



Impacts: Costs of Disasters

Impact assessment

Impacts to basic services

- Health services
- Educational services
- Public administration
- Water
- Other basic services

2.5 Critical infrastructures [2.1.2], [2.1.3.1], [2.1.4]

2.5.1 Hospitals, health facilities

2.5.2 Education facilities

2.5.3 Other critical public administration buildings

2.5.4 Public monuments

2.5.5 Roads

2.5.6 Bridges

2.5.7 Airports

2.5.8 Piers

2.5.9 Railway Stations

2.5.7 Transport equipment

2.5.8 Electricity generation facilities

2.5.9 Electricity grids

2.5.10 ICT equipment

2.5.11 Dams

2.5.12 Water supply infrastructure

2.5.13 Water sewage & treatment systems

2.5.14 Agriculture and, livestock, fish stocks, and managed forests

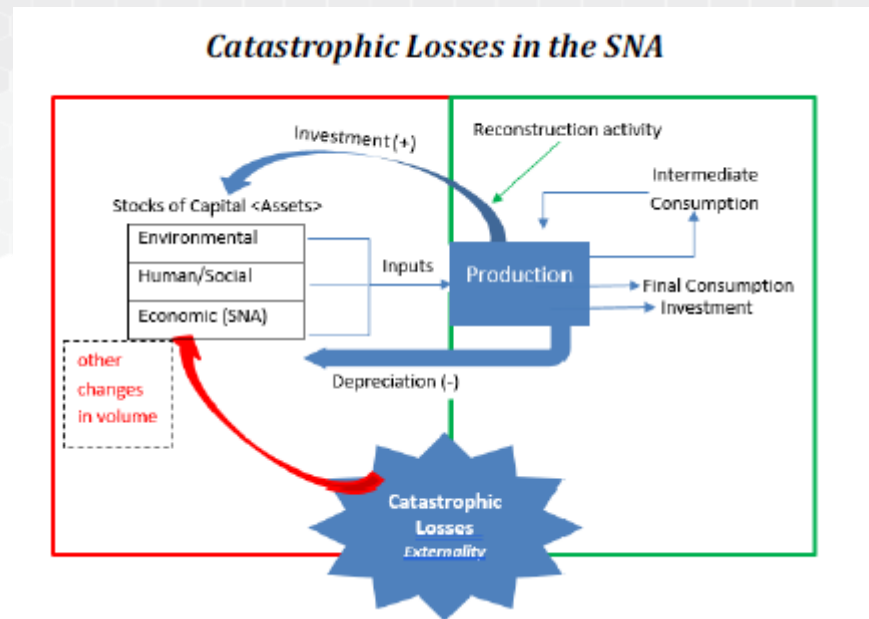
2.5.15 Other non-public critical infrastructures

Directly affected: People who have suffered injury, illness or other health effects; who were evacuated, displaced, relocated; or have suffered direct damage to their livelihoods, economic, physical, social, cultural and environmental assets.

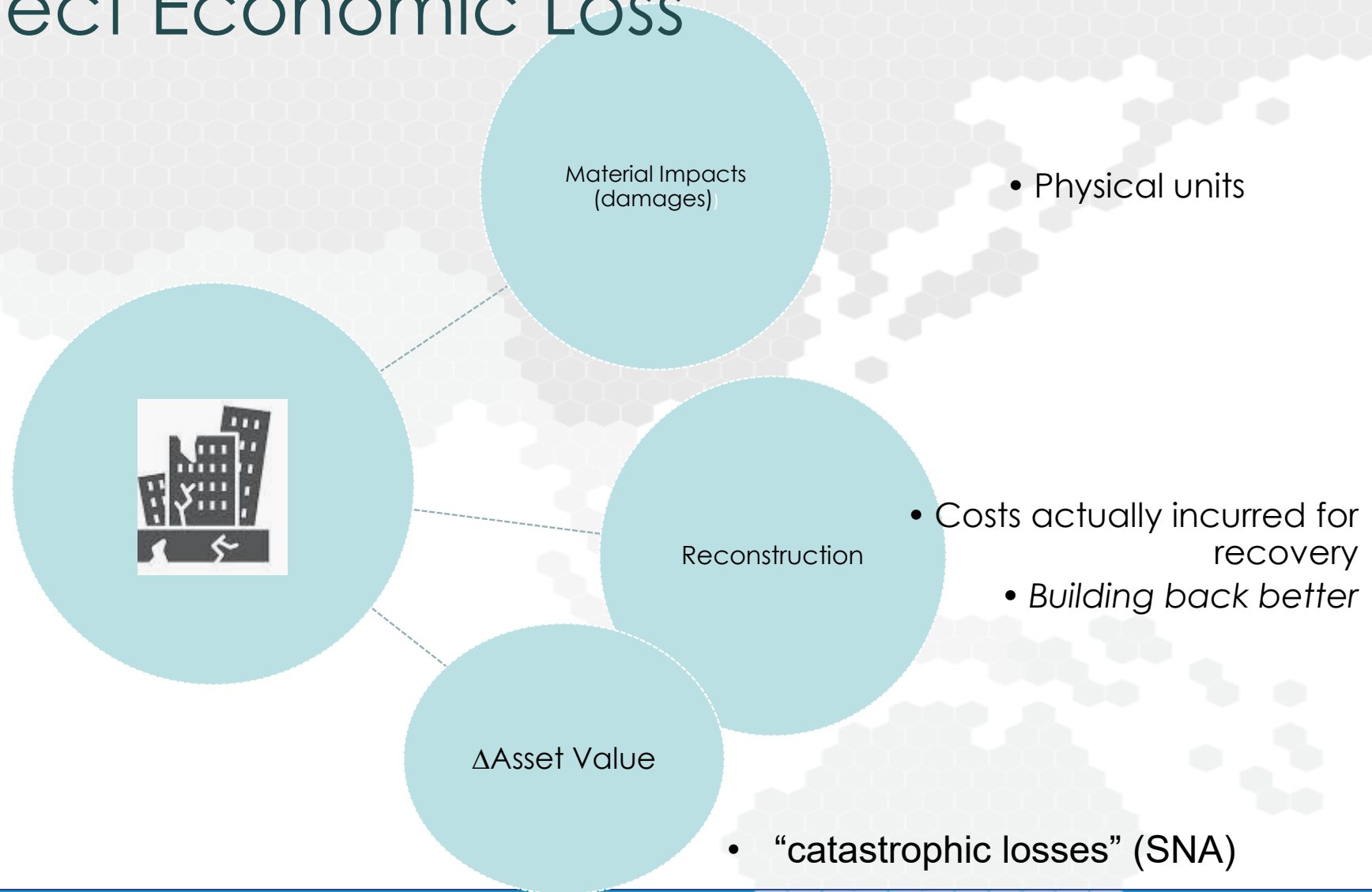
Indirectly affected: People who have suffered consequences, other than or in addition to direct effects, over time due to disruption or changes in economy, critical infrastructures, basic services, commerce, work or social, health and physiological consequences.

-Open-ended Intergovernmental Expert Working Group on Indicators and Terminology
Relating to Disaster Risk Reduction

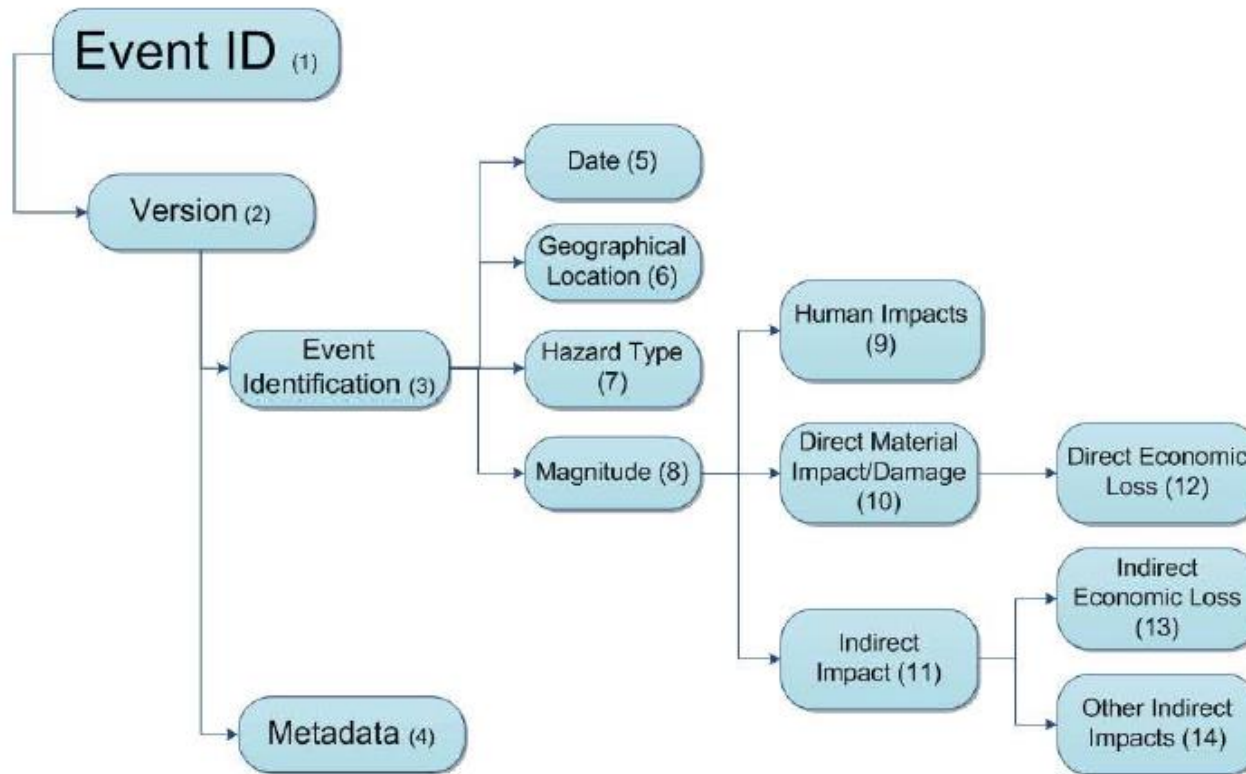
Direct Economic Loss



Direct Economic Loss



Database model for impacts statistics



Source: adapted version of a diagram in European Commission-JRC (2015)

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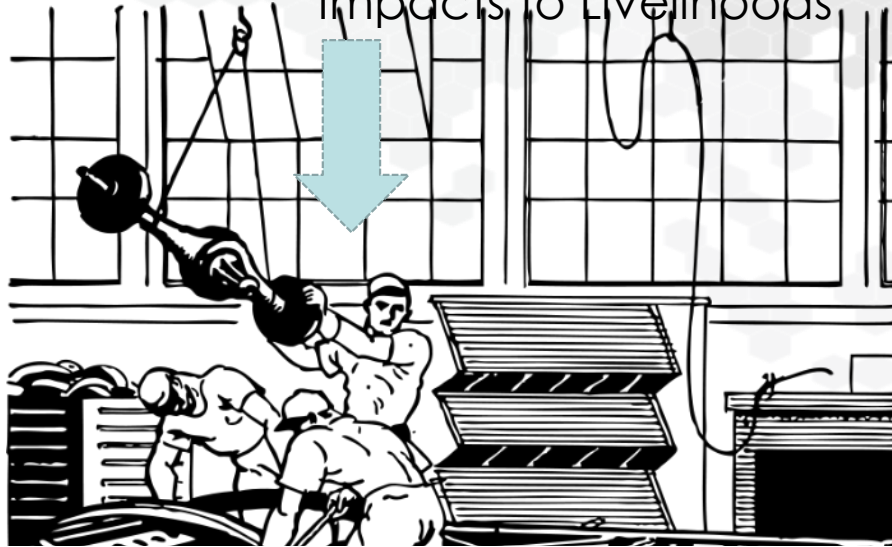
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← Direct Economic Loss

Impacts to Livelihoods



Indirect Impacts



← Damage

Landslide on California Highway Part of \$1 Billion in Damage

A massive landslide that went into the Pacific Ocean is the latest natural disaster to add to a record \$1 billion in highway damage from one of the state's wettest winters in decades.

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By 2020, enhance capacity-building support to developing countries, including for least developed countries and small island developing States, to increase significantly the availability of high-quality, timely and reliable data disaggregated by income, gender, age, race, ethnicity, migratory status, disability, geographic location and other characteristics relevant in national contexts

Example of social Group disaggregation for human impacts statistics

C2a1 - Age groups			TOTAL
0-4	5-60	60+	

C2a2 - Gender groups		TOTAL
Male	Female	

C2a3 - Urban/Rural population		TOTAL
Urban	Rural	

C2a4 - Specific vulnerability groups		NO TOTAL
Disabled	Poor	