Data and knowledge management for Europe's State of the Environment



Galina Georgieva
Open data regional workshop, 5 March 2019, Kyiv



The European Environment Agency (EEA)

Coordinate the

European environment information and observation network (Eionet)

INSTITUTIONAL COOPERATION

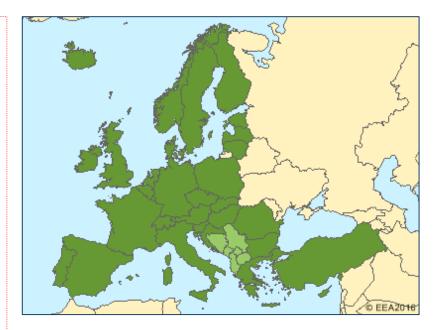
(approx. 350 national bodies)

COMMON KNOWLEDGE

(approx. 1500 experts)

SHARED INFRASTRUCTURE

(Reportnet, reporting obligations, tools)



- 33 Member countries (EU28+5) + 6 Cooperating countries (West Balkan)
- 6 Eastern Partnership countries
- 9 Southern Mediterranean countries



Knowledge management at the EEA

In-situ monitoring, surveys, satellite observations

Local, National, European, Global, statistics

Indicators, environmental accounting

Integrated assessments across scales

Communities and academies





The developing policy framework

SUSTAINABILITY 2050 7th EAP, 7th EAP vision: Living well within Biodiversity Strategy, the planet's ecological limits, Climate and Energy Package, innovative circular economy, Climate Adaptation Strategy, low-carbon growth, societal Resource Efficiency Roadmap, resilience Europe 2020, 2030 specific thematic policies Circular Economy Package, 2020 Post-Paris Climate and Energy Package, Energy Union, Sustainable Development Goals

2020 Existing overarching EU policy frameworks, comprehensive policies, specific targets

2030 Emerging EU policy frameworks

2050 Long-term visions and targets with a societal transition perspective.

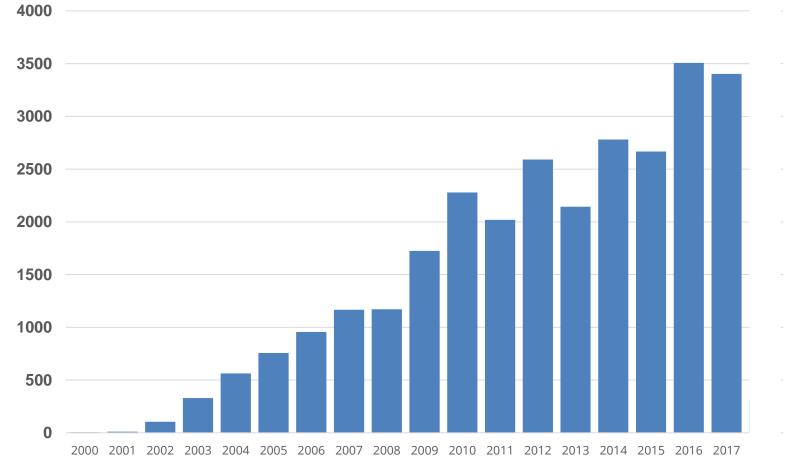


TIME

EEA as recipient of European data flows for 39(+) countries

- 100+ regular data flows handled via EEA
- 18 Eionet core data flows
- 80+ non-core data flows
- 50-60 data flows per year (due to different reporting cycles)
- >100 GB/year







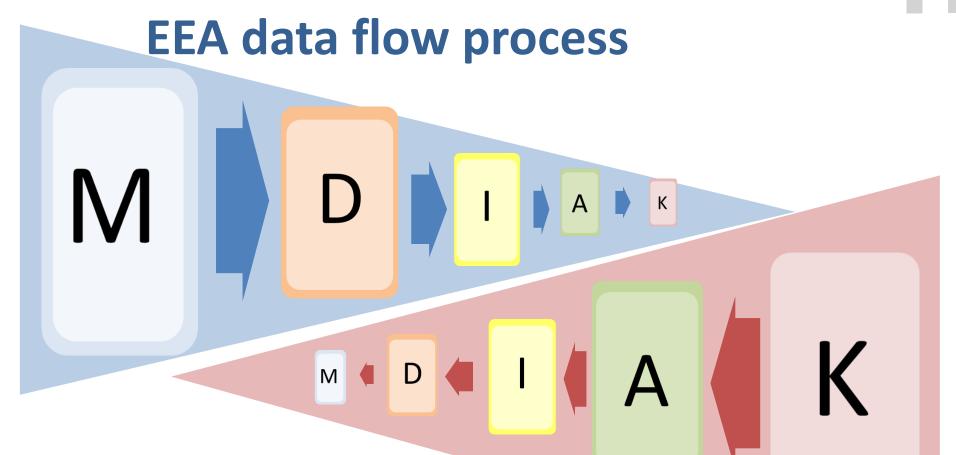


Eionet Performance Priority Data Flows reporting 2017-2018



Finding the right balance



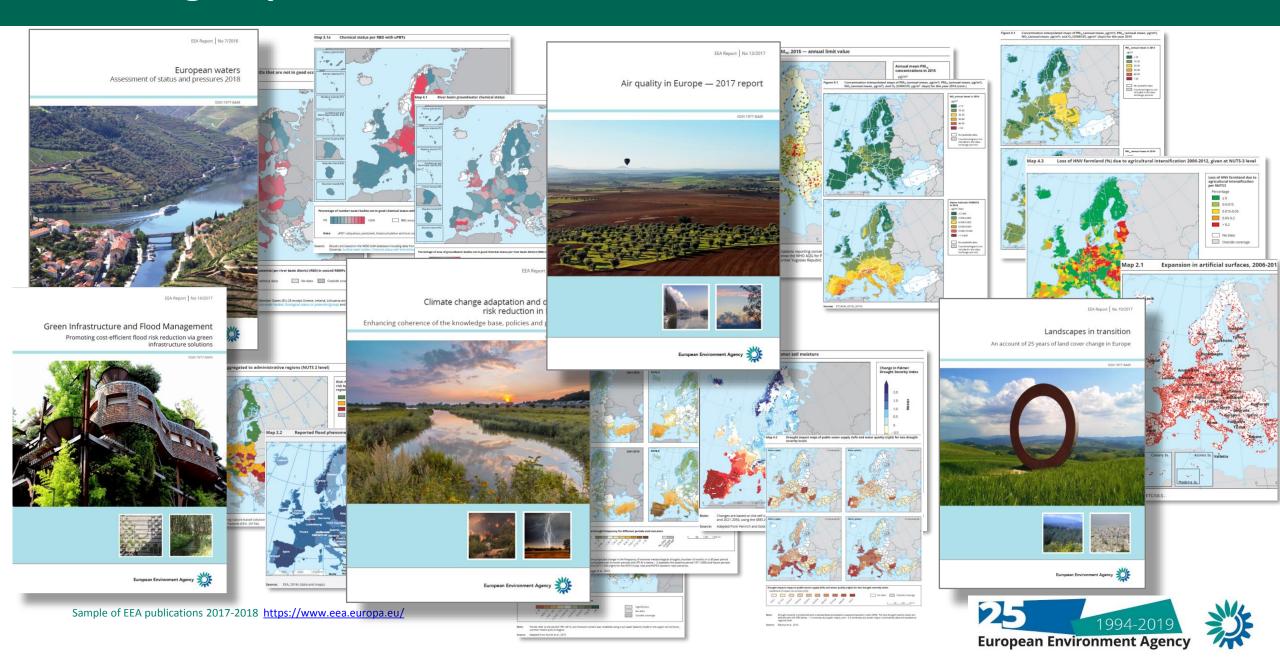


EEA integrated assessment process

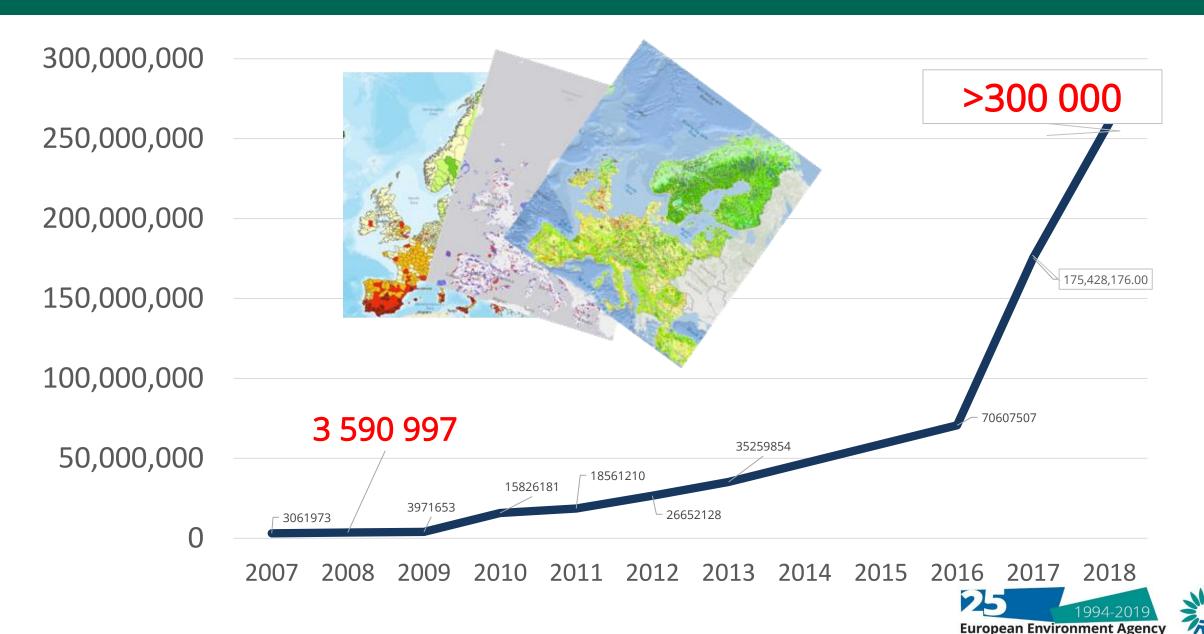




Use of geospatial information services for assessments



Increasing number of map requests: reaching the European citizen



Increasing use of Copernicus services



Source: http://www.eea.europa.eu/themes/air/air-quality-index/index

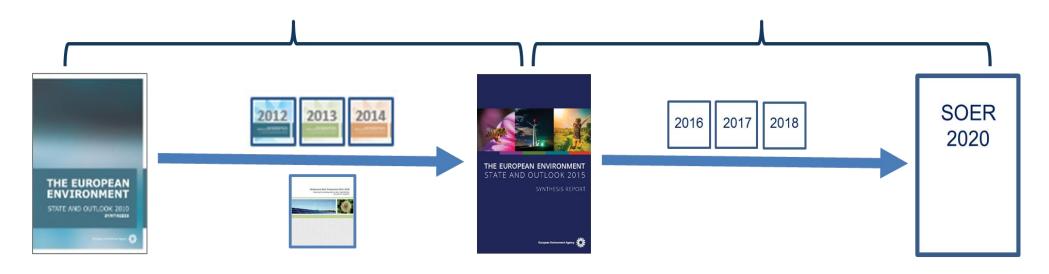
Examples of European knowledge platforms



State and Outlook of the Environment (SOER)

Understanding systemic challenges and the need for transitions

Identifying knowledge, skills and governance approaches for transitions



PROBLEM-FOCUSED

SOLUTION-ORIENTED



SOER 2020 overall structure and process

SOER 2020

Integrated Assessment (2019)

- State of Europe's environment (context: drivers and policy responses)
- Sustainability prospects
 (systems perspective, transitions to long-term policy goals)
- 300 pages (incl. summaries), English



Stakeholder interaction process

(2019-2020)



- Key findings of the Integrated Assessment
- Outcomes of the stakeholder interactions
- 50 pages, English



Stakeholder consultations

Stakeholder contributions, consultations



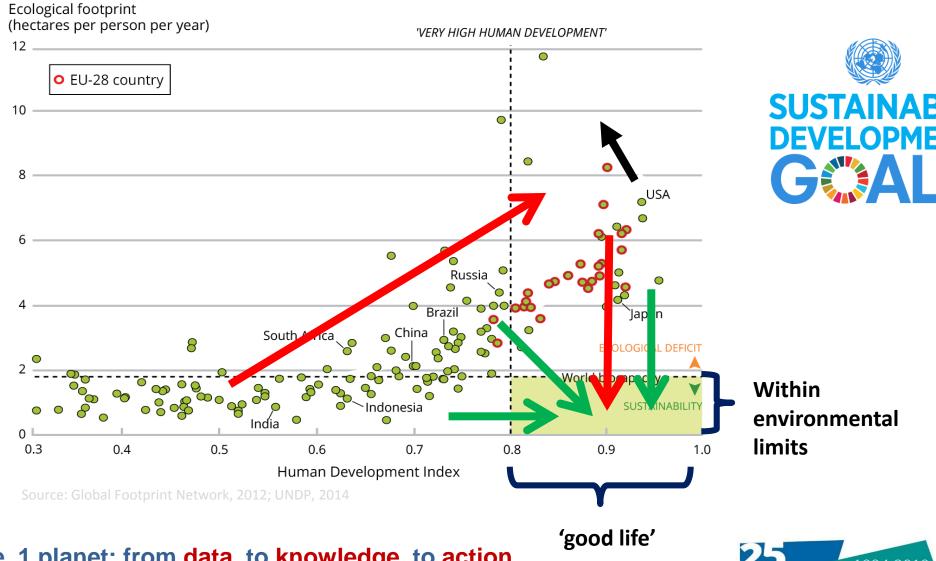
Looking into the pan-European setting

SEIS mid-term review 2018 following Batumi

- Improve clarity: improve meta-data, data quality reports
- Improve accessibility to environment data/information: from collecting to harvesting, publishing
- Reduce the timelines: from 'less than 1 year' to about 3 months
- Improve relevance: serving multiple users

All in place for the next pan-European Ministerial in 2021?

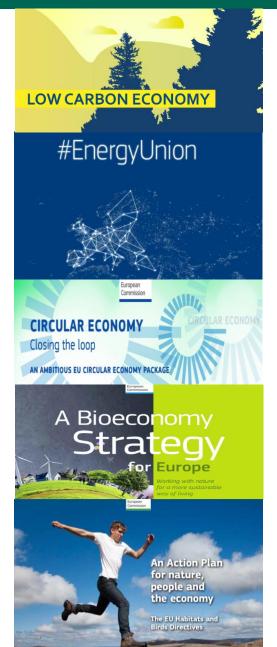
The challenge of the 21st century – Towards sustainability



European Environment Agency

10 billion people, 1 planet: from data, to knowledge, to action

Evolving policy responses: macro-integrated approach



- Long-term: 2030-2050-2100
- Integrated: e.g. Common Agricultural Policy
- Systemic: e.g. Decarbonisation of transport
- Developing/iterative: e.g. Circular Economy;
 Climate and Energy
- Require a different governance approach
- Thus, complex, uncertain, lacking knowledge (of a certain type)



Thank you for your attention!

Galina Georgieva Hristova

Head of Group – Networks and Partnerships Coordination and Strategy Programme

European Environment Agency Kongens Nytorv 6 1050 Copenhagen K, Denmark

Phone: +45 33367278

Email: Galina.Georgieva@eea.europa.eu

https://www.eea.europa.eu/

eni-seis.eionet.europa.eu

