specific adaptation
- Subregional assessments of risk info and capacities





What you can do for DRR-CCA integration--1

- Provide literature for Special Report assessment: see www.preventionweb.net
- Nominate and support experts for IPCC 5th Assessment Report
 & submit literature
- Generate and "translate" climate risk information and engage with users to ensure it can be applied
- Report climate change activities in Hyogo Framework implementation report & HFA Monitor
- Strengthen DRR national platforms with institutions working in climate change
- Ensure climate negotiators include DRR in negotiations text
 - Meet your counterpart; call often; share progress in DRR; review texts together





Ban Ki Moon, UN SG, 29 September 2008

"We should not take longer... if we are slow to adapt to climate change, we risk making disasters even more catastrophic than they already are. We should build on the HFA and DRR awareness to protect vulnerable populations against climate change."