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Role of Infrastructure and Governance to Adaptation



Stockholm Water Week 24 August, 2015 Dr. Jerome Delli Priscoli USACE - IWR Governor World Water Council Editor in Chief Water Policy







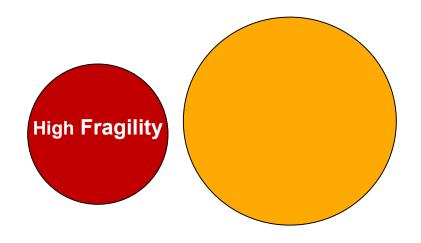


Climate Vulnerability and Instability

Fragility Category	Highly Vulnerable to Climate Threats?		
	Yes	No	Total
High or Highest Overall Fragility	27	6	33
	(82%)	(18%)	100%
High or Highest Effectiveness Fragility	38	5	43
	(88%)	(12%)	100%
High or Highest Legitimacy Fragility	21	15	36
	(58%)	(42%)	100%

NOTE: The top number in each cell refers to the number of countries in each category. The bottom number is the percentage of the total number of countries in each fragility category

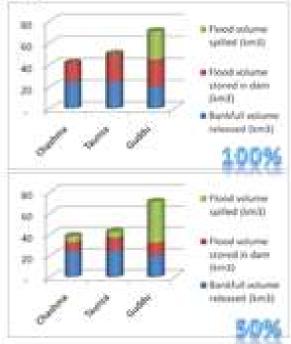
- Most states that are highly fragile or at high risk for instability are also vulnerable to climate related threats.
- The converse, however, is not true
- These findings remain preliminary. Research is ongoing.

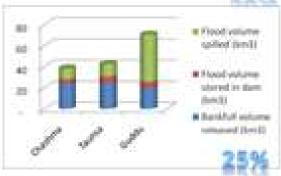


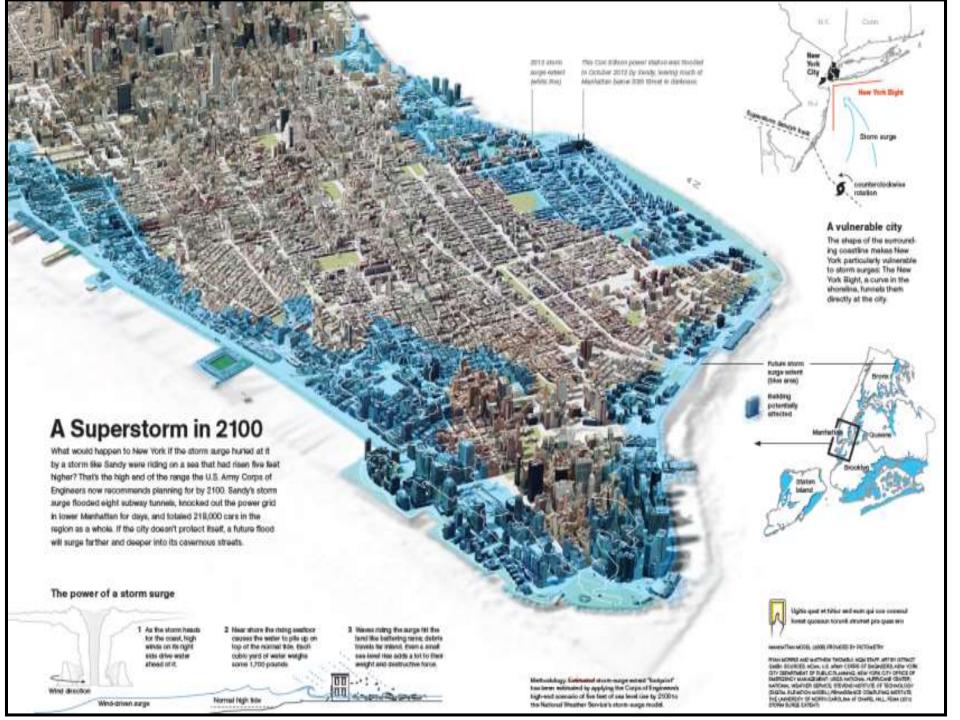
High Climate Vulnerability

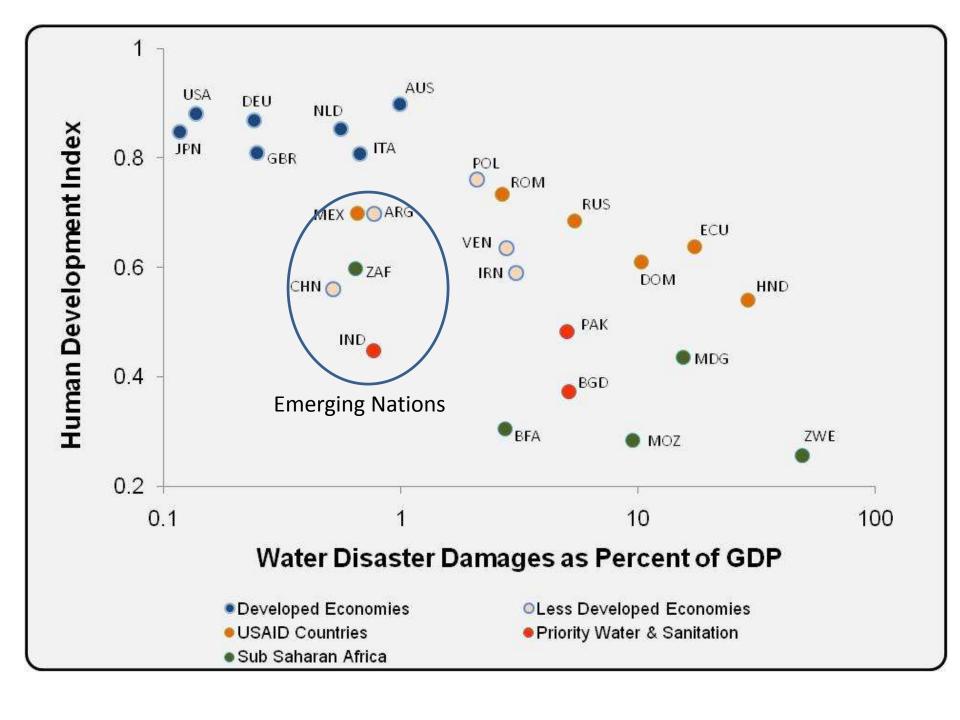
Unrealized Proposed Storage Projects Would Have Mitigated Flood

- Existing, proposed storage almost exclusively on Western waters
 - Consistent with Indus Basin Treaty
 - Reflects priority to develop beneficial uses
 - Less emphasis on managing massive floods
- Upstream of Western / Eastern confluence
 - Proposed reservoirs could potentially manage 66-100% of August 2010 flood volumes*
- Downstream of Confluence:
 - only 25-50% of flood volumes managed*
- Graphs show portion of 2010 flood waters which could have been stored using 100%, 50%, and 25% of total proposed storage









Thank you