



Statistics on Climate Change Adaptation (CCA)

Introduction to the session 3

Session Chairs: Sergio Castellari, European Environment Agency Giovanna Tagliacozzo, National Institute of Statistics of Italy



Giovanna Tagliacozzo Geneva, 3 October 2018







Why a session on CCA?

Results from "Report on countries' progress in climate change related statistics" (2016): only 7% of NSOs compile such statistics on a regular basis, this area has been recognized as particularly challenging by the TF on a Set of CCRSI and by the 2017 Expert Forum, that requires most methodological work and capacity development.

Issues of climate change adaptation (CCA) feature prominently both in targets of the 2030 Agenda for Sustainable Development and the UNFCCC Paris Agreement, but there is no internationally harmonised set of CCA indicators





Which is the aim of the session?

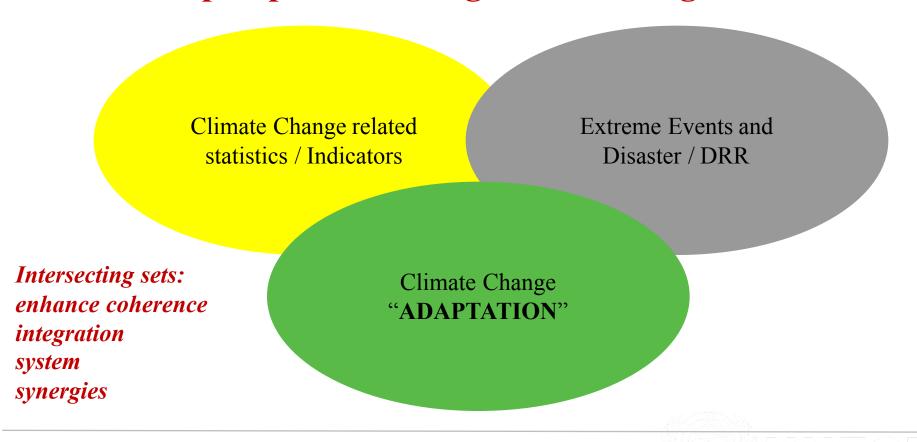
• Inform about recent developments on impact, vulnerability and CCA indicators

• Review the current availability of adaptation statistics at national level





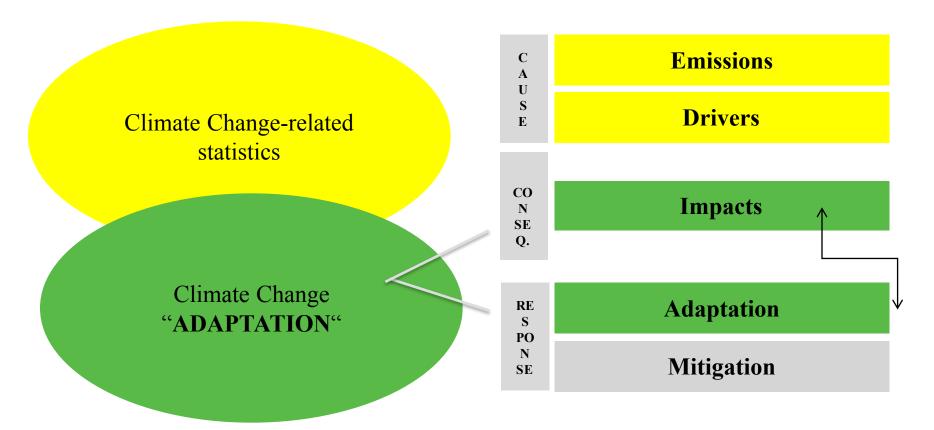
Overview «Climate Change Adaptation Statistics»: different perspectives of a global challenge







Climate Change «ADAPTATION» & CCRS indicators



"Adaptation" as an area of CCRS; broadly CCA stat. embrace Impacts area + integration with 'mitigation' response to CC: "Systemic approach"

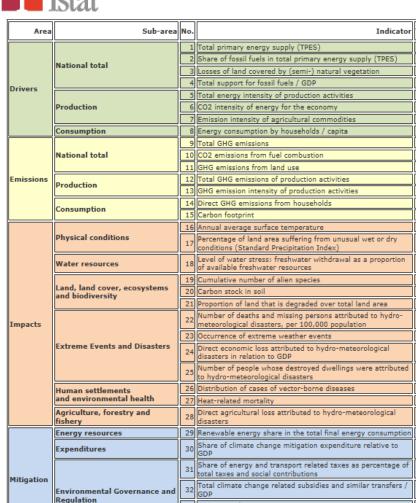


Expenditures

Water resources

Human settlements
Adaptation and environmental health

Agriculture, forestry and



33 Average carbon price

Mobilized amount of USD per year starting in 2020 accountable towards the USD 100 billion commitment

35 Share of government adaptation expenditure to GDP

38 Progress towards sustainable forest management

39 Proportion of agricultural area under productive and

36 Change in water use efficiency over time
37 Proportion of population living in dwellings with air

conditioners or air conditioning



Climate Change "ADAPTATION"

Wide topics involved:

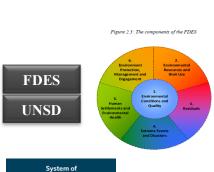
- Weather- and climate-related natural hazards (temperatures, precipitations, wet & dry conditions, costal changes... etc)
- Extreme events and disasters due to CC (hydro meteorological)
- Water resources, scarcity, uses
- Impacts on human health, food security, wellbeing
- Impact on infrastructure, **transports**, cities, urban areas, green areas, dwellings
- Agriculture, forestry and fishery
- Land, land cover, land use
- Impacts on environmental and ecosystems, biodiversity
- Air quality
- Disaster loss data

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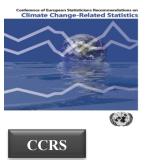
International *Frameworks -* **Comprehensive perspective Indicators integration - A unique Global Challenge**















CCRS: 5 Areas/Sectors 39 Indicators

OEIWG: 7 Targets +38 Indicators

-> Climate Change "ADAPTATION" -> scattered across





10:20 - 12:30	Session 3: Statistics on climate change adaptation Session Chairs: Sergio Castellari, European Environment Agency and Giovanna Tagliacozzo, National Institute of Statistics of Italy			
10:20 - 10:25	Introduction to the session (Giovanna Tagliacozzo, National Institute of Statistics of Italy)			
10:25 - 10:40	UNFCCC process on national adaptation goals/indicators and their relationship with SDGs and Sendai indicators (Livia Hollins, United Nations Framework Convention on Climate Change - UNFCCC)			
10:40 - 11:00	Coffee/tea break			
11:00 - 11:15	Current and planned activities of the Copernicus Climate Change Service (C3S) and the European State of the Climate 2017 (Carlo Buontempo, COPERNICUS)			
11:15 - 11:30	Ready or not? Findings of the evaluation of the EU Adaptation Strategy (Max Linsen, DG CLIMA of the European Commission)			
11:30 - 11:45	EEA activities on climate change adaptation and disaster risk reduction: reports and Climate-ADAPT (Sergio Castellari, European Environment Agency)			
11:45 - 12:00	The use of climate change adaptation indicators in Portugal (José Pauline Portuguese Environment Agency)			
12:00 - 12:30	Discussion and closing of the session (Sergio Castellari, European Environment Agency)			





Questions to the audience

- Does your NSO produce publication(s) specifically on climate change adaptation?
- Are statistical and geographical data integrated for producing statistics on climate change adaptation?
- What are the main problems the NSO is facing when compiling or contributing to the compilation of statistics on climate change adaptation?
- Which are the priority areas in statistics on climate change adaptation for which guidelines, recommendations, best practices, international standards, etc., would be needed?