

Scoping Meeting Agricultural Risk Assessment

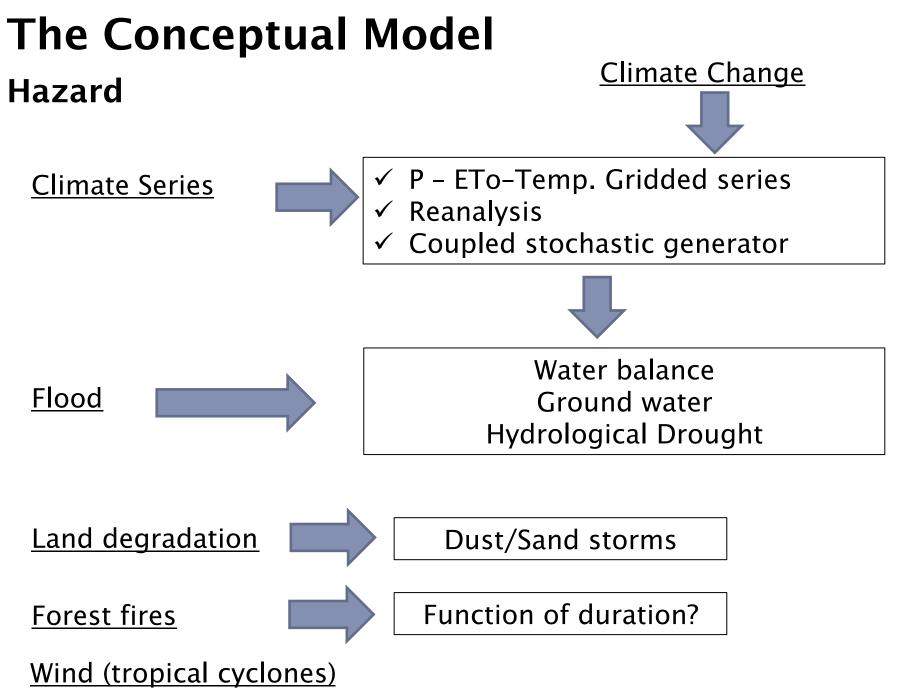
7 - 9 February 2017 - Boulder, Colorado

The new conceptual model

Gabriel Bernal Head of hazard and risk modeling

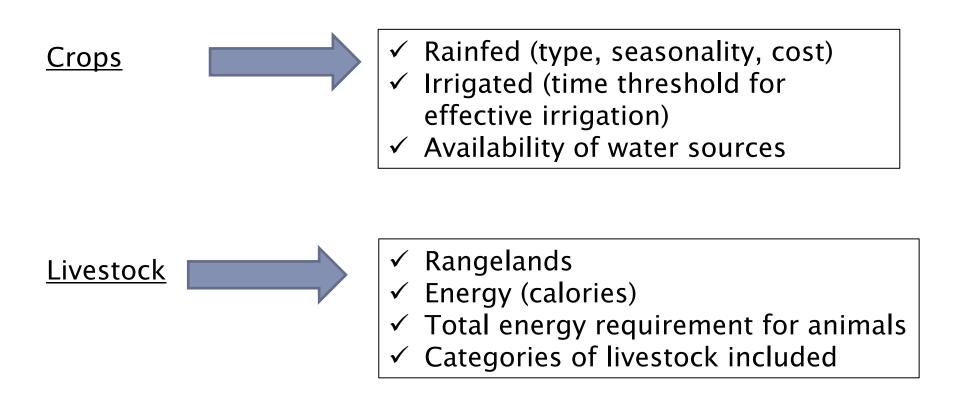
February 9, 2017





The Conceptual Model

Exposure



The Conceptual Model

Vulnerability

Physical

Physical

Risk

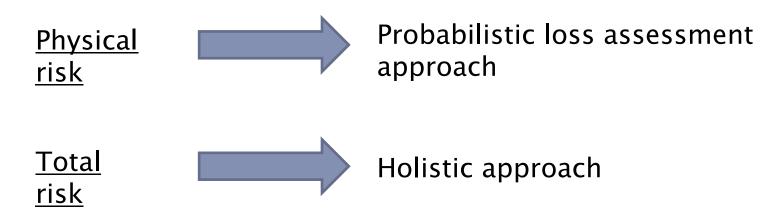
Crop to water response

- Effect of climate series
- Effect of dust storms (transpiration, water storage capacity of the soil)
 Damage due to floods
 Damage due to wind
 Area affected by forest fires



The Conceptual Model

Risk calculation



Validation

- State of the art review by the WB
- Benckmark
 - Case studies
 - UCI (Amir's) approach