



Session 2: Frameworks of Environmental Statistics and Indicators

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Frameworks for statistics and indicators

- **Framework for the Development of Environment Statistics (UNSD)**
- **Pressure-state-response framework for environmental indicators (OECD)**
- **Driving force-state-response framework (CSD)**
- **Thematic/sub-thematic framework for indicators of sustainable development (CSD)**
- **Driving force-pressure-state-impact-response framework (Eurostat and EEA)**



Framework for the Development of Environment Statistics (UNSD)

Components of the environment	Information categories			
	Social and economic activities, natural events	Environmental impacts of activities/events	Responses to environmental impacts	Inventories, stocks and background conditions
<ol style="list-style-type: none"> 1. Flora 2. Fauna 3. Atmosphere 4. Water <ol style="list-style-type: none"> (a) Fresh water (b) Marine water 5. Land/soil <ol style="list-style-type: none"> (a) Surface (b) Sub-surface 6. Human settlements 				



Pressure-State-Response Framework (OECD)

Issues	PRESSURE	STATE	RESPONSE
Climate change			
Ozone layer depletion			
Eutrophication			
Acidification			
Toxic contamination			
Urban environmental quality			
Biodiversity			
Landscapes			
Waste			
Water resources			
Forest resources			
Fish resources			
Soil degradation (desertification & erosion)			
General indicators			



Driving force-State-Response Framework (CSD) - 1st set

CHAPTERS OF AGENDA 21	DRIVING FORCE INDICATORS	STATE INDICATORS	RESPONSE INDICATORS
<i>CATEGORY: SOCIAL</i>			
<i>CATEGORY: ECONOMIC</i>			
<i>CATEGORY: ENVIRONMENTAL</i>			
<i>CATEGORY: INSTITUTIONAL</i>			



Thematic/Sub-thematic Framework (CSD) - 2nd set

Dimension	Theme	Sub-Theme	Indicators
Social			
Environmental			
Economic			
Institutional			

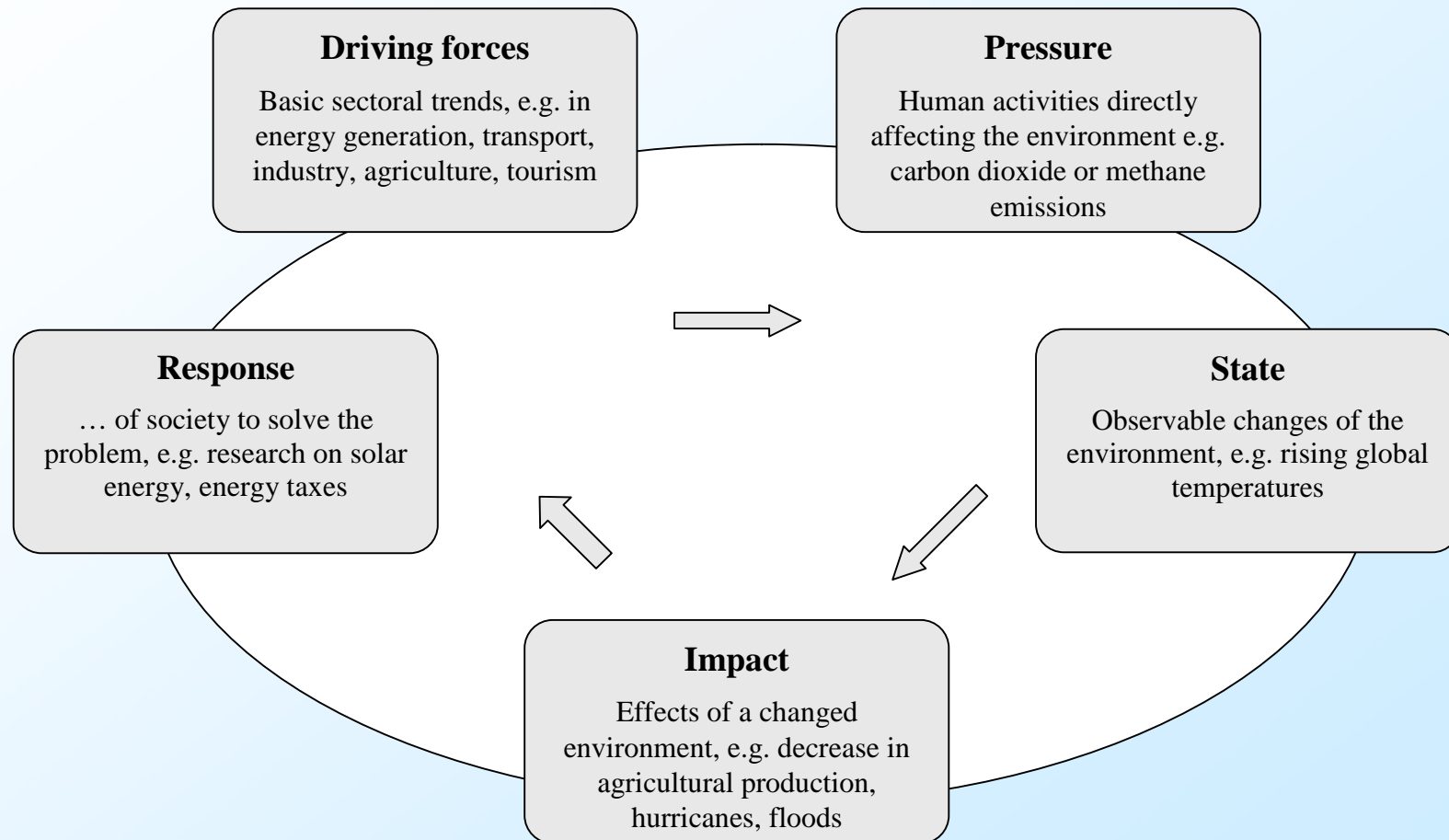


Thematic/Sub-thematic Framework (CSD) - 3rd set

Theme	Sub-theme	Core indicator	Other indicator



Driving force-Pressure-State-Impact-Response Framework (Eurostat/EEA)





Major differences between the frameworks

- **FDES/PSR – four vs. three information categories**
- **CSD thematic/sub-thematic framework – no longer has a two dimensional approach as in the DSR framework**
- **FDES/DPSIR – four vs. five information categories**