

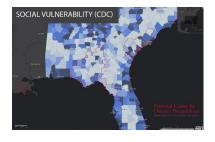
Mapping Complexities and Avoiding Oversimplicity in

Climate Adaptation



About the National Center for Disaster Preparedness

- Established in 2003, the National Center for Disaster Preparedness works to understand and improve the nation's capacity to prepare for, respond to and recover from disasters.
- Four focus areas:
 - System readiness
 - Disaster recovery
 - Citizen engagement, and
 - Vulnerable populations
- NCDP carries out research and policy analysis in these areas, and provides education, training and technical support to public health workers, local and regional governments, and public health, hospital, and community partners.



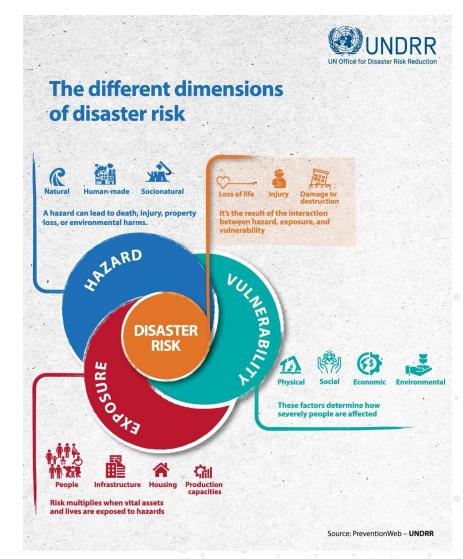






Defining Risk

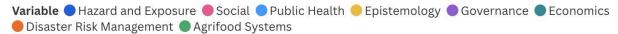
RISK = Hazard x Vulnerability
Capacity to Cope

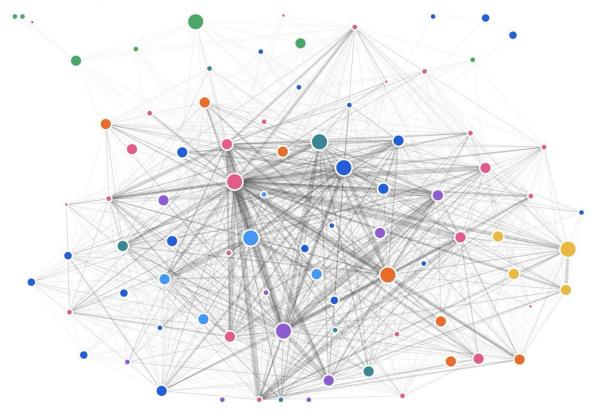


Embracing Complexity

DISASTER GENOME PROJECT (IN DEVELOPMENT)

The Disaster Genome - Prototype

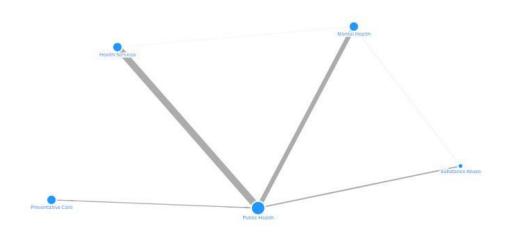




Non-exhaustive; for illustration purposes only

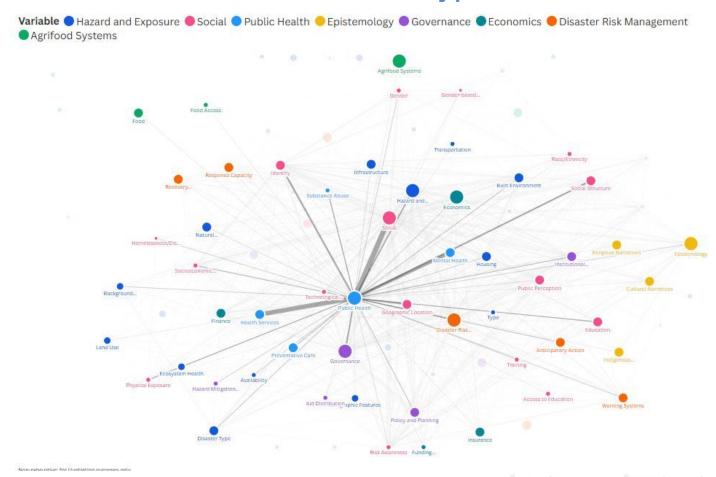
The Disaster Genome - Prototype





Non-exhaustive; for illustration purposes only

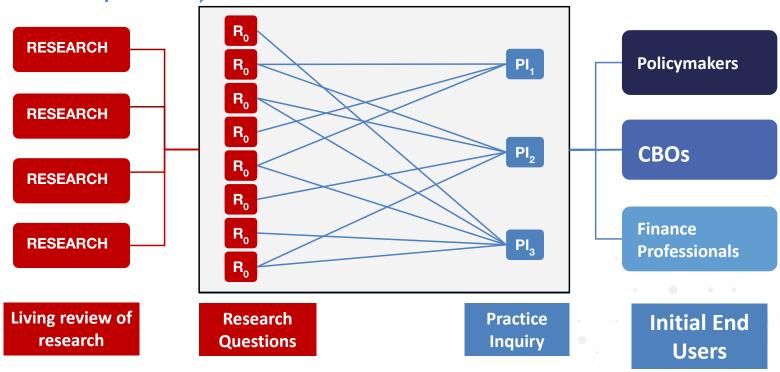
The Disaster Genome - Prototype





Disaster Genome Prototype Tool (under

development)

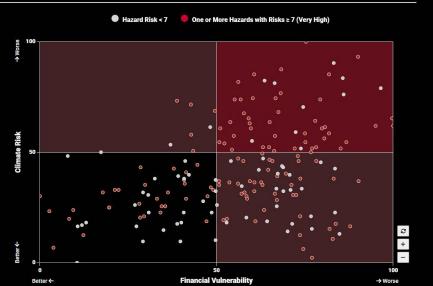


End-users will interface with a "business intelligence system" – we are building the "wiring" for this system by identifying and mapping disaster variables.

Making Smarter Decisions

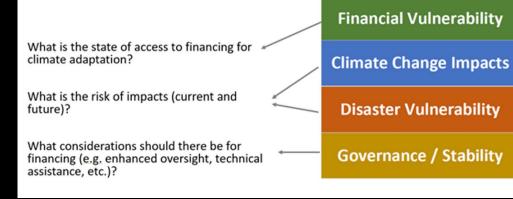
CLIMATE FINANCE VULNERABILITY INDEX (CLIF-VI)





Rank by Index Score

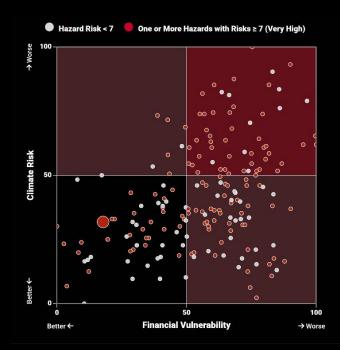




India

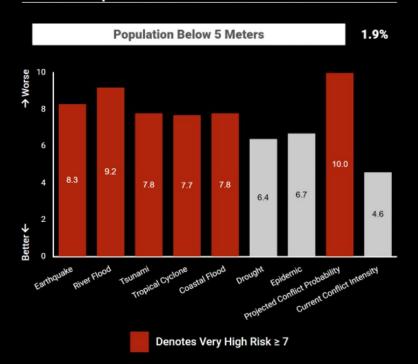
Rank

Financial Vulnerability	17.8
Climate Risk	31.8
Score	24.8
Rank	17 ^{тн}

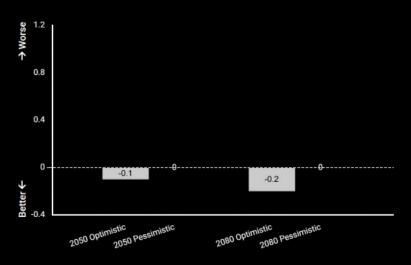


Climate Vulnerability

Hazard and Exposure



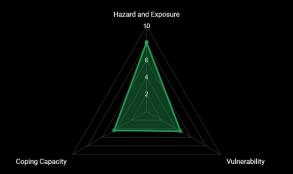
Change in Climate Risk



Climate Vulnerability (Cont.)

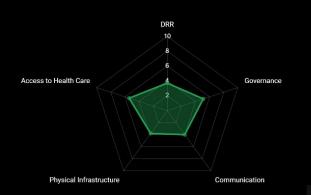
Current Risk

Higher values denote greater vulnerability



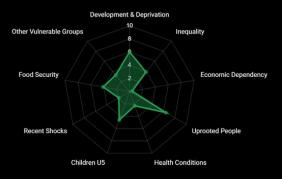
Coping Capacity

Higher values denote greater vulnerability



Vulnerability Dimensions

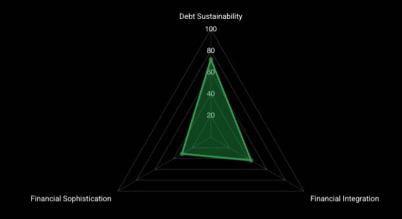
Higher values denote greater vulnerability

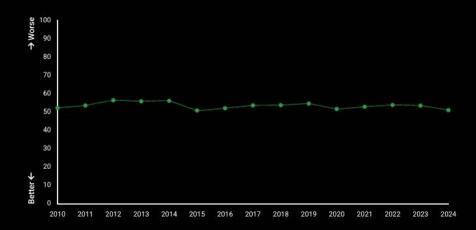


Financial Vulnerability

Financial Vulnerability Indicator

Higher values denote greater vulnerability

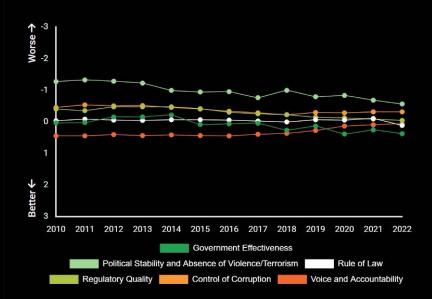




Governance Considerations

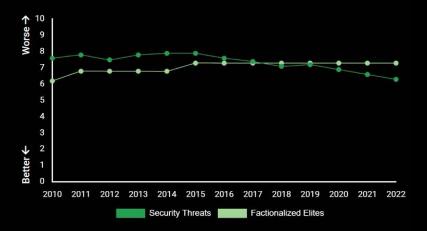
Data from Worldwide Governance Indicators

Select and deselect a dataset for the chart by clicking on the legend

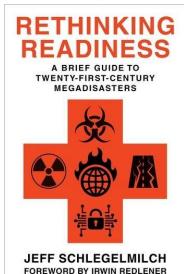


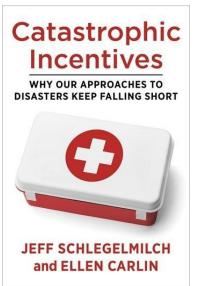
Data from Fragile States Index

Select and deselect a dataset for the chart by clicking on the legend



Thank you!





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COLUMBIA CLIMATE SCHOOL Climate, Earth, and Society

