

# Disaster-related statistics and the linkages to SEEA

*Ninth Joint OECD-UNECE Seminar on SEEA Implementation*  
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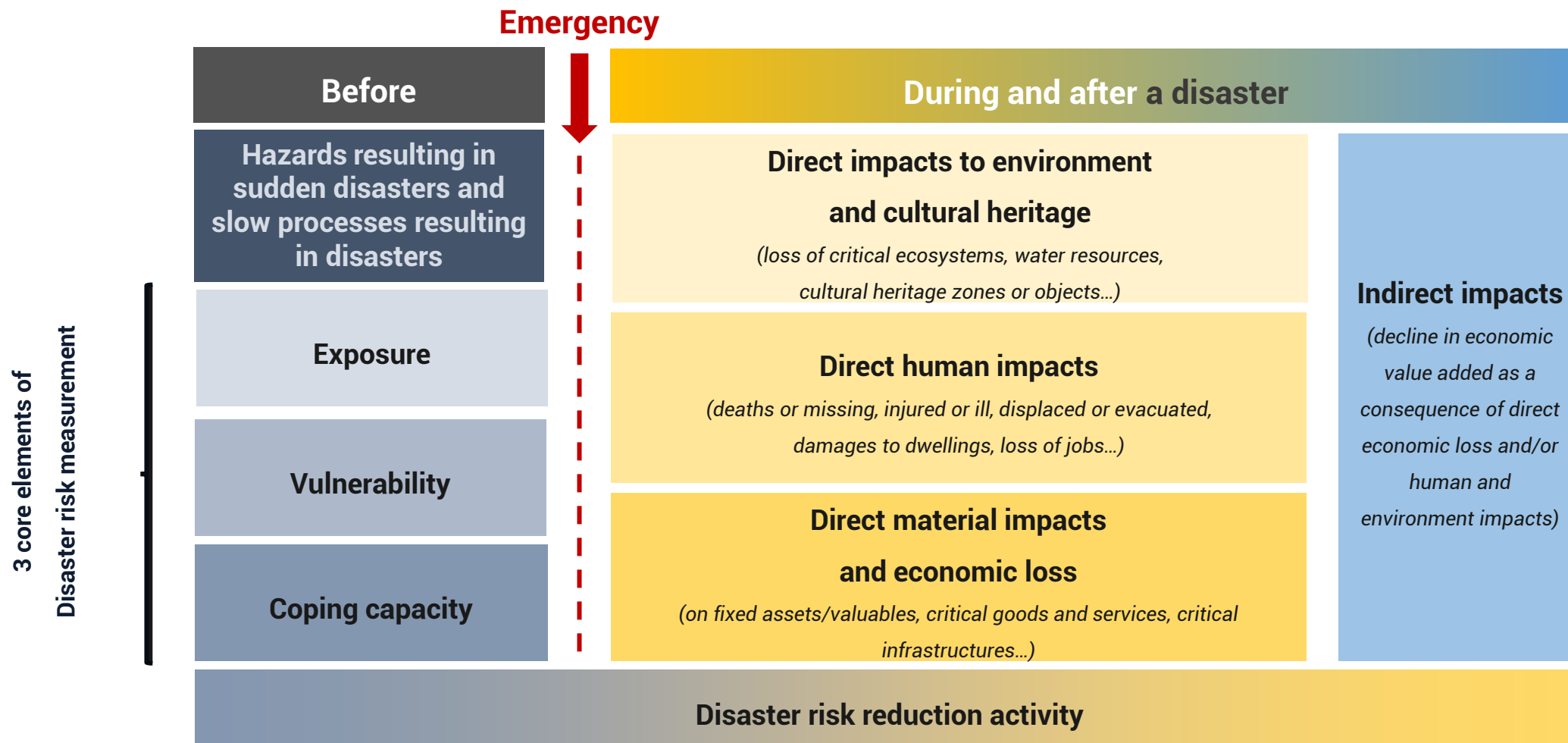
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# Why Disaster-Related Statistics (DRS) & Disaster-related Statistics Framework (DRSF)?

- Policy frameworks (e.g., the 2030 Agenda, the Sendai Framework, national policies and strategies, etc.) define WHAT should be measured to achieve DRR goals and targets.
  - Countries differ in DRS practices → *incoherent*
  - Many institutions involved in collecting disaster “related” data → *fragmented*
- Role of DRSF is HOW to meet above information demands.
  - A tool for integrating and improving quality of statistics from *multiple sources and multiple government agencies*

# Components of the DRSF



# Components of the DRSF (con't)

## Basic range of disaster- related statistics

*Disaster occurrences*

*Background statistics and exposure to hazards*

*Human impacts*

*Direct material impacts in physical terms*

*Direct material impacts in monetary terms*

*Material impacts to Agriculture*

*Direct environmental impacts*

*Disaster risk reduction expenditure accounting (DRRE)*

**Indirect impacts?**

# The linkages: DRS and SEEA

## SEEA-CF

### Assets

*Reduction in stocks: catastrophic losses*

### Physical flows

*Disrupt supply & use of products, increase wastes & water emissions, impacts to HHs?*


### Monetary flows

*DRR expenditure accounts*

## SEEA-EA

**Changes in ecosystem assets**  
*(extent + condition)*

**Changes in ecosystem services**



## Many issues...

- Scope of “environment” and “ecosystem” assets and their impacts from disasters (align with SEEA?)
- Treatment of changes in ecosystem services from disasters
- Treatment of climate-induced disasters (e.g., slow-onset, multi-year events)
- Defining DRR activities and expenditure (learn from EPEA&EGSS?)
- Measurement and valuation of disaster impacts
- Disaster definition, and related classification/terminologies
- Role of NSOs
- ...

## ... a lot of work has begun to address them.

- Disaster-Related Statistics Framework (DRSF)
- Recommendations on the role of official statistics in measuring hazardous events and disasters
- Measuring hazardous events and disasters: set of core disaster-risk-related indicators
- Hazard Information Profiles (HIPs)
- IAEG-DRS: global common framework for DRS
  - Issue papers on economic losses, DRRE accounts, environmental and ecosystem losses
  - Practical guides on disaster occurrence statistics and direct economic impacts on dwellings
  - Work is underway; opportunities for the SEEA community to contribute → *HOW?*

**THANK YOU**

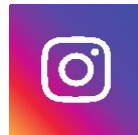




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