

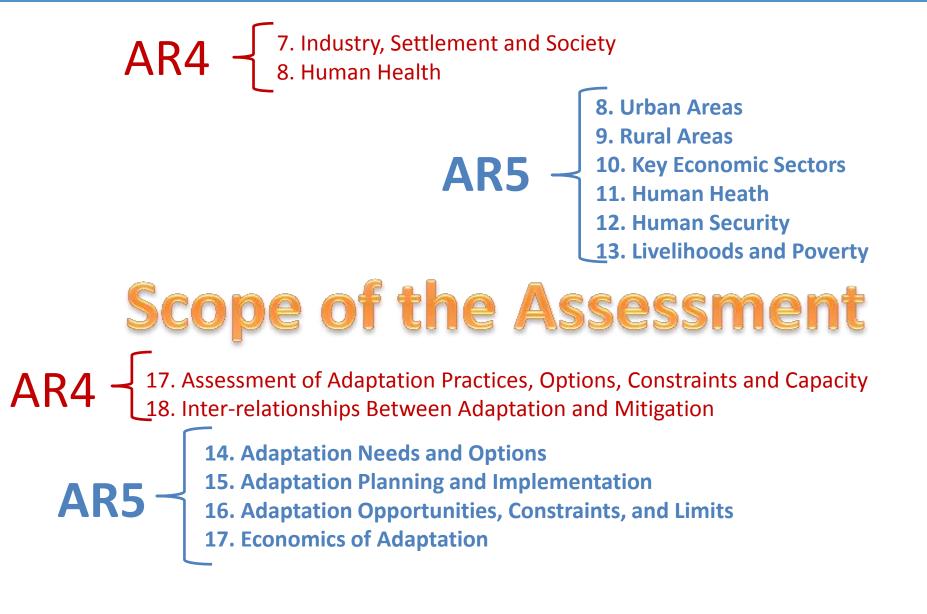
Impacts, Adaptation and Vulnerability

An Overview of AR5 WG II Contribution

Purnamita Dasgupta CLA, Chapter 9 The Framing: Climate as part of multiple, interacting contexts
(a) Risks and Opportunities
(b) Interactions : Adaptation, Mitigation and Sustainable Development

The Presentation: Two parts Part A: Global and Sectoral Aspects (ch 1-20); Part B: Regional Aspects (21-30)

The Literature Assessment: 308 authors, 70 countries, 50492 review comments

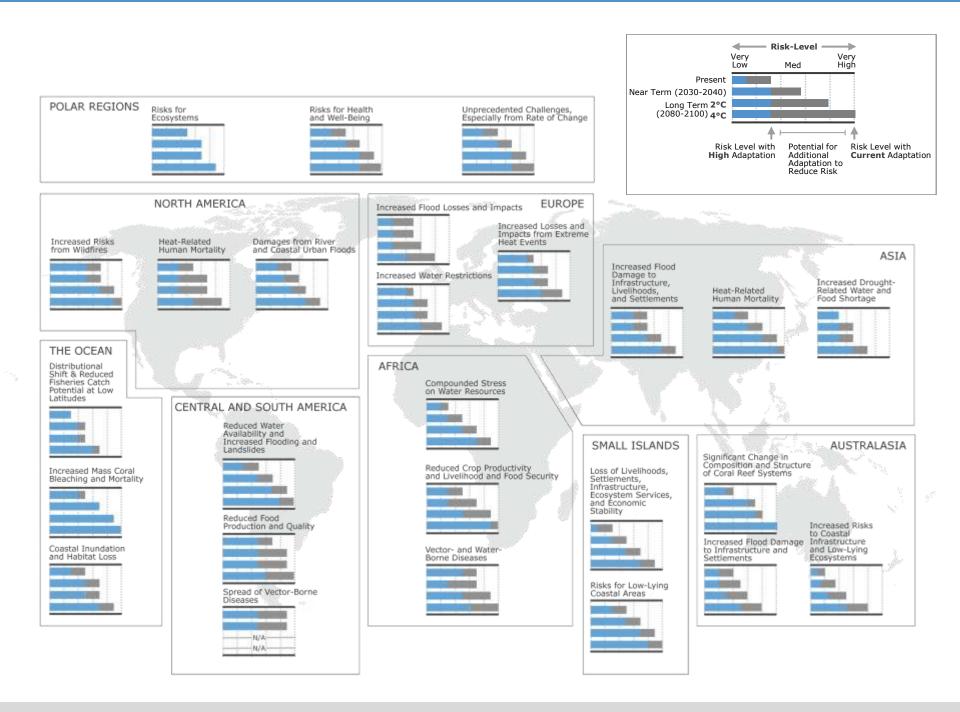


WIDESPREAD OBSERVED IMPACTS A CHANGING WORLD



VULNERABILITY AND EXPOSURE AROUND THE WORLD

INTERGOVERNMENTAL PANEL ON CLIMBTE CHARGE



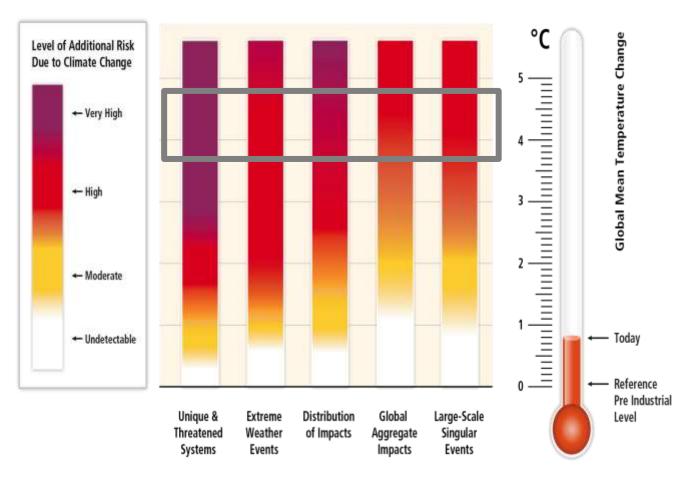
INCREASING MAGNITUDES OF WARMING INCREASE THE LIKELIHOOD OF SEVERE AND PERVASIVE IMPACTS

INTERGOVERNMENTAL PANEL ON CLIMBTE CHARGE

RISKS OF CLIMATE CHANGE **INCREASE** WITH CONTINUED HIGH EMISSIONS

INTERGOVERNMENTAL PANEL ON CLIMBTE CHANGE

Without additional mitigation, global mean surface temperature is projected to increase by 3.7 to 4.8°C over the 21st century.



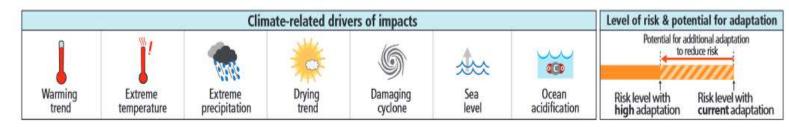
Based on WGII AR5 Figure 19.4

Potential Impacts of Climate Change





Key risks: Climate change, SouthEast Asia







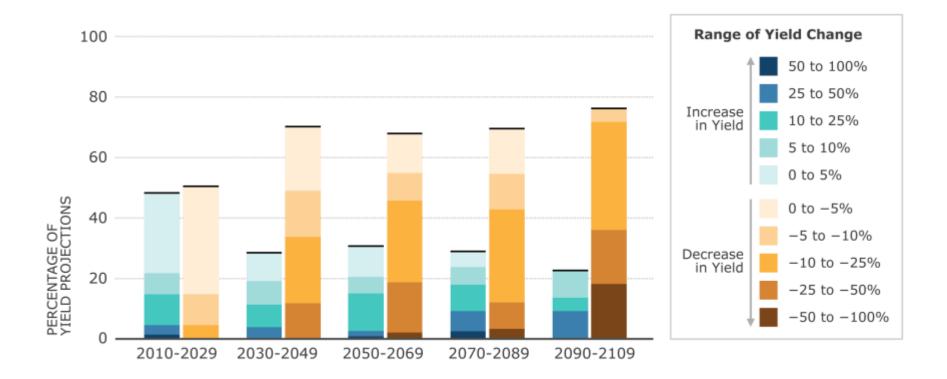
Region: Impacted by Flooding and Droughts

Some concerns....with adaptation potential bars relatively small in most cases at 4 deg C

- Wildfires, Health impacts from smoke exposure.
- Increase in vector borne diseases such as dengue
- Decline in rice yields, fisheries

* Please Refer to Table in the Asia Flyer





CLIMATE CHANGE REDUCING AND MANAGING RISKS

INTERGOVERNMENTAL PANEL ON CLIMOTE CHORE

Climate change in the The Lower Mekong Basin



Observations & future projections include:

- Intensified flood and drought events which have noticeably impacted agricultural output (90% rice production losses in Cambodia during 1996-2001)
- Vietnam and Cambodia are most vulnerable to climate change impacts on fisheries

All countries of the LMB have national adaptation plans; Transboundary adaptation planning : A multistakeholder Regional Adaptation Action Network has been proposed.

