



Risk Assessments to Inform Adaptation and Loss & Damage

Earth Information Day COP26

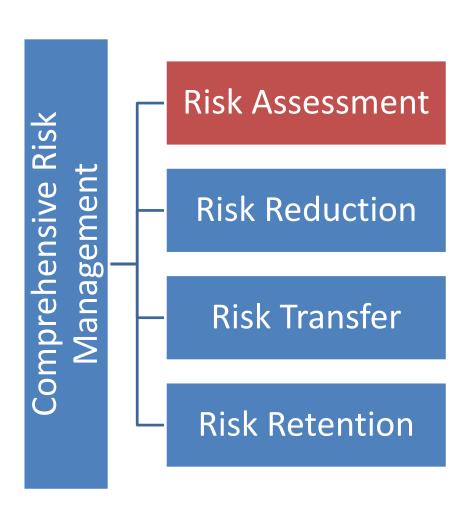
Adelle Thomas, PhD

Climate Analytics; University of The Bahamas

Risk Assessments, Adaptation, Loss & Damage







Risk assessments:

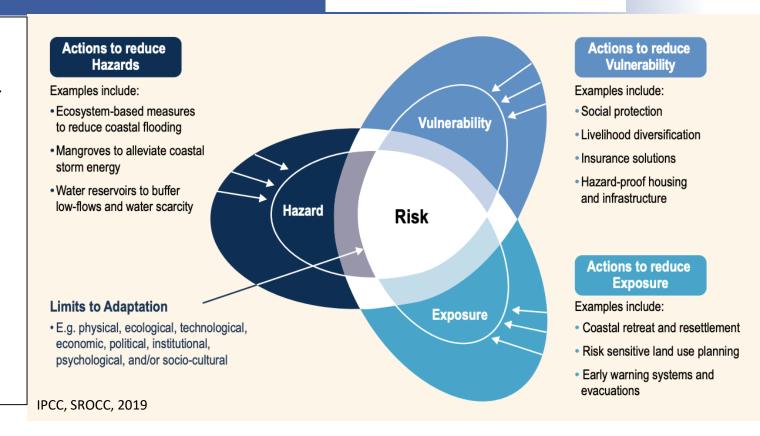
- Characterize risks to inform risk management decisions and actions, including planned adaptation
- Allow for identification of residual risks and potential loss and damage
- Ideally: Cyclical process that includes evaluation of implemented adaptation and experienced loss and damage

Risk is more than hazard





Hazard – climaterelated physical events or trends or their physical impacts Exposure – Presence of things of value in places that could be adversely affected **Vulnerability** – Propensity to be adversely affected

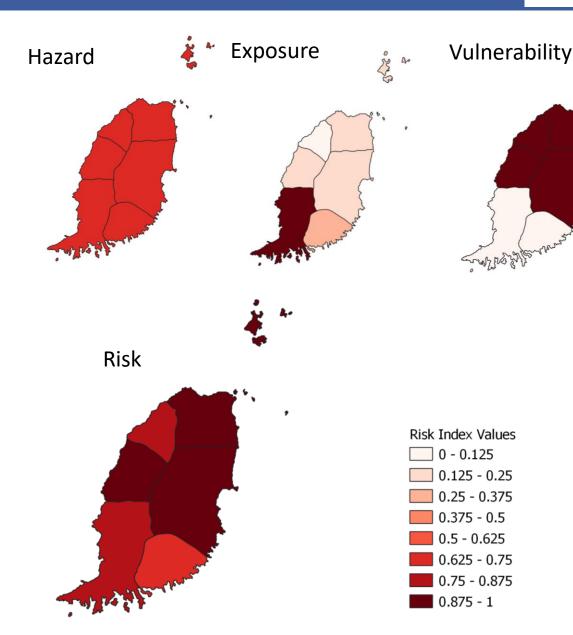


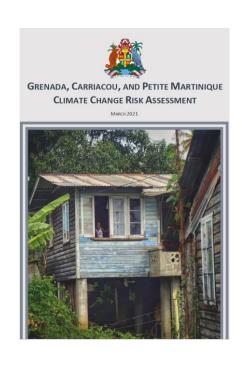
- Risk is determined by interactions between hazards, vulnerability and exposure
- Earth observations/projections are critical but so are improved understandings of the social constructions of vulnerability and exposure

Risk Assessment Case Study: Grenada









- Mapping using quantitative and compound indicators
- Accompanied by detailed vulnerability assessment
- Fed into identification of adaptation strategies and technology needs
- Informed GCF concept note development

Progressing Risk Assessments at National and Subnational Scales





Challenges

- Limited data at fine spatial resolutions
- Fragmented data collection systems
- Limited capacities to analyze and use risk data
- Translating risk assessment outputs for the needs of users to inform action, including differential action needed for highly vulnerable groups
- Assessing cascading, compound and interacting risks

Opportunities/Best Practices

- Variety of risk assessment tools developed for use by range of actors
- Using a combination of quantitative and qualitative risk assessment methods aid in identifying and addressing economic and non-economic loss and damage and involving range of stakeholders
- Linking risk assessments to planning processes including NAPs, DRR strategies and NDCs

WIM ExCom TEG-CRM





- Plan of action
- Resources available:
 - Compendium on CRM Approaches with case studies of risk assessments
 - Stakeholder engagement workshop report on strengthening capacities for observation and risk assessment
 - Series of briefings on compound risks facing vulnerable countries as a result of COVID and climate change
 - Technical guidance on CRM with specific focus on comprehensive risk assessment and integration in planning
- Upcoming initiatives:
 - Action-oriented and practical guide on risk profiles
 - Expert meeting on risk assessment and adaptation