El Niño Ready Nations Idea as a "Social Invention"



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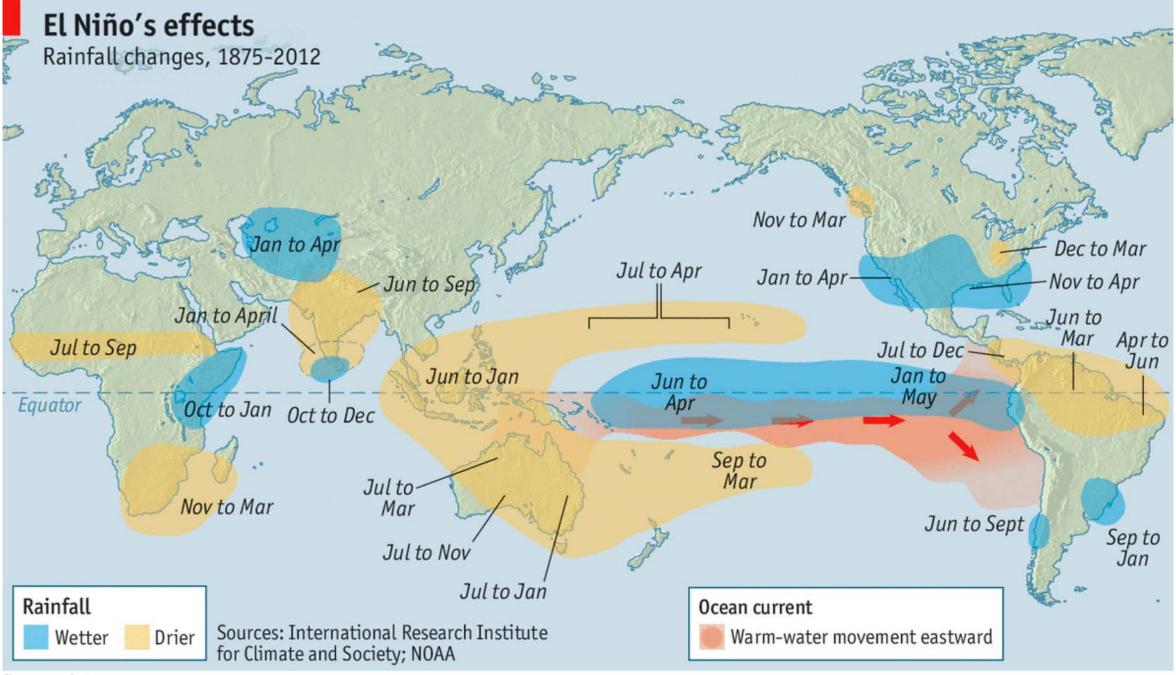
Website:

www.elninoreadynations.com

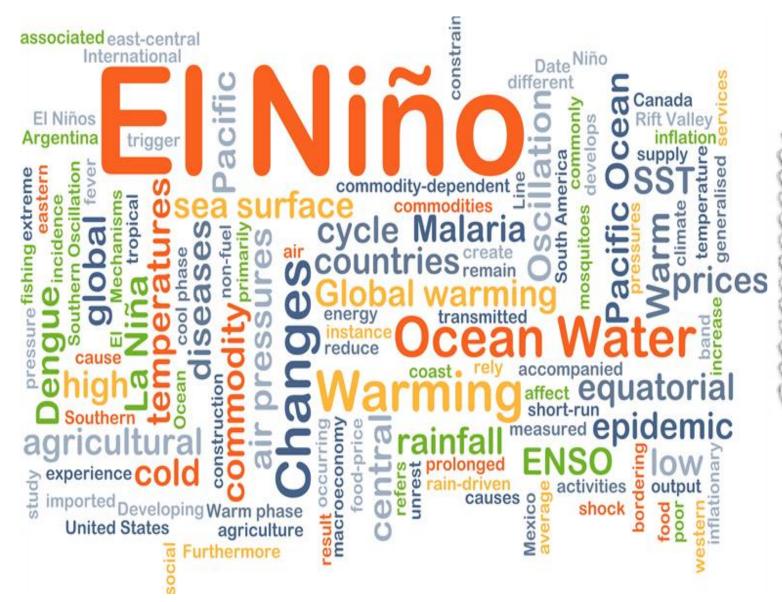
www.ccb-boulder.org

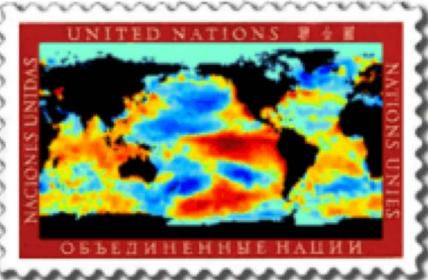
UNFCCC COP 24 Side Event

Panel on "Implementing Food-Energy-Water Security Early Warning Systems for Adaptation to Climate Change"



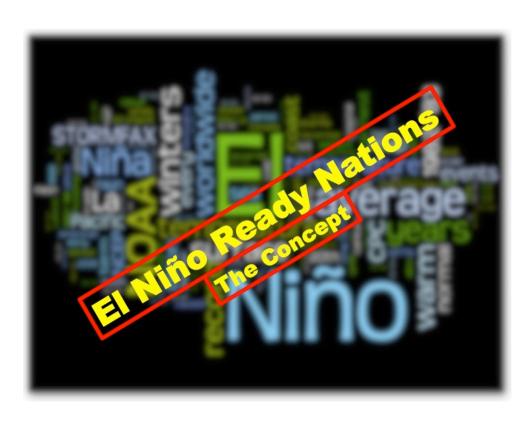
El Niño's Seasonality Shift Impacts worldwide





El Niño Ready Nations (ENRNs) is a "Social Invention"

A Social Invention is an idea that alters human, societal and organizational behavior



- 1. Identify Lessons Learned about Lessons Learned" about Disaster Risk Reduction in a Changing Climate
- 2. Contribute to modernizing the NMHS for El Niño in the 21st Century
- 3. Develop El Niño Ready Nations tailored to a country's climate, water and weather concerns
- 4. Identify existing "Readiness" level to cope with El Niño

Readiness

- What does Readiness mean?
- How to measure levels of readiness?
- What are the limits to Readiness?
- Who should be ready?

What it means to be El Niño Ready

• What ought to be: El Niño Readiness is perfect

• What is: Scarce funds, policy makers divided

• What could be: a "satisficing' (good enough) level of readiness

What does El Niño Readiness mean?

 Adequate funding, societal awareness
community capacity building and technology

• El Niño on the national DRR agenda

• Strength of its institutions, e.g. NMHSs

Measuring the level of "El Niño Readiness"

Self-identified measures:

- Governments
- NMHSs
- Communities
- At-risk people (ZORs)



Limits to El Niño Readiness

- Limits on present scientific understanding
- Lack of reliability of the forecast
- A government does not have the resources
- Policy makers are coping with many problems
- Need personnel and upgraded equipment
- El Niños recur irregularly
- Once El Niño peaks, interest wanes
- Lack of forethought and planning



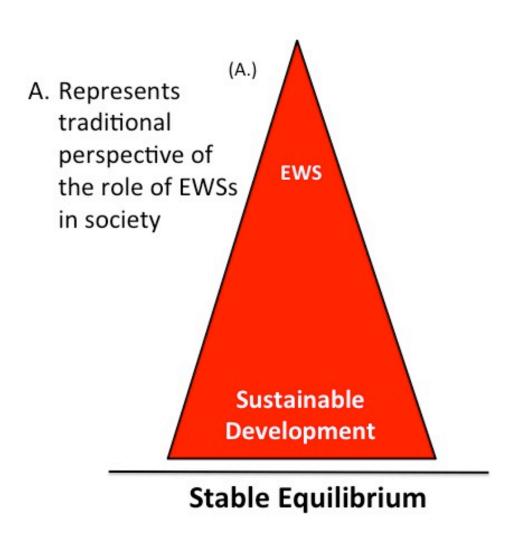
El Niño EWS is both a bridge and a barrier

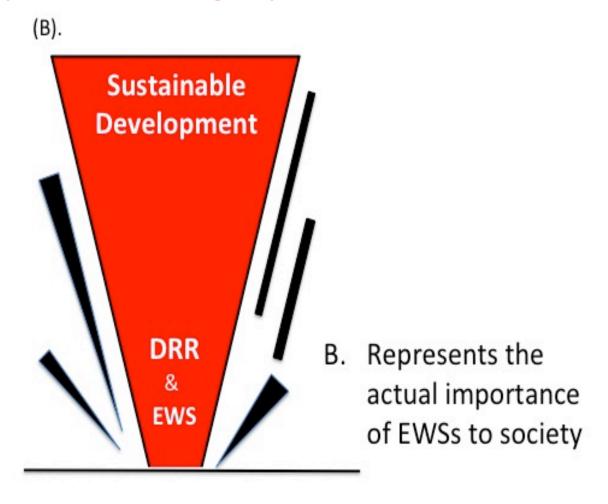
• EWS is the bridge between the past and the future

• EWS is barrier between hazard and disaster

• Though hazards remain, the more fortified the barrier, the fewer disasters

The value of early warning systems



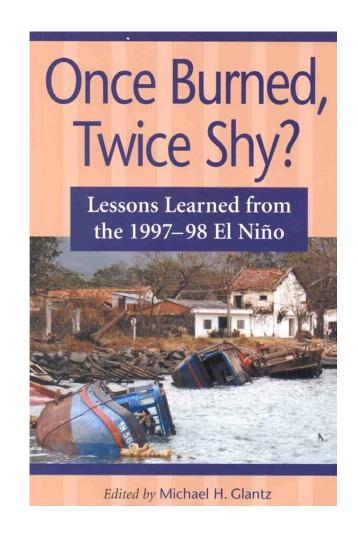


Unstable Equilibrium

Reviewing the Notion of "Lessons Learned"

Are we really learning lessons or are we just identifying them?

"Experience is a hard teacher. She gives a test first, and the lesson afterward."



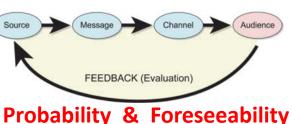
Impact of El Niño **Seasonality**



ENRN Bridges DRR & Sustainable Development via Resilient Adaptation



End to End to End (feedback)



El Niño Ready Nations and Disaster Risk Reduction (DRR) sortium for Capacity Building, (CCB) University of Colorado, Boulder

Defining Readiness and Lessons

El Niño Ready **Nations**

During El Niño, **Koeppens climate** types can change



Early Warning for seasonal hydromet anomalies





El Niño yields lessons for a changing climate



Contributes to bridging climate and weather

