CLIMATE CHANGE 2014:

IMPACTS, ADAPTATION, AND VULNERABILITY

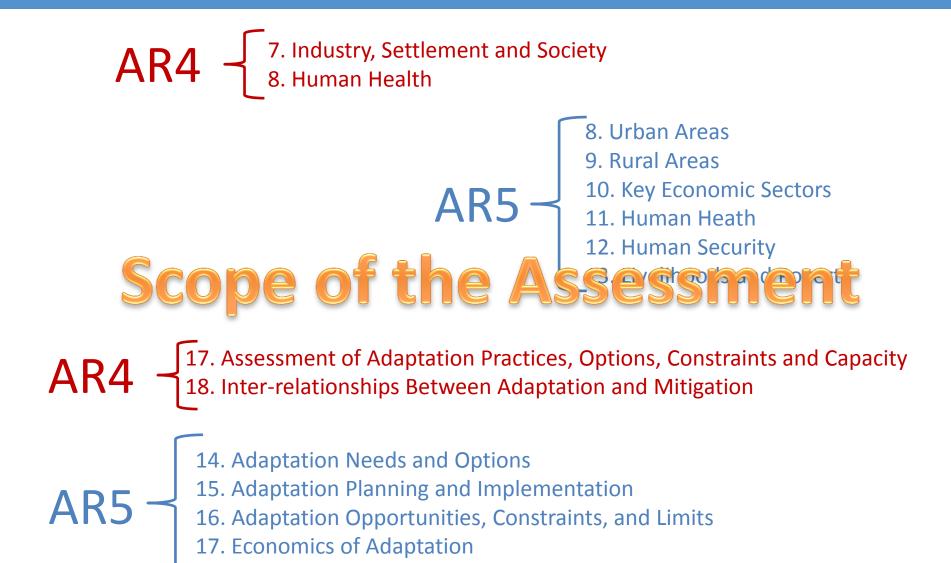


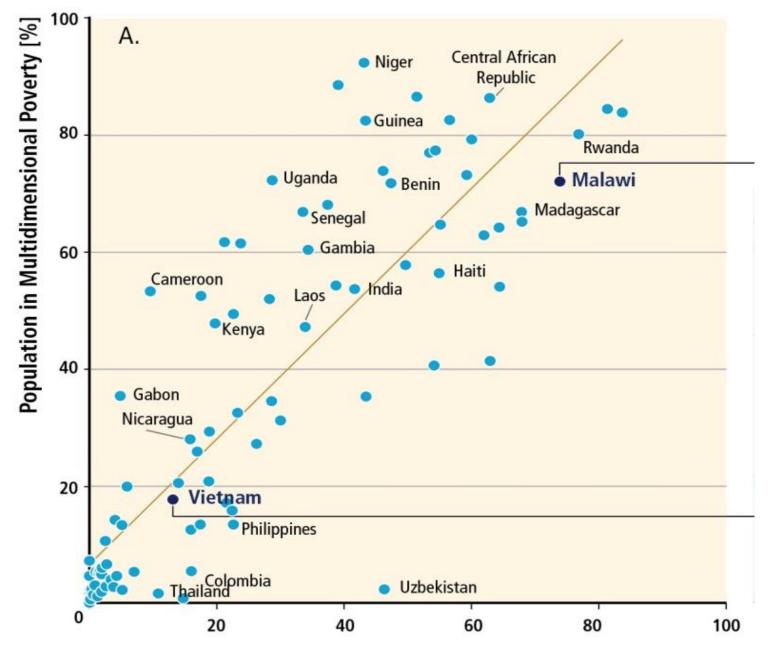
Links between socioeconomic pathways and climate change risks – views from the poor.

Lennart Olsson

CLA Ch 13: Livelihoods and Poverty





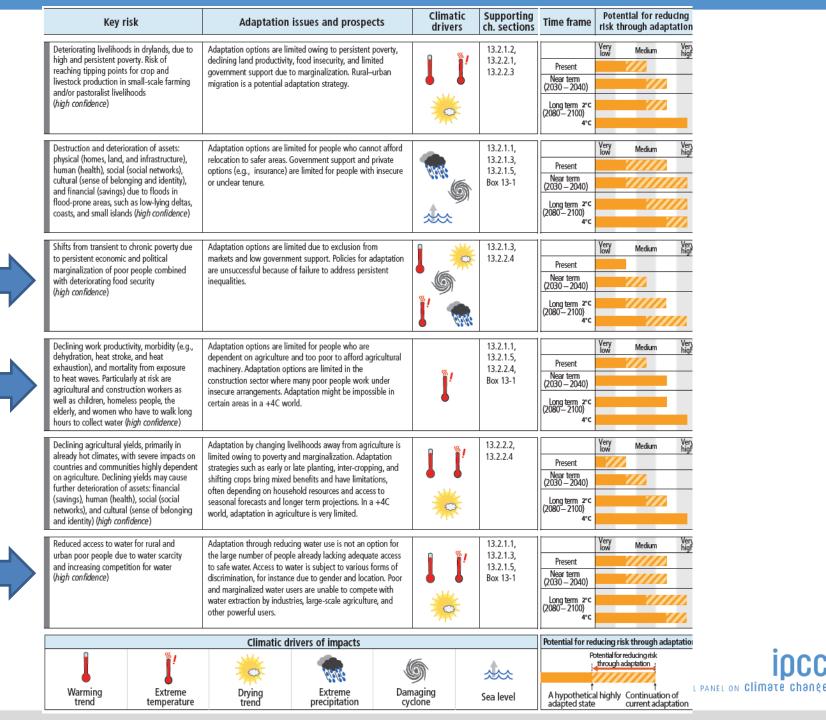






livelihood assets	examples
Natural	Vegetation, soils, water, climate
Human	Labour, skills
Physical	Land, technology, equipment,
Social	Social network, mobilisation capacity
Financial	Savings, credits, insurance
Cultural	Identity, sense of place, knowledge





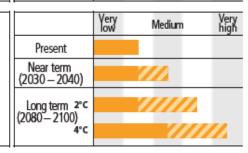
Deteriorating food security

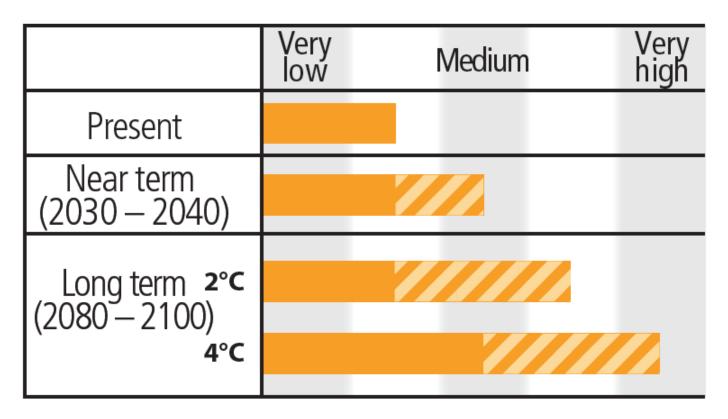
Shifts from transient to chronic poverty due to persistent economic and political marginalization of poor people combined with deteriorating food security (high confidence)

Adaptation options are limited due to exclusion from markets and low government support. Policies for adaptation are unsuccessful because of failure to address persistent inequalities.



13.2.1.3, 13.2.2.4

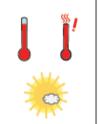




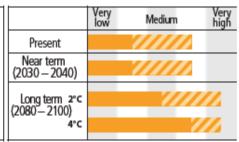


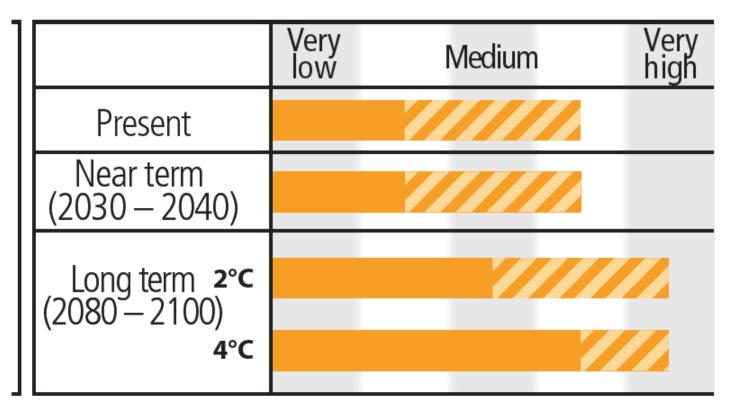
Deteriorating access to water

Reduced access to water for rural and urban poor people due to water scarcity and increasing competition for water (high confidence) Adaptation through reducing water use is not an option for the large number of people already lacking adequate access to safe water. Access to water is subject to various forms of discrimination, for instance due to gender and location. Poor and marginalized water users are unable to compete with water extraction by industries, large-scale agriculture, and other powerful users.



13.2.1.1, 13.2.1.3, 13.2.1.5, Box 13-1







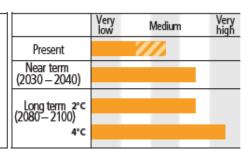
Increasing heat waves

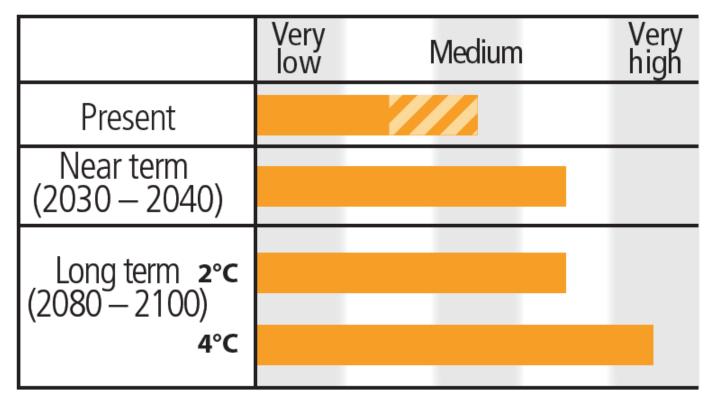
Declining work productivity, morbidity (e.g., dehydration, heat stroke, and heat exhaustion), and mortality from exposure to heat waves. Particularly at risk are agricultural and construction workers as well as children, homeless people, the elderly, and women who have to walk long hours to collect water (high confidence)

Adaptation options are limited for people who are dependent on agriculture and too poor to afford agricultural machinery. Adaptation options are limited in the construction sector where many poor people work under insecure arrangements. Adaptation might be impossible in certain areas in a +4C world.

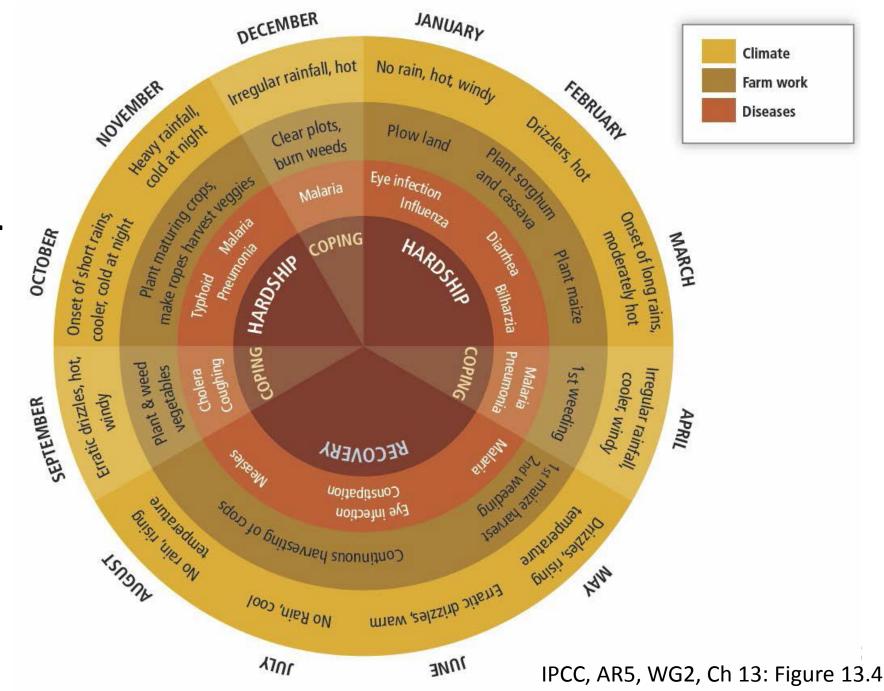


13.2.1.1,
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Box 13-1

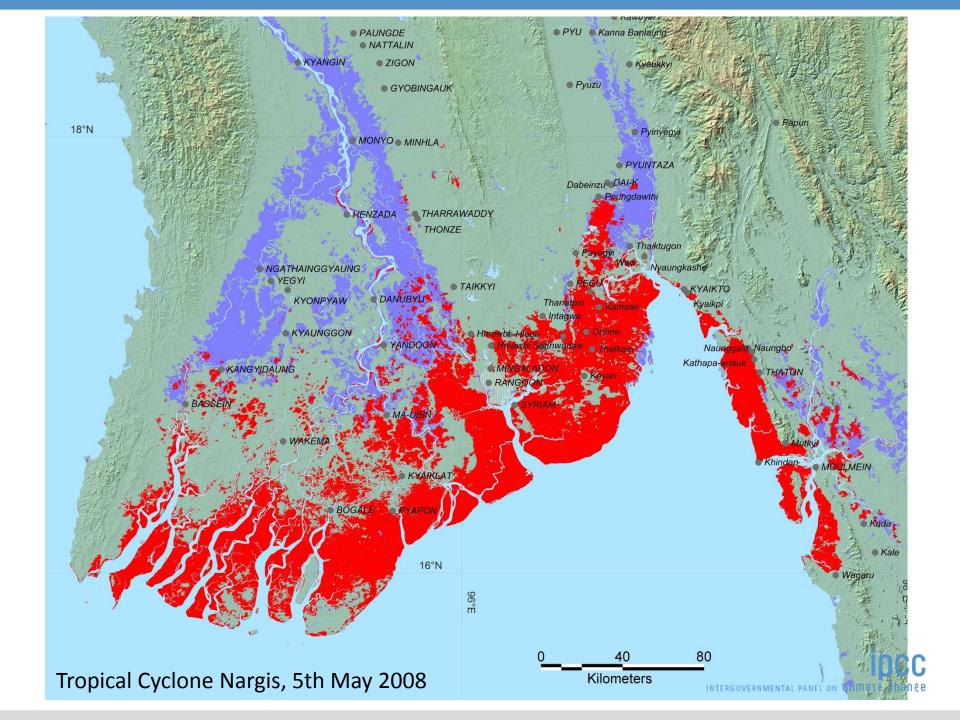


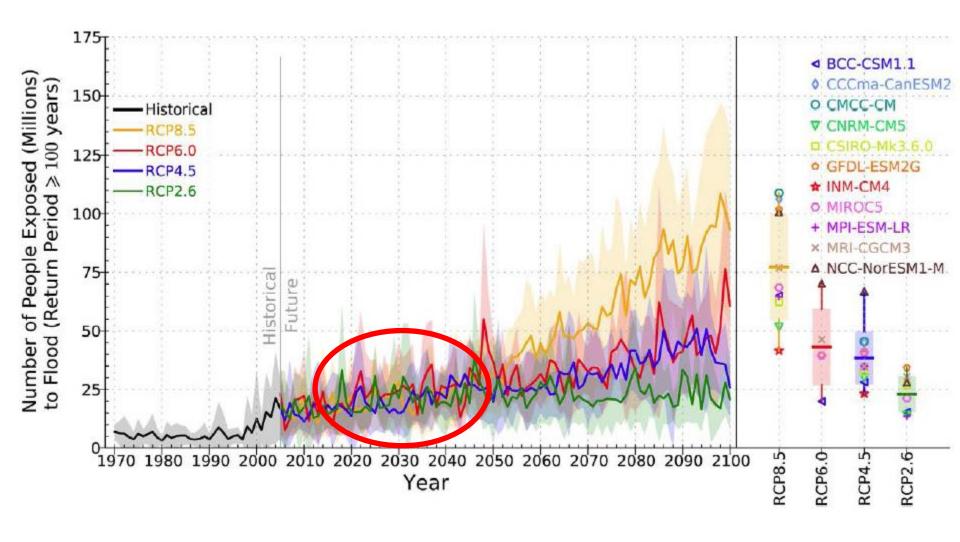












Global exposure to the 20thcentury 100-year flood (or greater) in millions of people (IPGCC AR5, WGII, Ch 3, Figure 3-6)

Take home messages:

- Various forms of inequality reinforce differential vulnerability.
- High risks for poor people already at present situation and in the short term.
- Very high risks after 2050 if > +2C, some
 beyond limits of adaptation for the poor.
- Current mitigation policies may hurt poor people – a call for pro-poor policies.