

Measuring Hazardous Events and Disasters

UNECE contributions to improve fitness of official statistics for managing and monitoring disaster-risk reduction

Michael Nagy

Statistical Division

United Nations Economic Commission for Europe

5th Expert Meeting on Statistics for SDGs, 29 March – 1 April 2021



Role of Official Statistics in measuring Hazardous Events and Disasters



In June 2019 CES adopted the [CES Recommendations on the Role of Official Statistics in Measuring Hazardous Events and Disasters](#)

The CES Recommendations:

- Clarify the role of NSOs and NSS in providing information related to hazardous events and disasters
- Identify practical steps to better support disaster risk management efforts in coordination with national agencies responsible for disaster risk management.

Core roles and tasks:

- Provision of baseline data to produce statistics on exposure and impacts
- Support DRM in producing and communicating information
- Setting and enforcing quality standards
- Developing statistics that are internationally comparable
- Communication and dissemination statistics to decision makers

Additional roles and tasks

- Assisting in assessment of direct and indirect impacts
- Collaborative sites for disaster attention
- Development and implementation of methodologies for risk assessment
- Providing services for mapping of information from various sources
- Etc.



Renewed mandate of the Task Force on Measuring Hazardous Events and Disasters

Renewed ToR approved by CES Bureau in February 2020



Main areas of work according to ToR:

- a) Drafting implementation guidance
- b) Recommending a set of core statistics and indicators
- c) Supporting the establishment of a community of practice, exchange of experience and knowledge
- d) Supporting statistical operationalisation of Sendai Framework terminology and indicator methodologies

Main achievements 2020 and current work



Main achievements 2020

- Supporting NSOs in their contributions to managing the COVID-19 disaster:
 - Webinar on 10 June 2020 “How are national statistical offices contributing to managing the COVID-19 disaster?”
 - Establishment of the platform “COVID-19 and official statistics (<https://statswiki.unece.org/display/COV/Home>): 90 examples from NSOs of 34 countries

Current work

- Task Teams have been set up for each of the activities
- Planning of *Expert Forum for Producers and users of Disaster-related Statistics* on 7,8 and 10 June 2021
- Statistical review of the new [UNDRR/ISC hazard classification and terminology](#)
- Selection of core statistics and indicators



Members of the Task Force on Measuring Hazardous Events and Disasters



1. Angela Ferruzza (ISTAT Italy, Chair)
2. Agata Aleksandra Krause (UNECE)
3. Andrew Hancock (UN Expert Group on International Statistical Classifications, Statistics New Zealand)
4. Daniel Clarke (OECD)
5. Erhan Ünal (TurkStat Turkey)
6. Giovanna Tagliacozzo (ISTAT Italy)
7. Ivan Hascic (OECD)
8. Ivan Petiteville (ESA)
9. James Douris (WMO)
10. Jesarela López (INEGI Mexico)
11. José Luis Ornelas (INEGI Mexico)
12. Michael Nagy (UNECE, Secretary)
13. Puji Pujiono (Indonesia)
14. Rahul Sengupta (UNDRR)
15. Rayen Quiroga (ECLAC)
16. Rikke Munk-Hansen (ESCAP)
17. Rodolfo Orozco-Gálvez (INEGI Mexico)
18. Rogelio Mondragón (INEGI Mexico)
19. Urbano Fra Paleo (Universidad de Extremadura)
20. Virginia Murray (Public Health England)
21. Willi Harz (DESTATIS Germany)