



Hydro Nation Scholars
Programme

LOSS AND DAMAGE

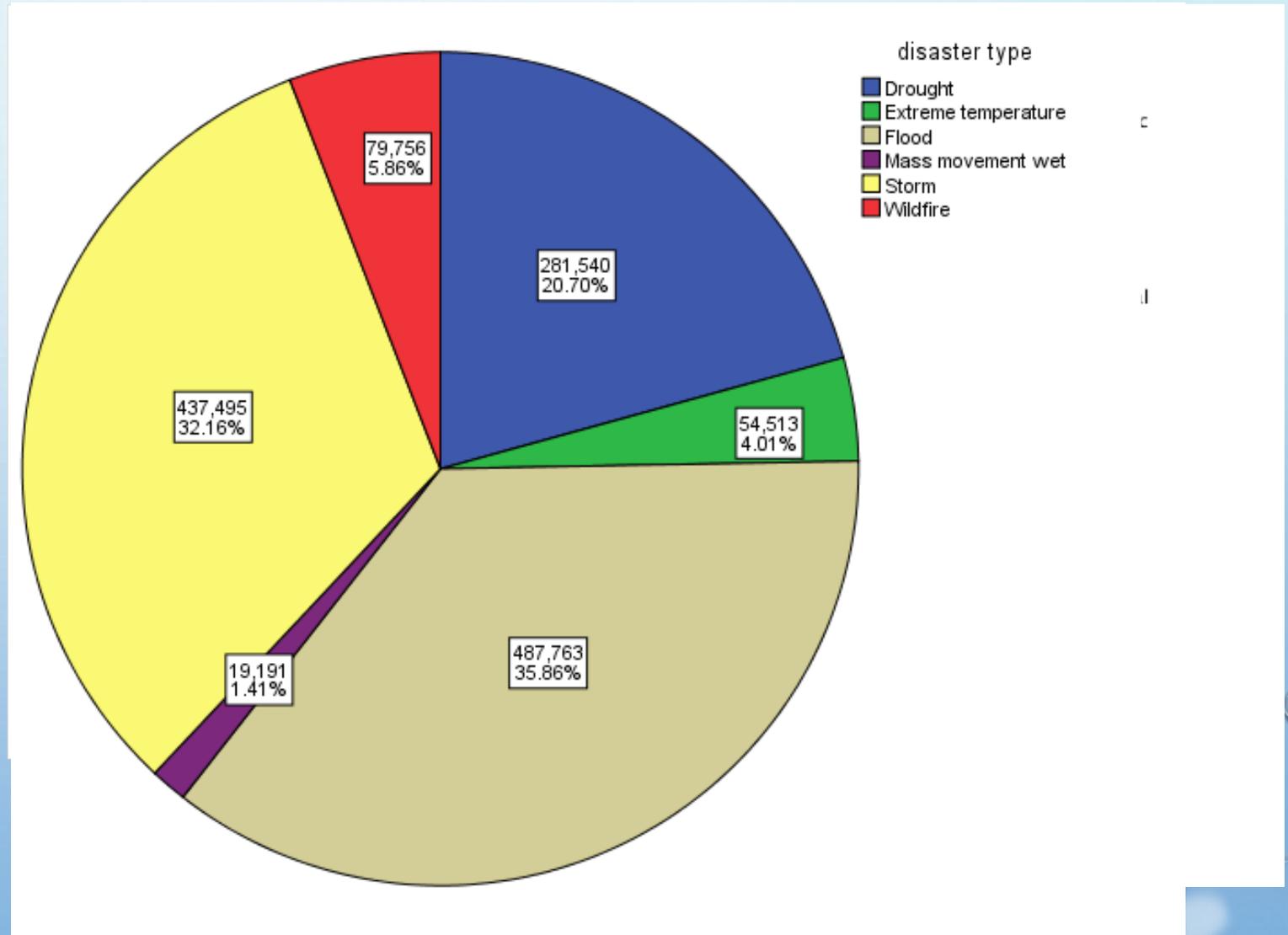
WATER-THE FORGOTTEN AGENDA

BY

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FOUR QUESTIONS

1. CAN WE LIVE WITHOUT WATER?
2. DO WE HATE WATER?



4. CAN WE MANAGE WATER?

Avoided, unavoided and unavoidable

Climate Variability & Change

- Slow-onset processes
- Extreme weather events

A household's potential loss & damage from climate change depends on:

- (1) mitigation efforts (not in figure);
- (2) livelihood context (blue circle);
- (3) its vulnerability profile;
- (4) its coping and adaptive capacity.

Societal impact, e.g. in agriculture, health, food security. Varies between HOUSEHOLDS according to their vulnerability



Current household strategies to cope with extreme events & adapt to climatic changes

Loss & Damage because:

1. Coping or adaptation measures are not (effective) enough to avoid L&D
2. Coping or adaptation measures have costs attached that are not regained
3. Coping or adaptation measures are helpful in short-term but have adverse long-term consequences
4. No measures were adopted (or possible) at all

Natural environment

Natural resources, hazard-proneness

Political environment

Willingness and ability of governments to protect their citizens from the impact of climate change

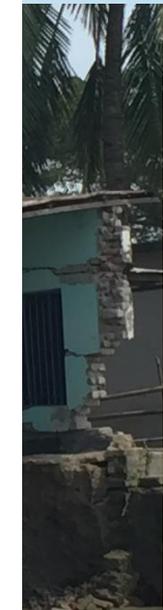
Economy

Natural resource dependency, level of economic development

Human & social capital

Education, health, social networks, population structure

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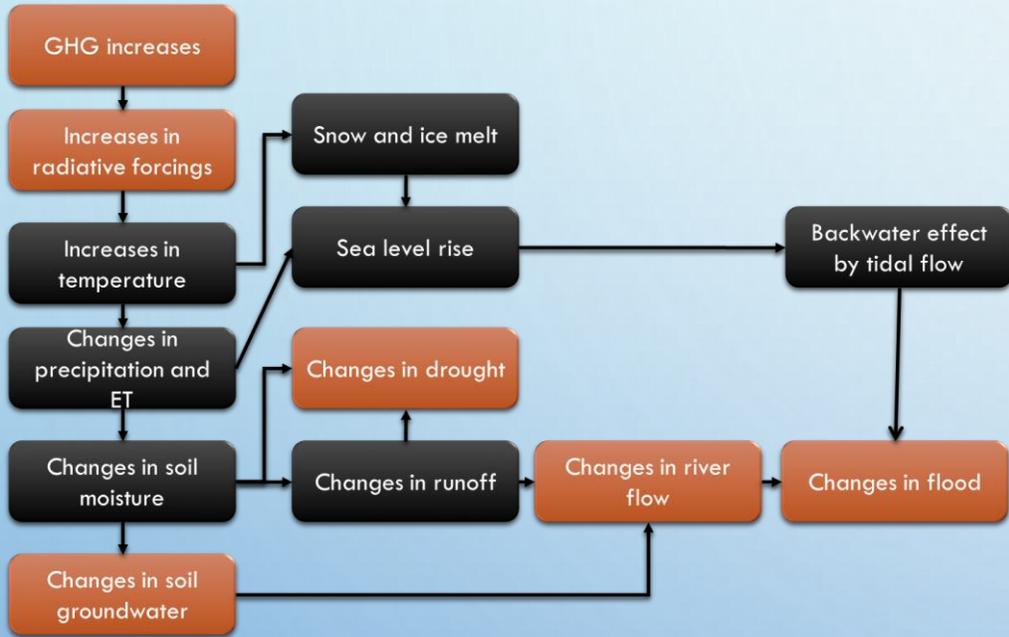


Damaged

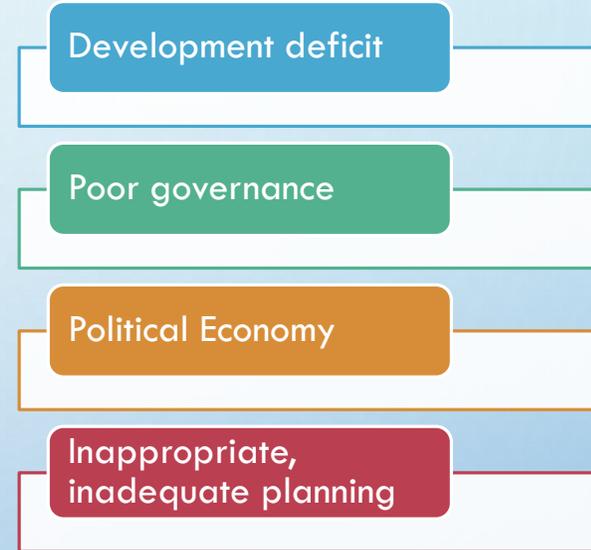
Kees van der Geest and Koko Warner (2012)

WATCH THE CULPRIT..

Hazard exposure is increasing!!



Vulnerability is growing!!

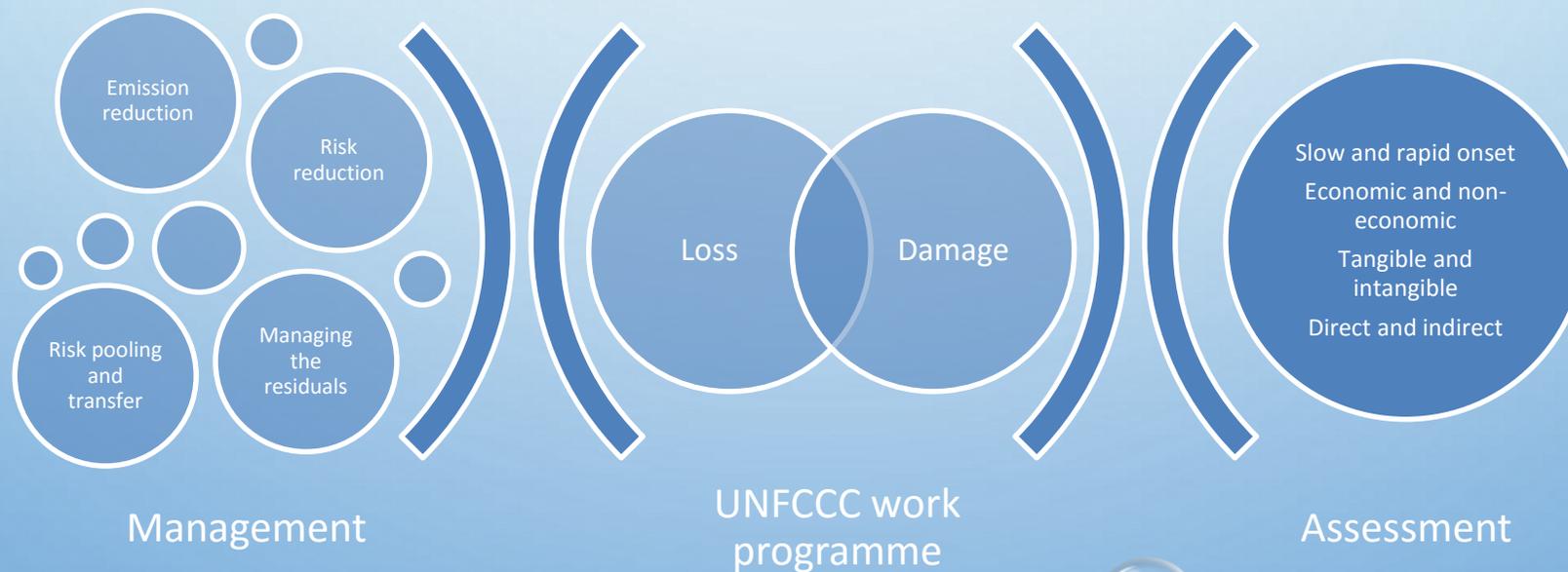


Global mitigation ambition is under question!!

Global adaptation progress has limits!!

CURRENT RESEARCH AGENDA

Developing a river basin management plan for the Ganges-Brahmaputra-Meghna river basins under the lens of loss and damage





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THANK YOU

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