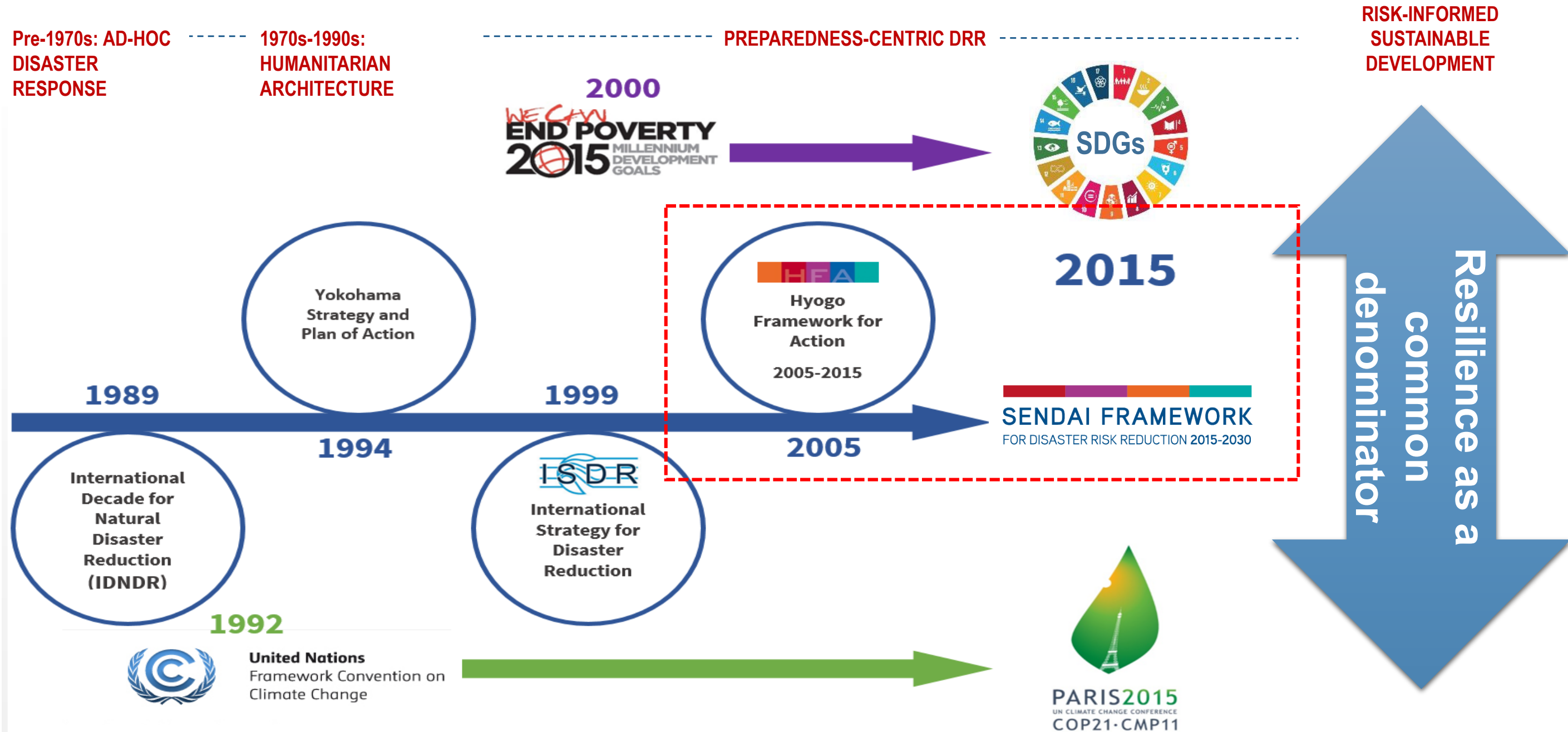


Disaster-related statistics and link to climate change statistics

Ninth Meeting of the Expert Group on Environment Statistics New York, 25-28 October 2022



30 years of global disaster and climate governance



Disaster-related statistics: Intergovernmental process

United Nations

A/71/644



General Assembly

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Seventy-first session

Agenda item 19 (c)

Sustainable development: disaster risk reduction

**Report of the open-ended intergovernmental expert
working group on indicators and terminology relating to
disaster risk reduction**

Note by the Secretary-General

The Secretary-General has the honour to transmit herewith the report of the open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction established by the General Assembly in its resolution 69/284 for the development of a set of possible indicators to measure global progress in the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030, coherent with the work of the Inter-Agency and Expert Group on Sustainable Development Goal Indicators, and the update of the publication entitled "2009 UNISDR Terminology on Disaster Risk Reduction".

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E/2019/24-E/CN.3/2019/34



United Nations

Statistical Commission

**Report on the fiftieth session
(5–8 March 2019)**

**Economic and Social Council
Official Records, 2019
Supplement No. 4**

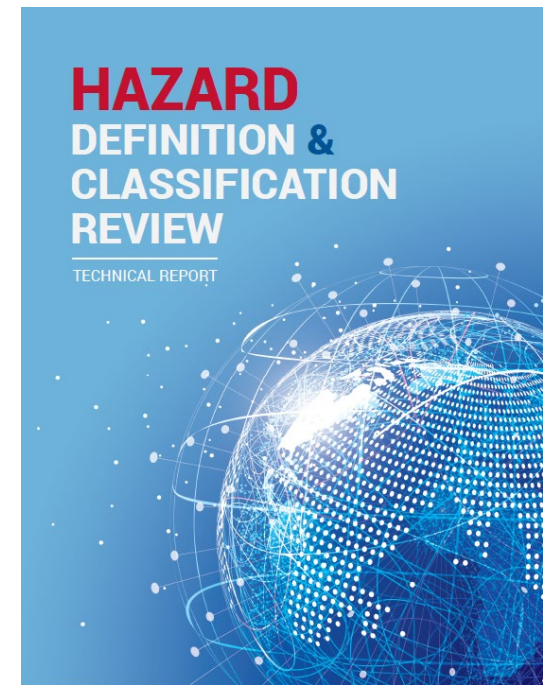
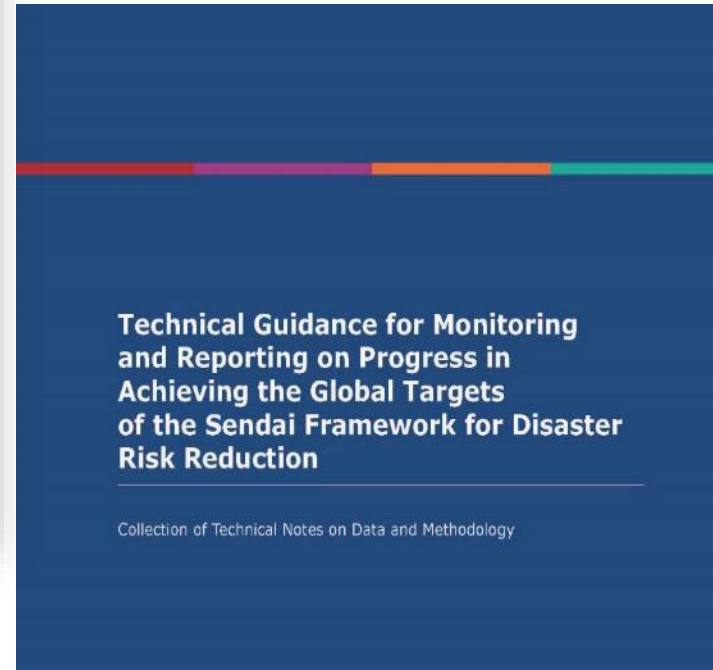
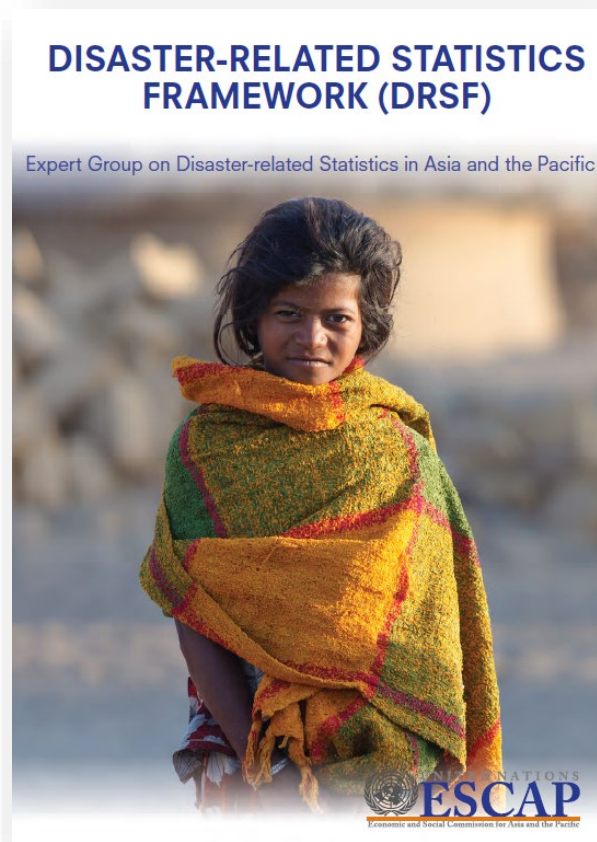
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Why a common statistical framework on disaster-related statistics?

- To enable disaster-related statistics to **inform national policies and plans on disaster risk reduction**
- To Improve national data systems on **disaster risks and impacts**
- To facilitate reporting to **internationally agreed development agendas** as they relate to DRR
- To harmonize, **comparability and consistency of methods** across countries
- To bridge between **disaster risk management information and socio- economic statistics**

Ensuring Data Standards



Global Set of Climate Change Indicators and Statistics

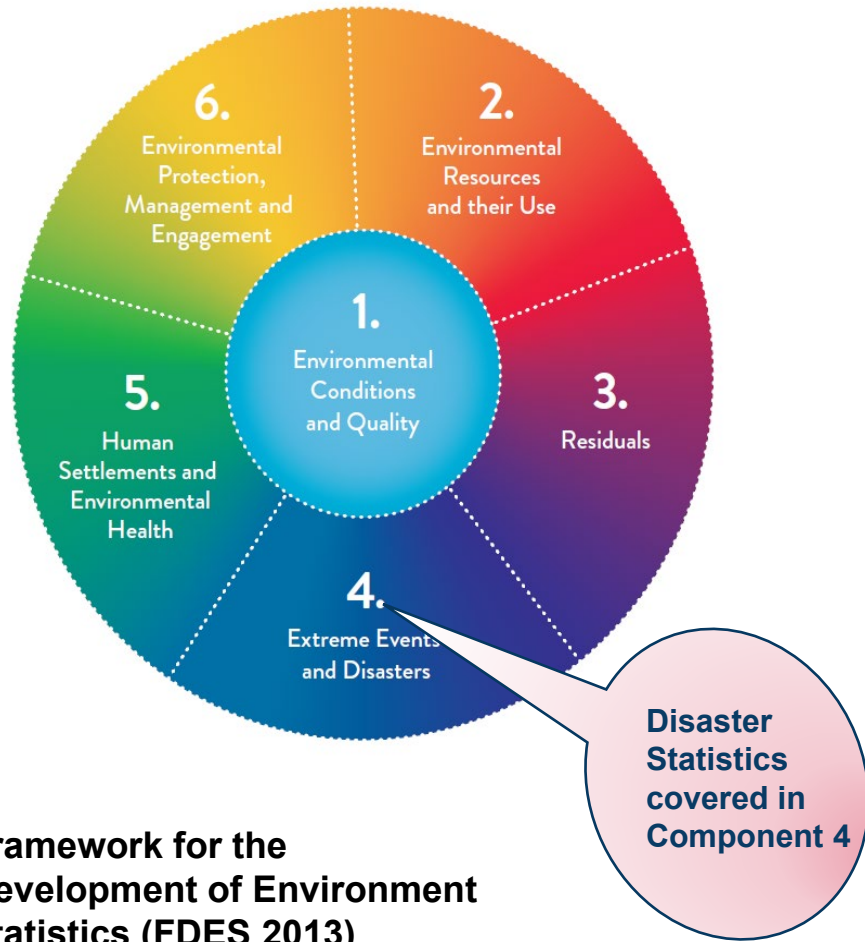
Sendai Framework indicators in the Global Set

Number	Indicator	Statistic	Tier	Themes	Agreement	Paris	Package	PA/NP- Katowice Climate	Method	FDES Reference	SDG Reference	Sendai Framework Reference	UN-ECE Reference
27	Direct agricultural loss attributed to disasters	Refer to origin	2	Disasters	7; 13.8	Decision 18/			Sendai; SDG		[Part of] 11	C-2: Direct agricultural loss attributed to disasters	[Similar to] U
40	Direct economic loss to all other damaged or destroyed product	Refer to origin	2	Disasters	7; 13.8	Decision 18/			Sendai; SDG	[Similar to] F	[Part of] 11	C-3: Direct economic loss to all other damaged or destroyed productive assets attributed to disasters.	
41	Direct economic loss in the housing sector attributed to disaste	Refer to origin	2	Disasters	7; 13.8	Decision 18/			Sendai; SDG	[Similar to] F	[Part of] 11	C-4: Direct economic loss in the housing sector attributed to disasters.	
42	Number of deaths, missing persons and directly affected persons attributed		1	Disasters	7; 13.8	Decision 18/			Sendai; SDG	[Similar to] F	11.5.1 Nur	[Similar to] A-1 (Compound): Number of deaths and missing persons attributed to disasters, per 100,000	[Similar to] U
43	Number of climate refugees, climate migrants and persons displaced by clima		3	Disasters	7; 13.8	Decision 18/	CMA.1, chap					[Related to] B-1: (Compound) Number of directly affected people attributed to disasters, per 100,000	
		Number of pe	2	Disasters	7; 13.8	Decision 18/	UN-ECE; Sen			[Similar to] FDES	4.1.2.a	[Related to] B-4: Number of people whose destroyed dwellings were attributed to disasters.	UN-ECE 25: I
75	Damage to critical infrastructure attributed to disasters	Refer to origin	2	disasters	7; 13.8	Decision 18/			Sendai			D-1 (compound): Damage to critical infrastructure attributed to disasters.	
76	Direct economic loss resulting from damaged or destroyed criti	Refer to origin	2	disasters	7; 13.8	Decision 18/			Sendai; SDG		[Part of] 11	C-5: Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.	
80	Direct economic loss to cultural heritage damaged or destroyed	Refer to origin	2	Tourism; Disas	7; 13.8	Decision 18/			Sendai; SDG		[Part of] 11	C-6: Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.	
129	Share of government adaptation expenditure in relation to gross domestic pr		3	Expenditures;	7.9;7.10	Decision 18/			UN-ECE			[Related to] F-1: Total official international support, (official development assistance (ODA) plus other	UN-ECE 35: I
133	Proportion of local governments that adopt and implement local disaster risk		2	Governance; D	7.9;7.10	Decision 18/			Sendai; SDG		13.1.3 Pro	[Similar to] E-2: Percentage of local governments that adopt and implement local disaster risk reduction	
		Description o	2	Governance; D	7.9;7.10	Decision 18/			Sendai; SDG		[Related to]	[Related to] E-1: Number of countries that adopt and implement national disaster risk reduction strategies in	
136	Coverage of early warning systems		3	Governance; D	7.9;7.10	Decision 18/			Sendai			[Related to] G-1 (compound): Number of countries that have multi-hazard early warning systems	
		Existence and	2	Governance; D	7.9;7.10	Decision 18/			Sendai; FDES	[Similar to] FDES	6.3.1.a	[Related to] G-1 (compound): Number of countries that have multi-hazard early warning systems	

The Global Set adds value by indicating:

- How climate change relates with the given Sendai Framework indicators [in relevance, in metadata]?
- Which other frameworks (e.g. FDES, SDGs) use the respective Sendai Framework indicator ?
- What statistical methods may be helpful as well as the policy and reporting references?

Key messages



Framework for the Development of Environment Statistics (FDES 2013)

- For the Global Goal on Adaptation, the adaptation target of **enhancing adaptive capacity, strengthening resilience and reducing vulnerability to climate change**, is aligned with the Sendai Framework goal of **reduction of hazard, vulnerability and exposure, and enhancing capacity and resilience**.
- The Global Set can assist countries in identifying climate indicators/statistics that **support monitoring of the Sendai Framework and others related to disaster risk reduction**
- Framework for the Development of Environment Statistics (FDES) and the Global Set, as statistical frameworks adopted by the Statistical Commission can **support further processes like development of the Global Framework for disaster-related statistics**



Global Set of Climate Change Indicators and Statistics

Thank you

www.preventionweb.net

www.undrr.org