

# A Paradigm Shift for Disaster Resilience



**UNDRR**

UN Office for Disaster Risk Reduction

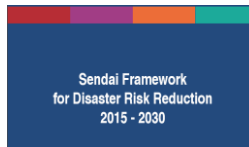
**SEDAI FRAMEWORK**

FOR DISASTER RISK REDUCTION 2015-2030

# 2030 Agenda for Sustainable Development



UN World Conference on  
Disaster Risk Reduction  
2015 Sendai Japan



## Conference of the Parties

Twenty-first session

Paris, 30 November to 11 December 2015

Agenda item 4(b)

Durban Platform for Enhanced Action (decision 1/CP.17)

Adoption of a protocol, another legal instrument, or an  
agreed outcome with legal force under the Convention  
applicable to all Parties



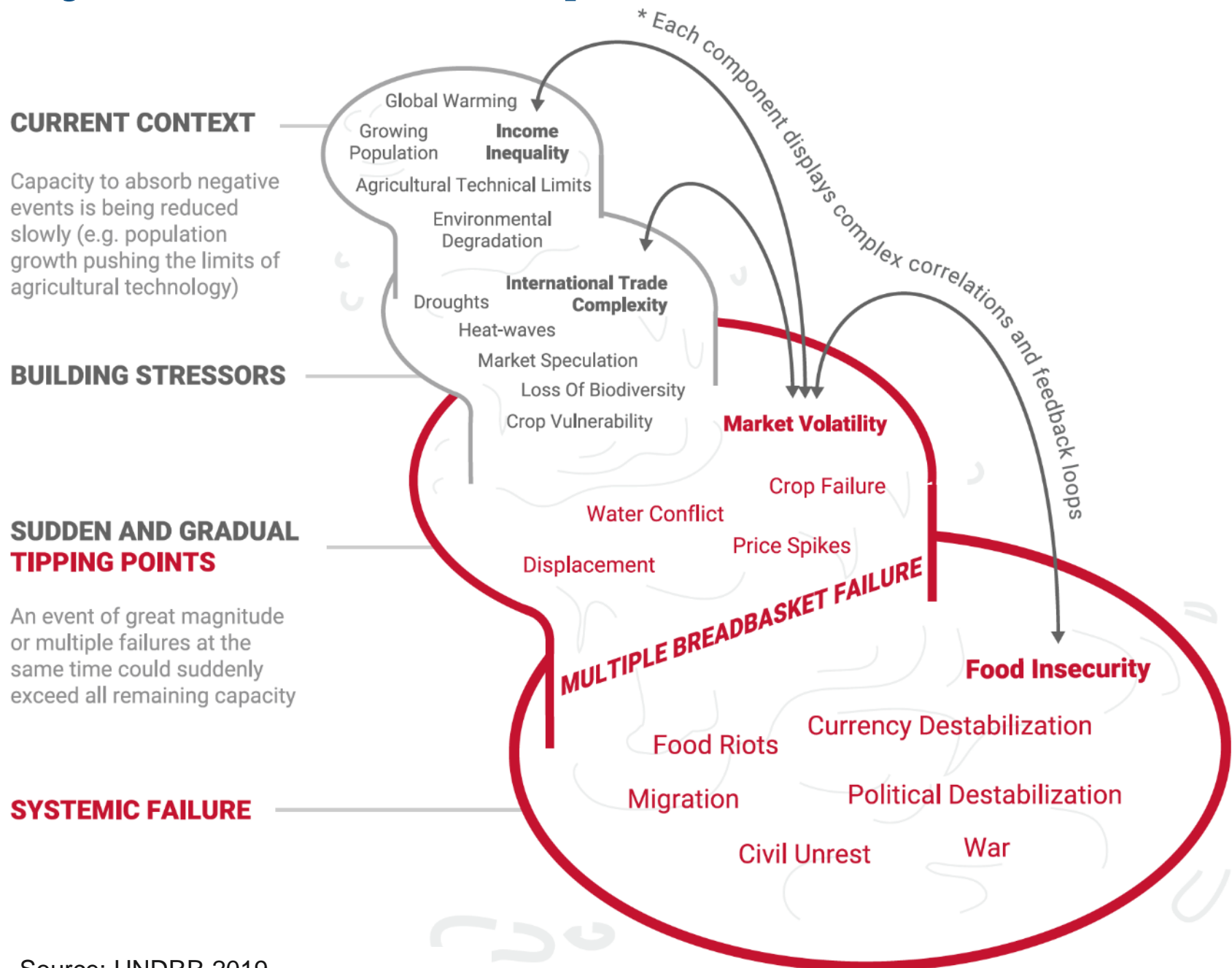
## ADOPTION OF THE PARIS AGREEMENT



# Characteristics of Systemic Risks

- Failure in one or more sub-component(s) of the system lead to further cascading effects that affect the larger system
- Contains multiple self-reinforcing feedback mechanisms making it difficult to reverse
- Highly interconnected and intertwined with one another

# Example of Systemic Risks: Multiple Breadbasket Failure

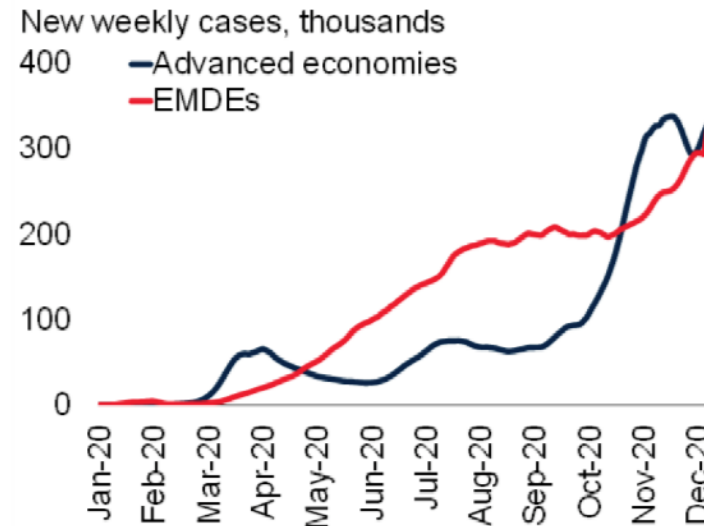




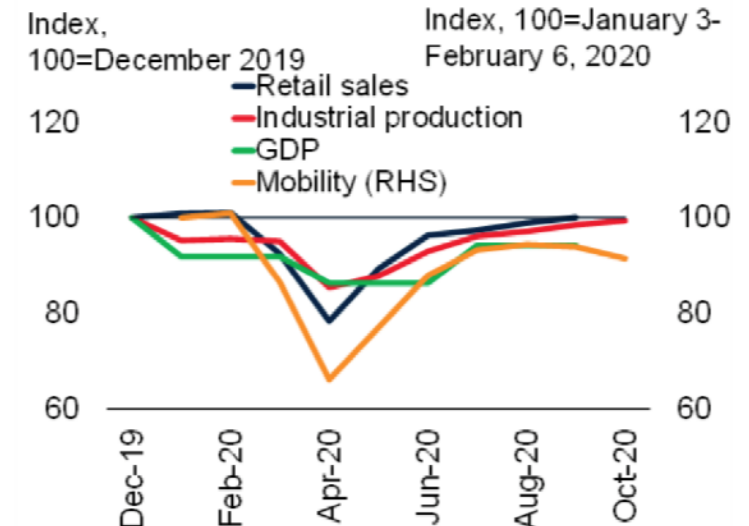
# COVID 19 and the Systemic Nature of Risk

## COVID 19 global prospects

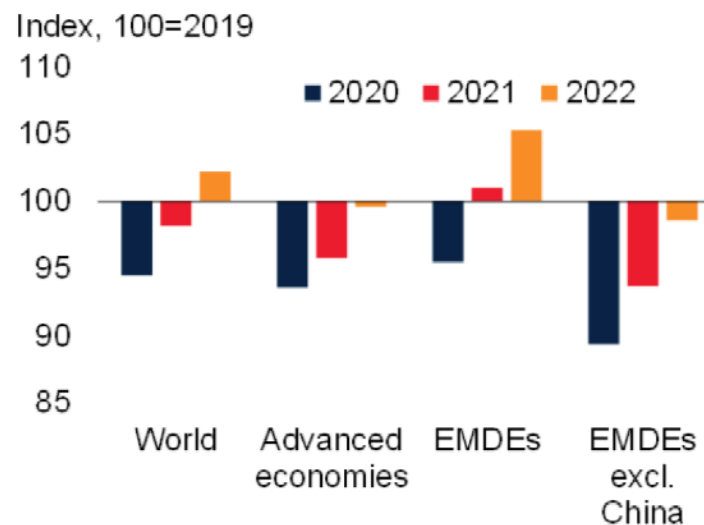
**A. Evolution of the pandemic**



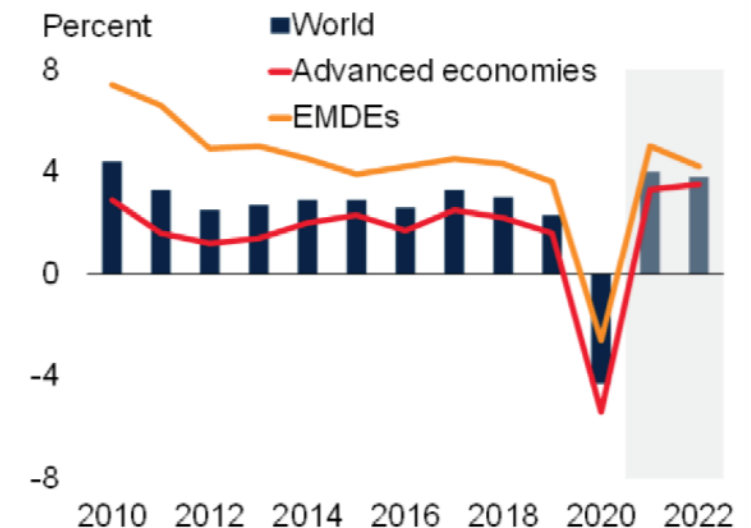
**B. Global activity indicators**



**C. Investment levels over 2020-22**



**D. Global growth**



Source: Google COVID-19 Community Mobility Reports (database); Haver Analytics; Our World in Data (database); World Bank.

## Prioritized and non-prioritized budget lines

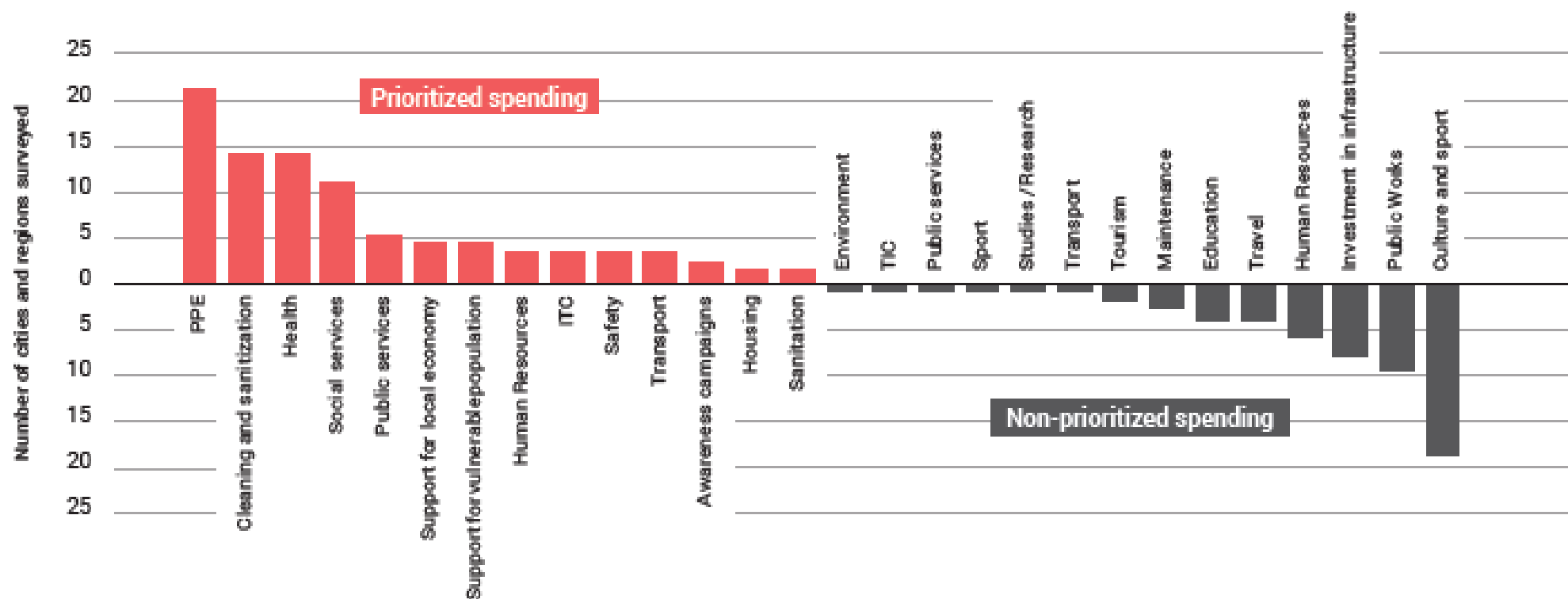
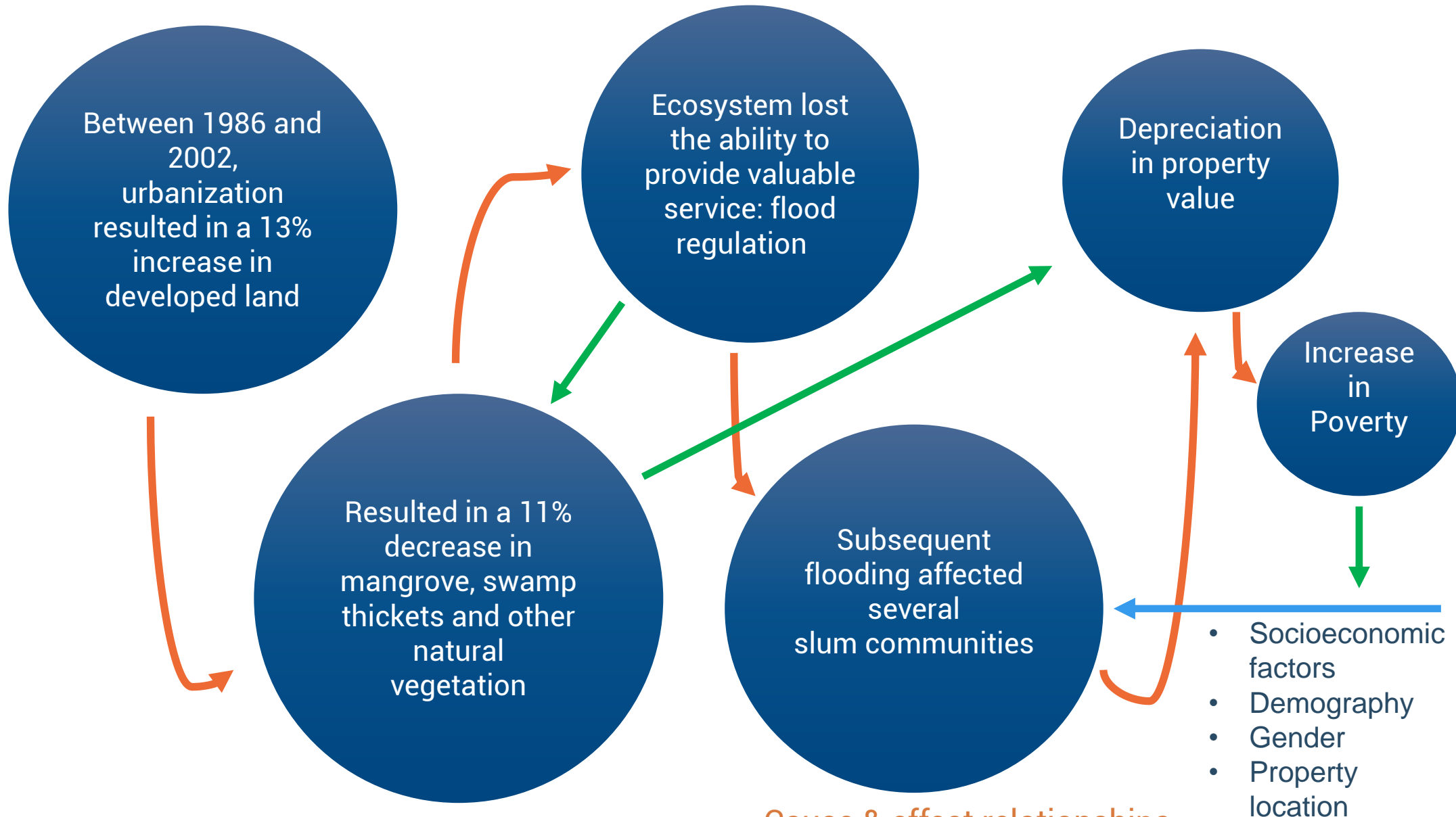


Fig 4. Spending priorities during the COVID-19 emergency. Source: UCLG, Metropolis & LSE. 2021.

# Risk & Interacting Urban Subsystems, Lagos, Nigeria



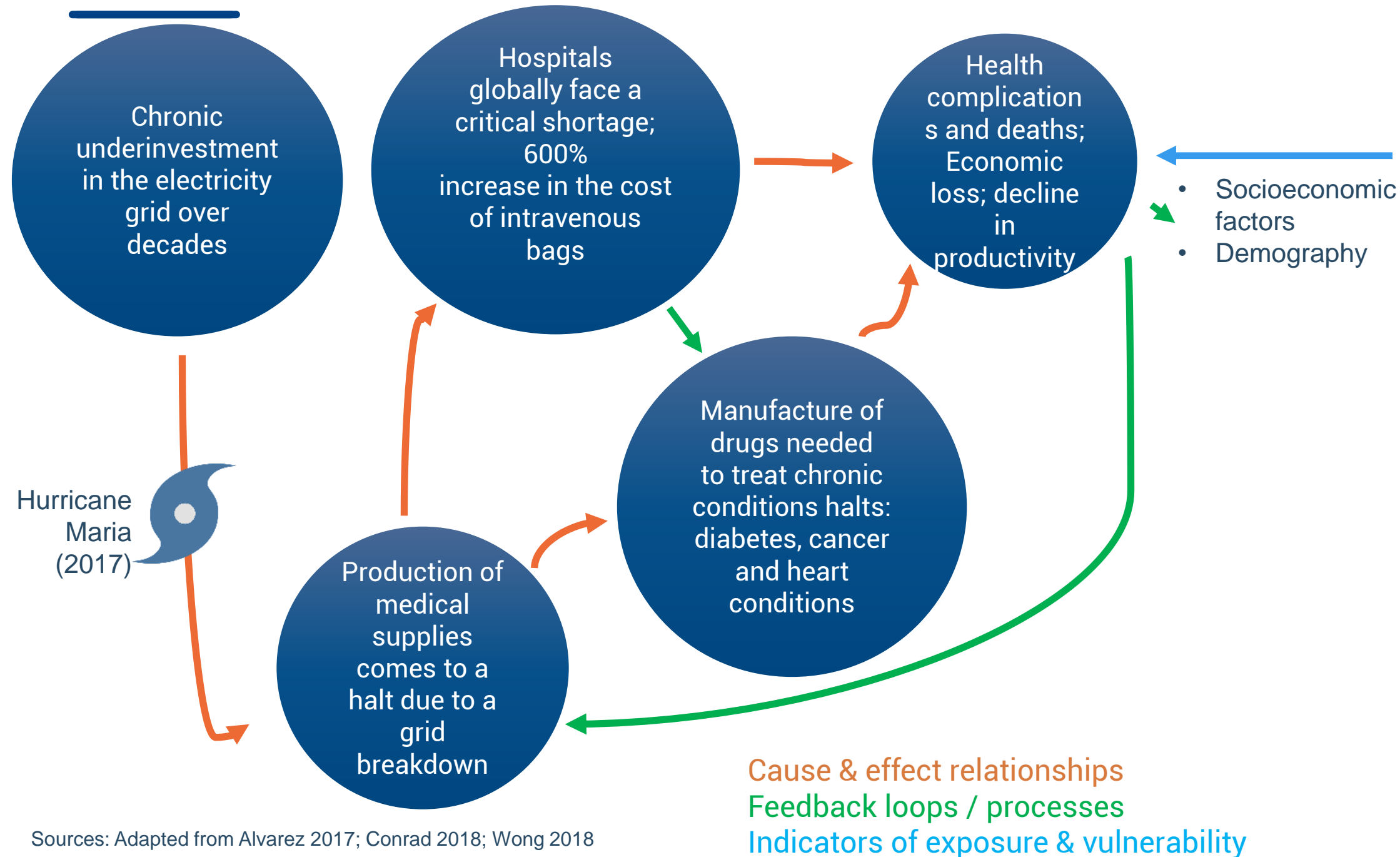
Sources: Adapted from Okude and Ademiluyi 2006; Adelekan 2010

Cause & effect relationships

Feedback loops / processes

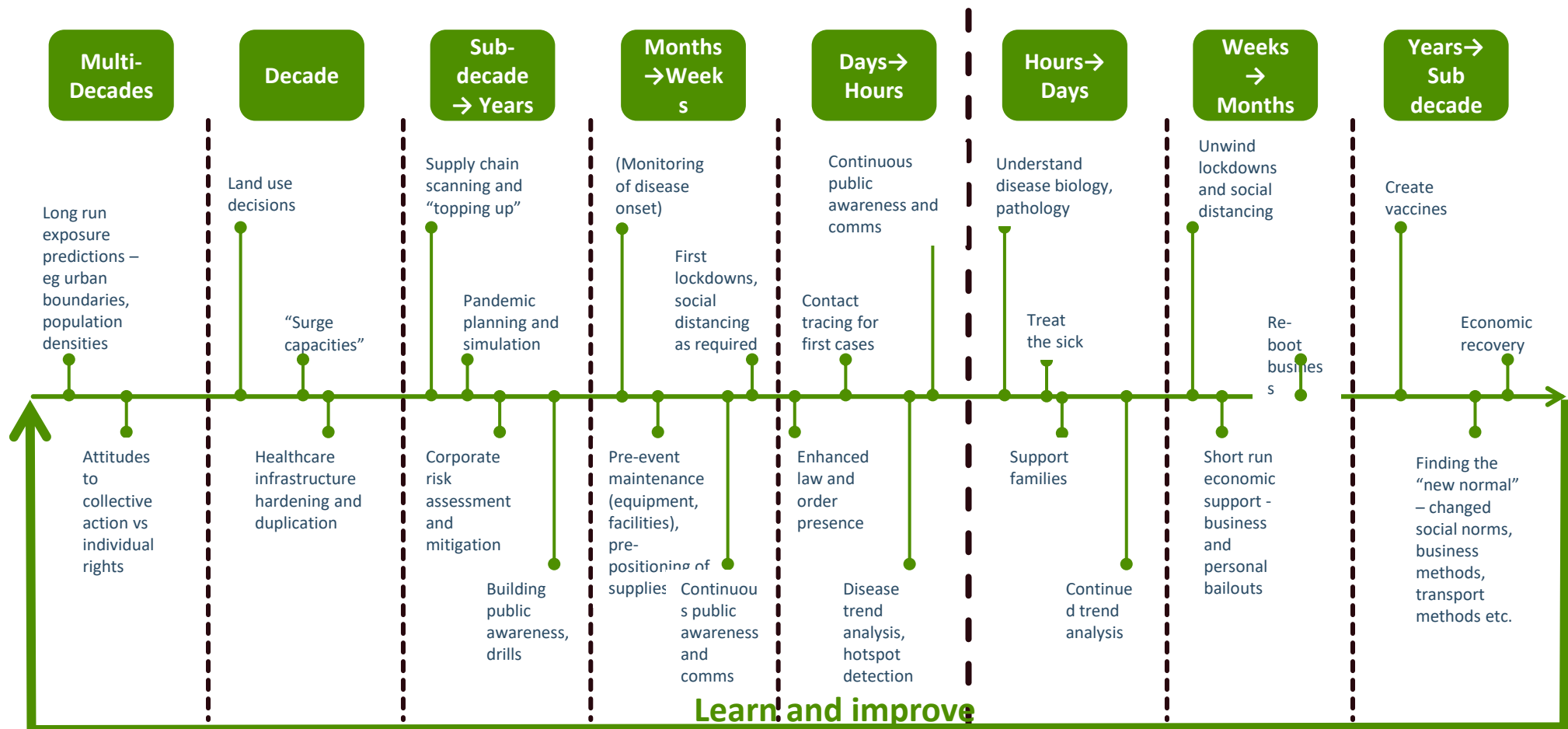
Indicators of exposure & vulnerability

# Latent Systemic Risk, Puerto Rico



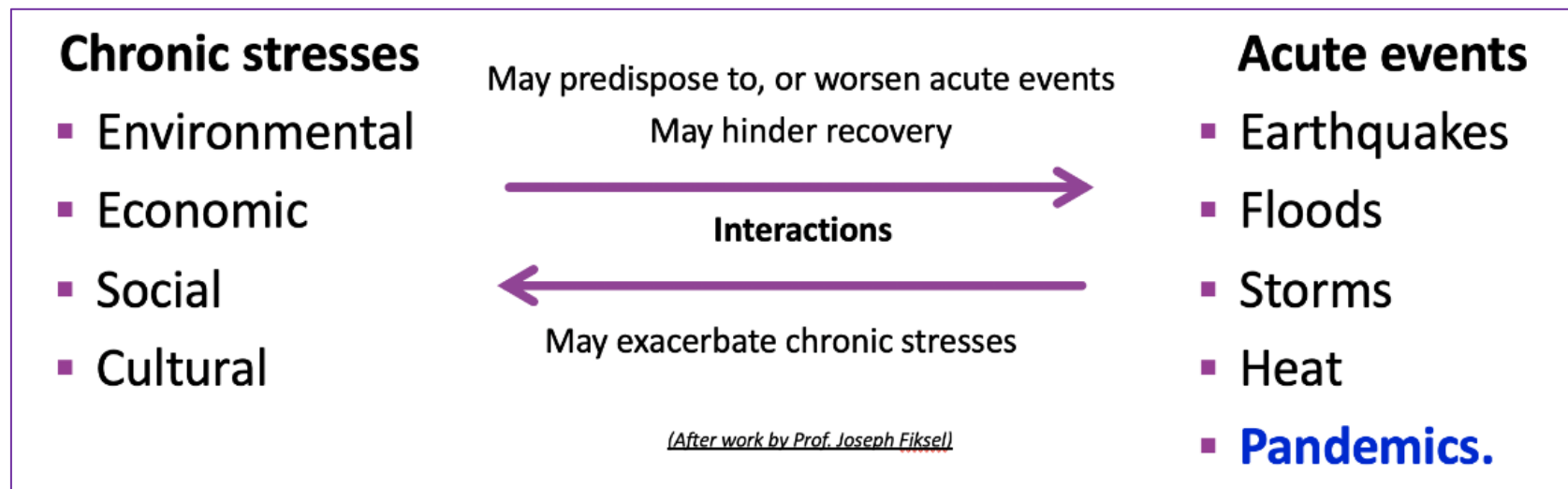


# Resilience is a process, with multiple timescales.

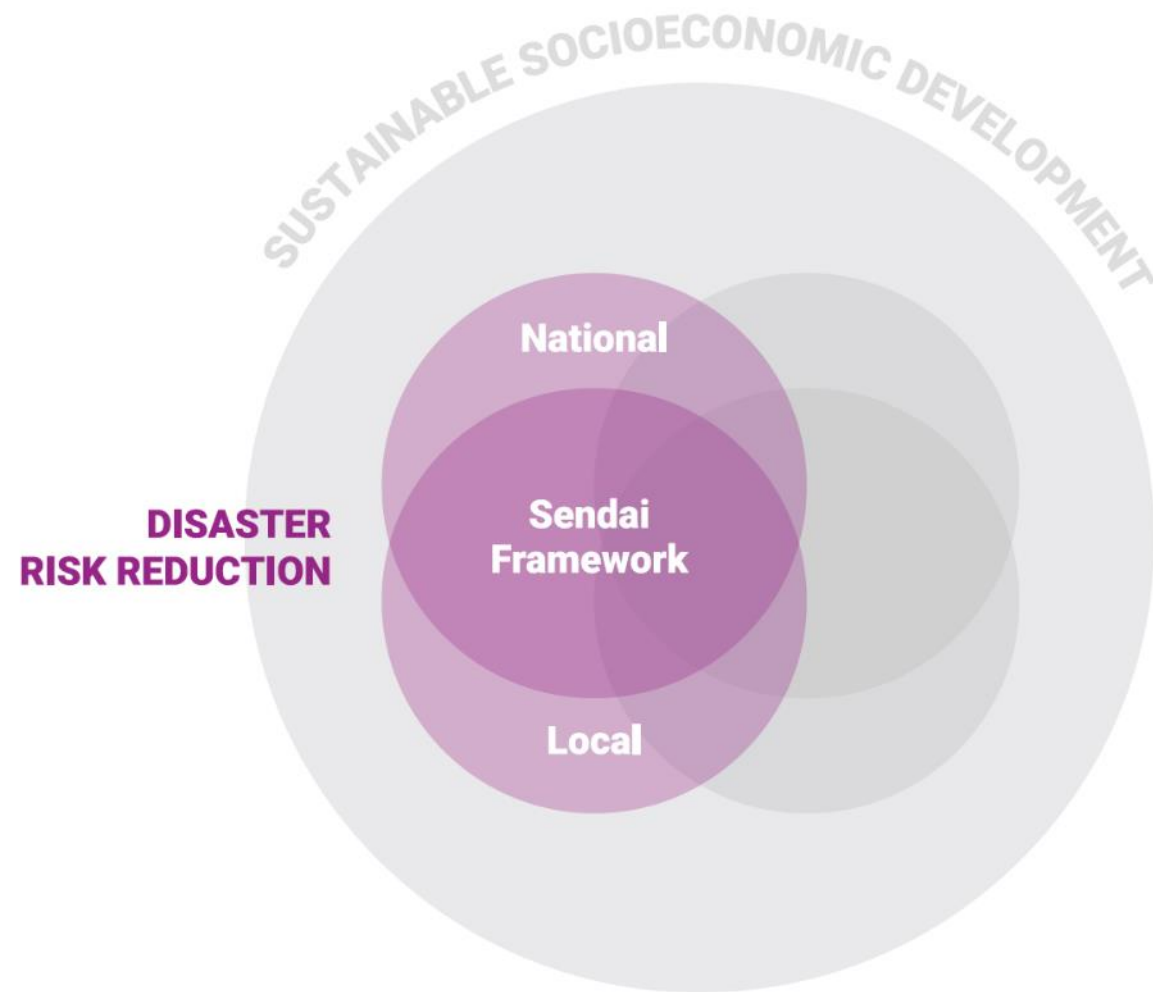


# Resilience embraces chronic stresses and acute events

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# Importance of National and Local Disaster Risk Reduction Strategies and Plans



- To put in place, a functioning risk governance system
- Setting implementation milestones
- Establishing the key roles and responsibilities of govt and NGO's
- To effectively implement policy



National and Local DRR strategies and plans aligned with Sendai Framework

# Thank you