

Welcome to the EEA-Eionet day

EEA-Eionet day, 1 March 2023



EIONET

European Environment
Information and
Observation Network



European
Environment
Agency

Plenary session (streamed) 9.30 – 11.30

09.30 – 09.45	Official welcome	Formal opening by Laura Burke (EEA Management Board Chair) and Hans Bruyninckx (Executive Director, EEA)
09.45 – 10.15	Inspirational keynote	Hans Bruyninckx (Executive Director, EEA)
10.15 – 11.00	Eionet in the knowledge-policy game	Panel debate on challenges and opportunities featuring Laura Burke (EEA MB Chair, Ireland), Tanja Suni (EEA MB member, Finland), Michal Pastvinský (EEA MB Vice-Chair, Czech Republic) Concluding remarks by Hans Bruyninckx (Executive Director, EEA)
11.00 – 11.15	3, 2, 1, Go!	Flash presentations by EEA: The new EEA website by Marie Jaegly and Antonio De Marinis Eionet Tools 2.0 preview Ana Cardoso and Nils Hettich
11.15 – 11.30	Closing	Final remarks to close the streamed session by Laura Burke (EEA MB Chair) and Hans Bruyninckx (Executive Director, EEA)



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EEA-Eionet: the world's largest environmental network

Creating knowledge to support policy for almost 30 years

Hans Bruyninckx | EEA-Eionet day, 1 March 2023



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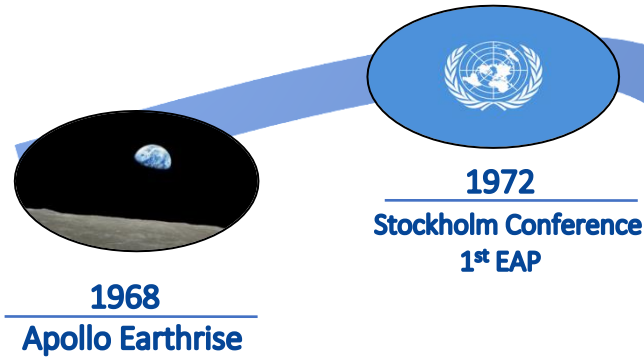
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REGULATION (EC) No 401/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 23 April 2009
on the European Environment Agency and the European Environment Information and Observation
Network
(Codified version)



Still going strong. EEA–Eionet meeting 2012

Five decades of focus on the environment



The protection and improvement of the human environment is a major issue which affects **the well-being** of peoples and economic development throughout the world; it is the **urgent desire** of the peoples of the whole world and the duty of all Governments.

The capacity of the earth to produce vital renewable resources must be maintained and, wherever practicable, **restored** or improved.

Man has the fundamental right to ... a **life of dignity and well-being**, and he bears a solemn responsibility to protect and improve the environment for present and future generations.

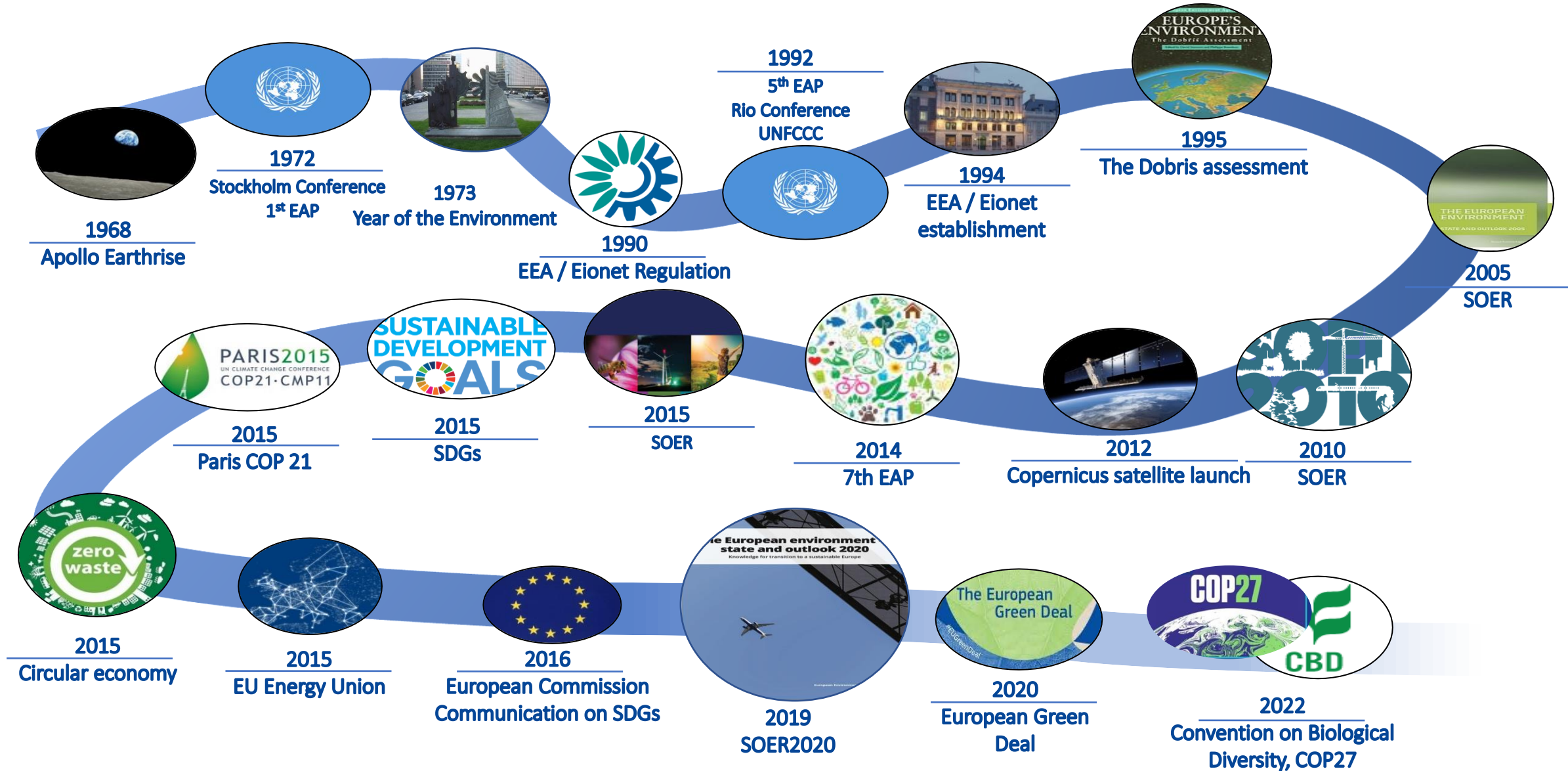
Through **ignorance or indifference** we can do massive and irreversible harm to the earthly environment on which our life and well being depend. Conversely, **through fuller knowledge and wiser action**, we can achieve for ourselves and our posterity a better life in an environment more in keeping with human needs and hopes.

Cooperation through multilateral or bilateral arrangements or other appropriate means is essential to effectively **control, prevent, reduce and eliminate** adverse environmental effects resulting from activities conducted in all spheres....

Five decades of focus on the environment



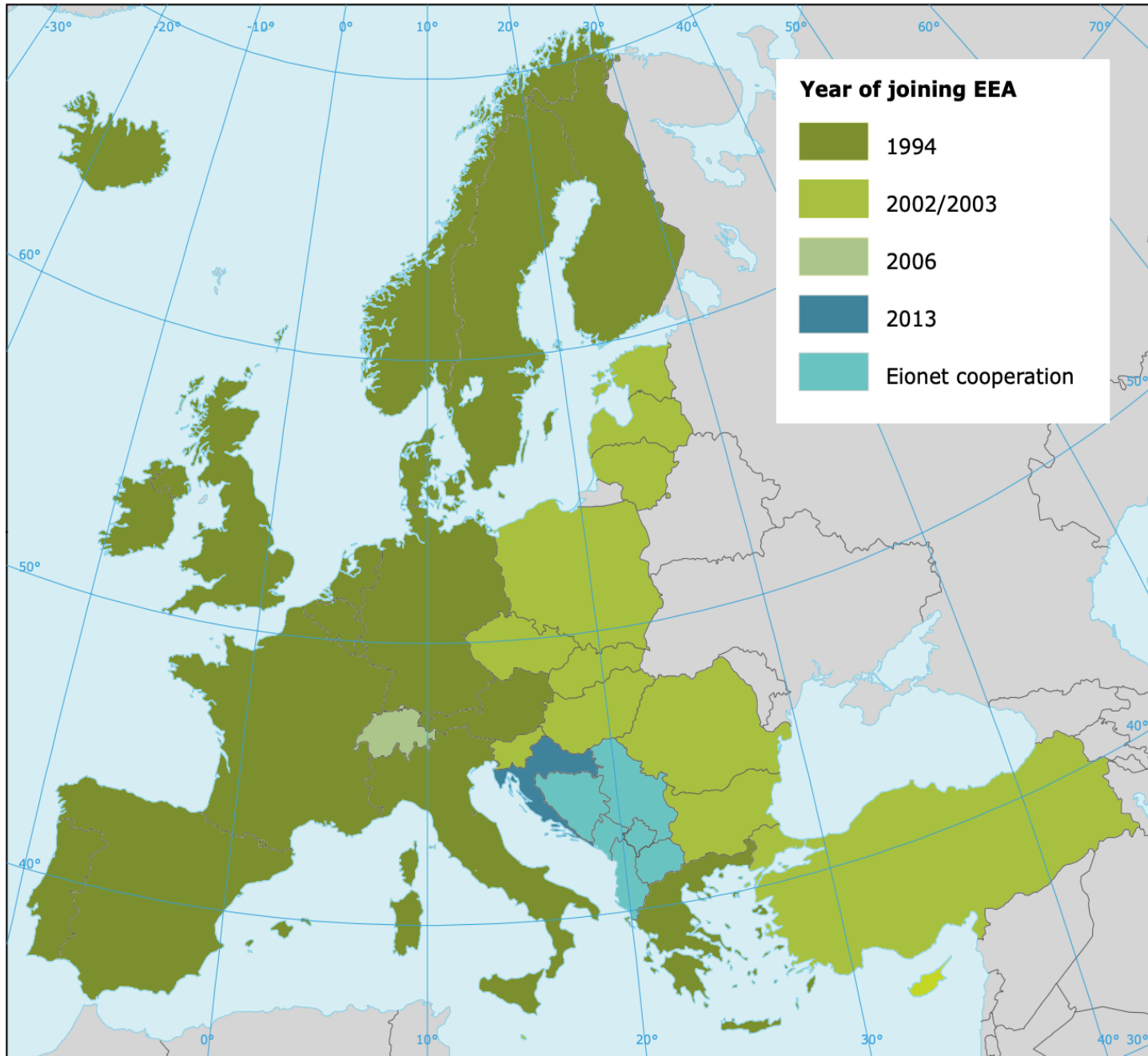
Five decades of focus on the environment



Eionet over the years

2012

- **39 countries**
- **482 institutions**
- **1500 experts**

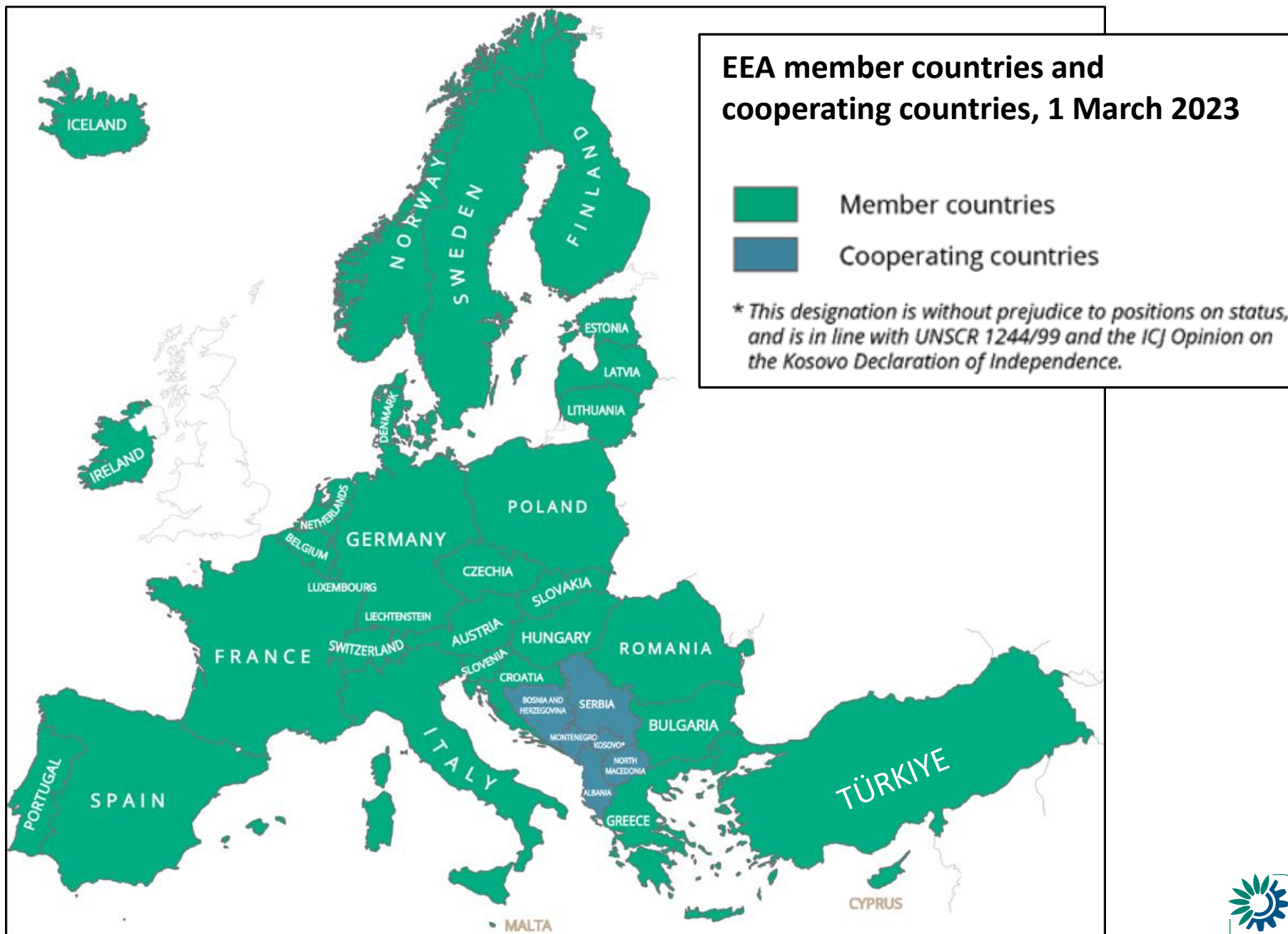


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As we are today



2012

- 39 countries
- 482 institutions
- 1500 experts

2023

- 38 countries
- 482 institutions
- 2320 experts



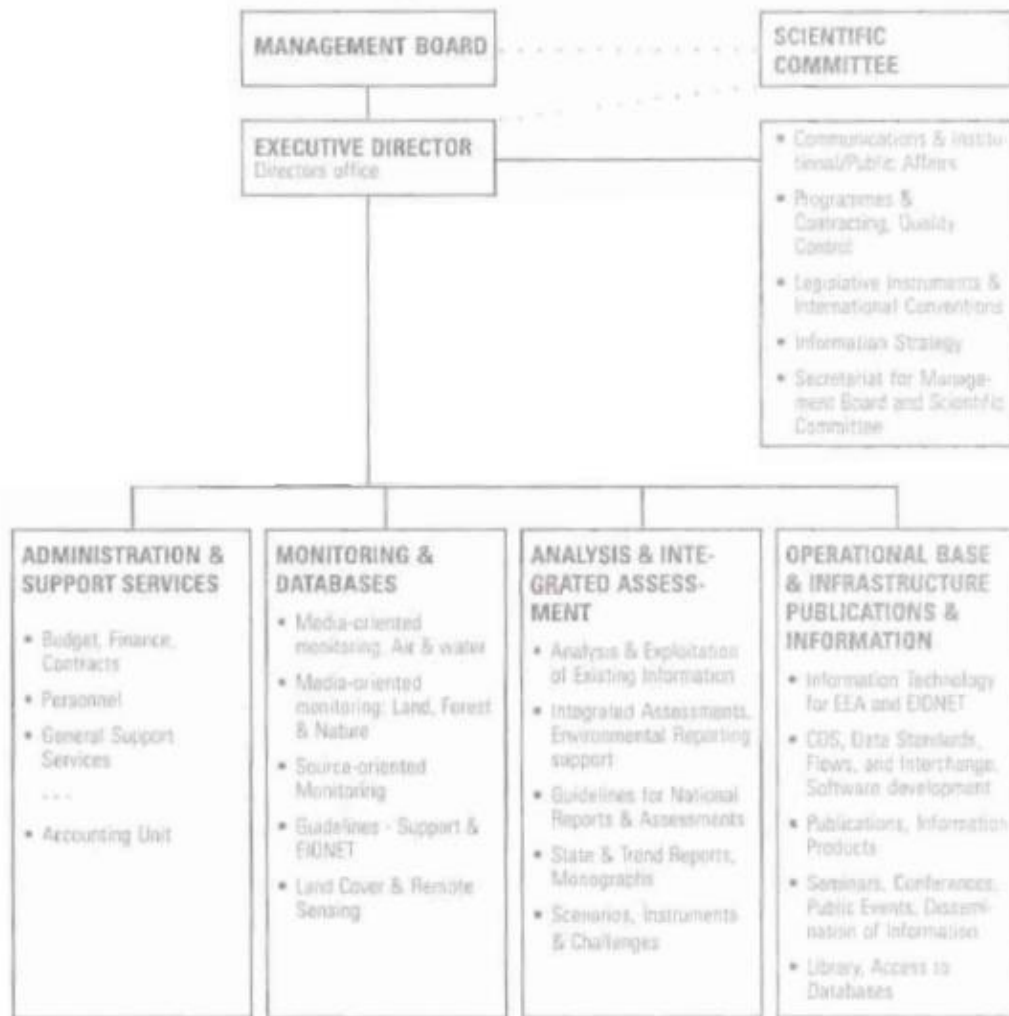
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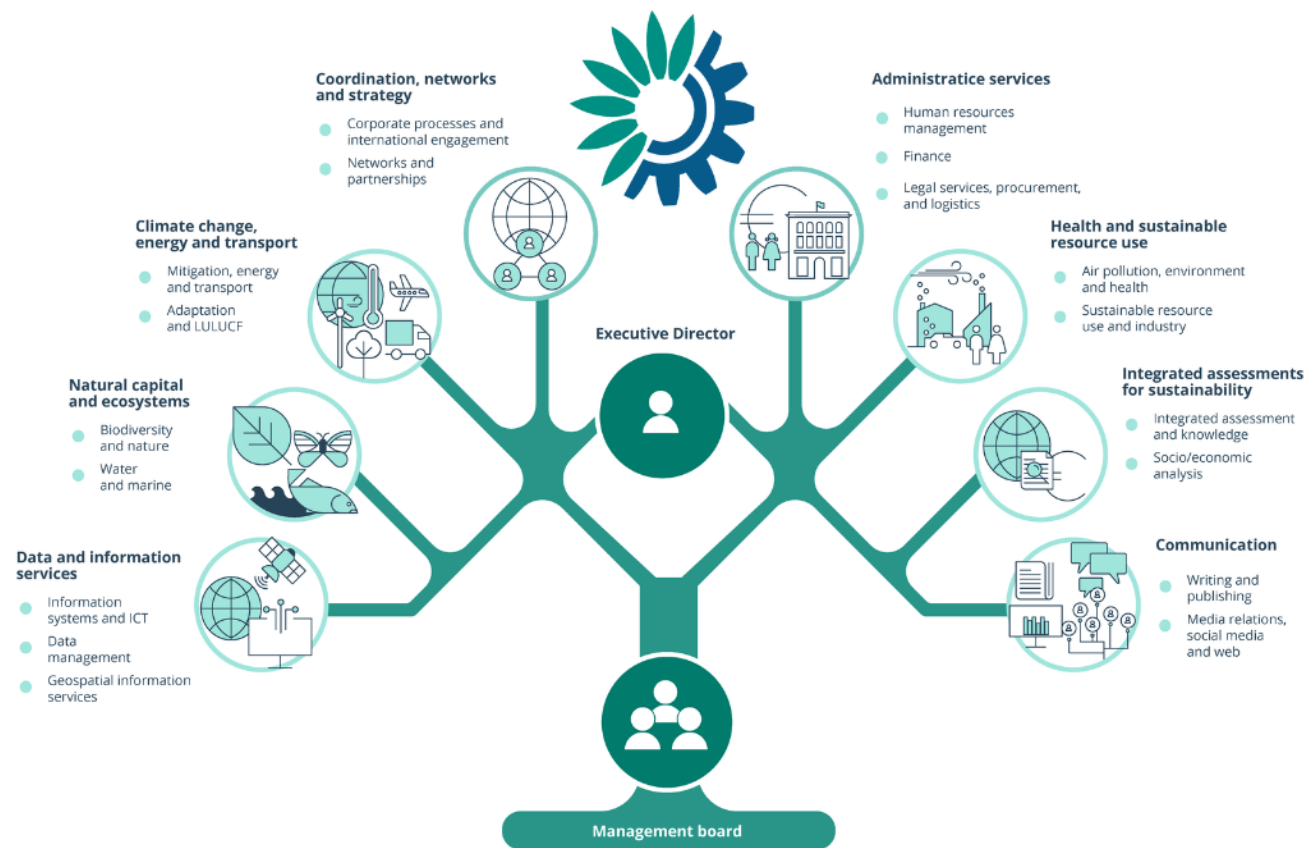
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1995

ANNEX 1: Organigram of the EEA



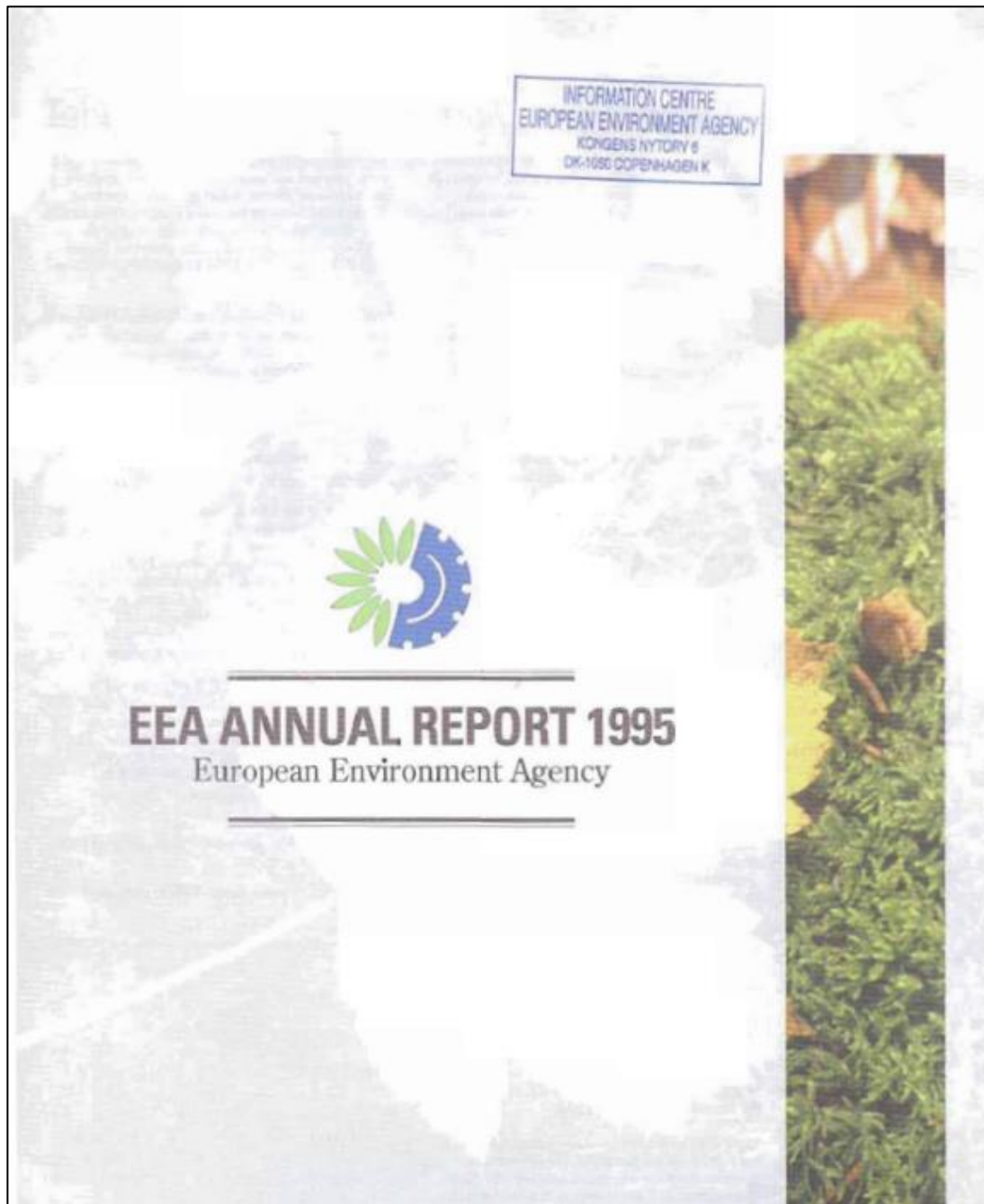
2022



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EEA 2021: the year in brief

Every year, the European Environment Agency (EEA) publishes a Consolidated Annual Activity Report (CAAR). The CAAR is the EEA's annual report, providing detailed information on the year's activities, performance and achievements, as well as operational, budgetary and management reporting. This online report, 'EEA 2021: the year in brief' draws on the CAAR, providing simple and transparent access to the EEA's 2021 work on key environmental topics in support of European environmental policy, along with an annual snapshot of the Agency as a workplace and its own environmental management and performance.

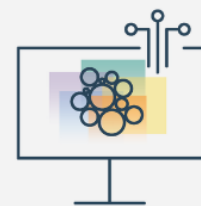
Published 14 Jun 2022 — Last modified 19 Sep 2022 — 1 min read

 PDF

By following the links below, you can access the different areas of this report, to find a more detailed overview of the EEA's achievements and performance in 2021. You can access individual work areas to look at specific themes, or get an overview of all the EEA's publications for 2021. The Our workplace section covers different aspects of the EEA as a place to work, while Environmental performance focuses on the EEA's own efforts to reduce emissions and become a more sustainable organisation.



Areas of work



2021 publications



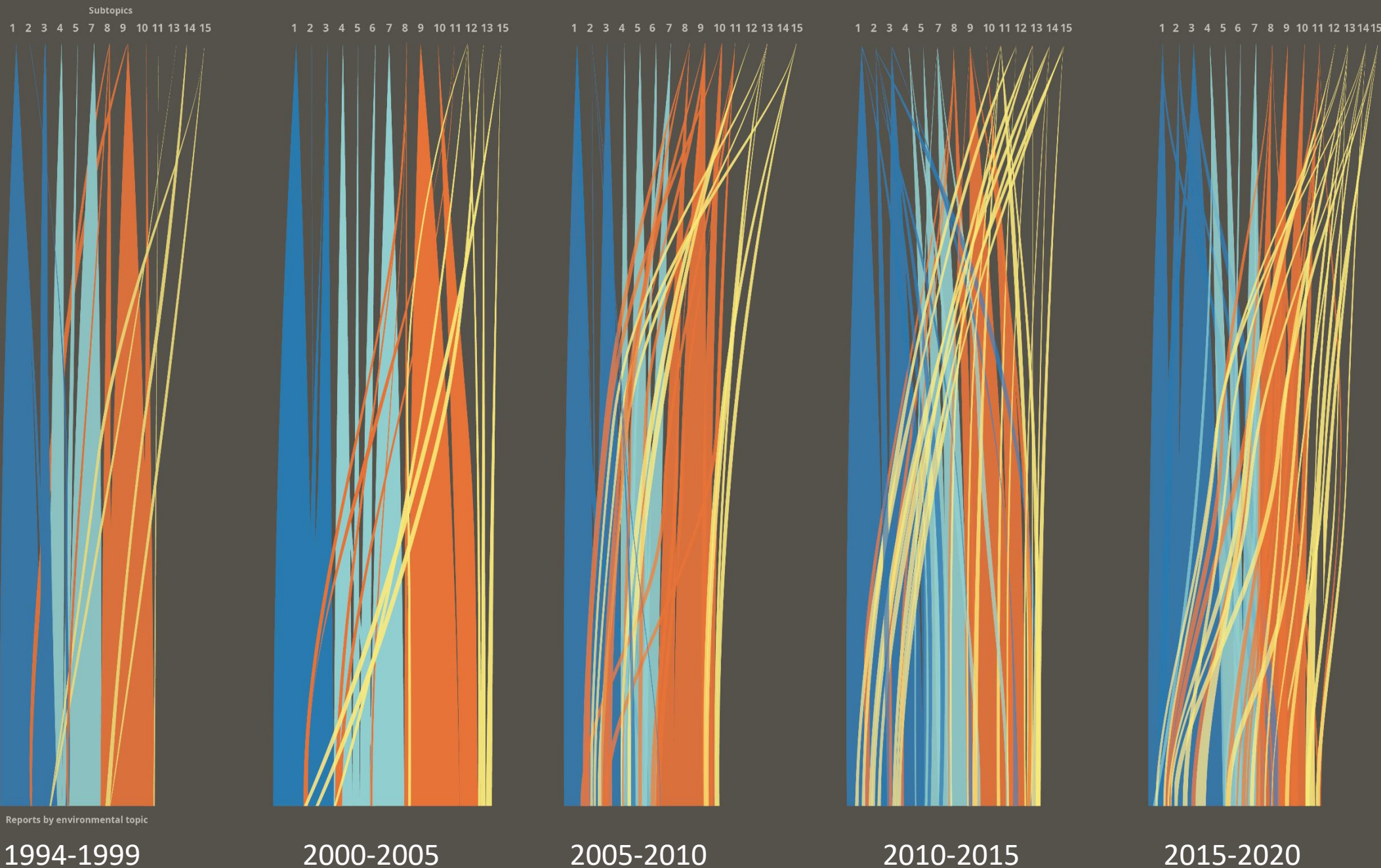
Our workplace



Environmental performance

Environmental topics
and subtopics

From fragmentation to integration: assessments over the years



Network power: Working across thematic areas to support EU policy



Areas of work

13 groups

- Biodiversity and Ecosystems 1
- Biodiversity and Ecosystems 2
- Circular Economy and Resource Use
- Climate Change Impacts, Vulnerability and Adaptation
- Climate Change Mitigation and Energy Systems
- Communication
- Data, technologies and digitalisation
- Food Systems
- Foresight
- Human Health and Environment
- Land Systems
- Mobility Systems
- State of the Environment

European Topic Centres: a shifting focus



Biodiversity and ecosystems
(NIVA)

Climate change adaptation and LULUCF
(CMCC)

Climate change mitigation
(VITO)

Data integration and digitalization
(EAA)

Human health and the environment
(NILU)

Resource use and circular economy
(VITO)

Sustainability transitions
(SYKE)



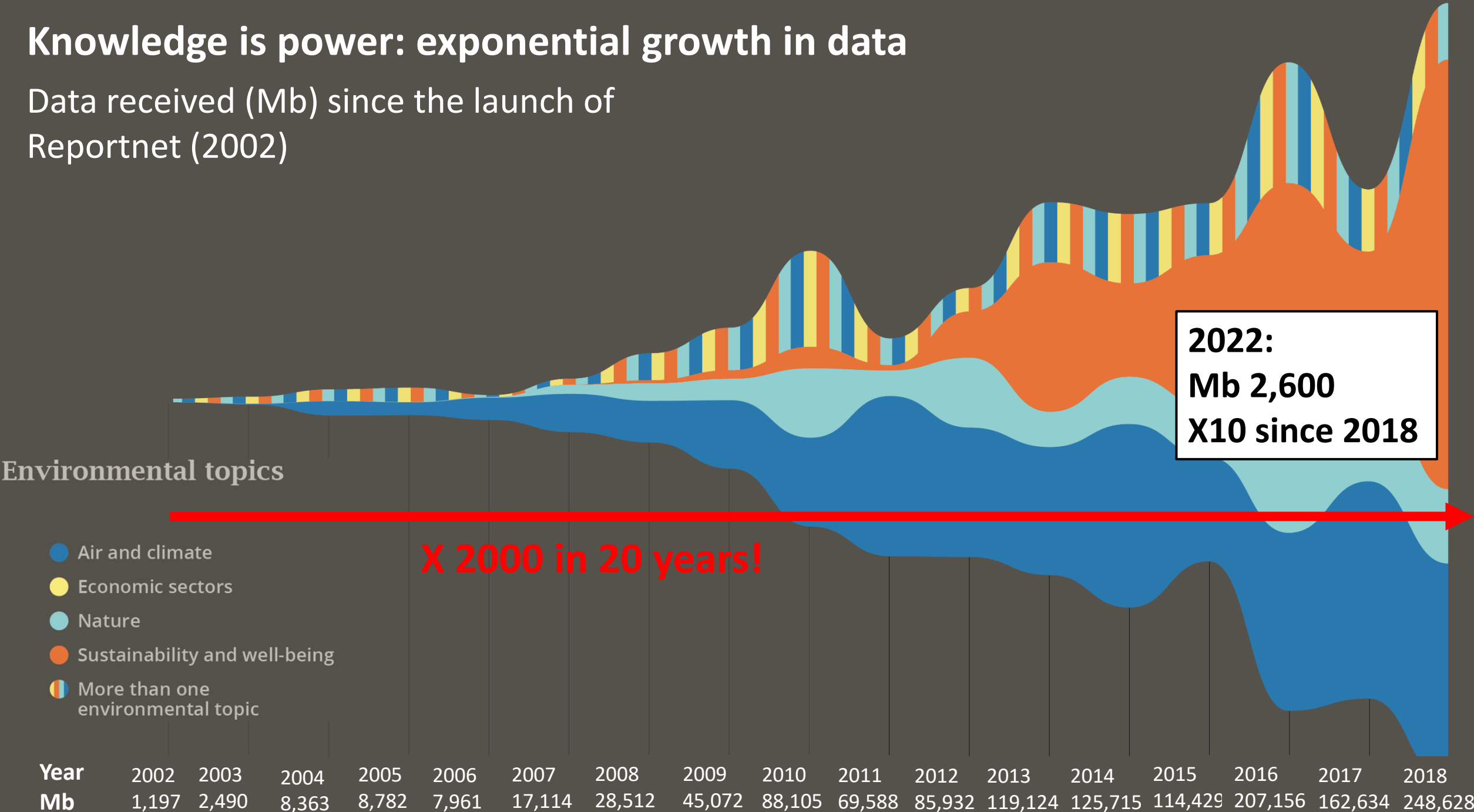
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Knowledge is power: exponential growth in data

Data received (Mb) since the launch of Reportnet (2002)

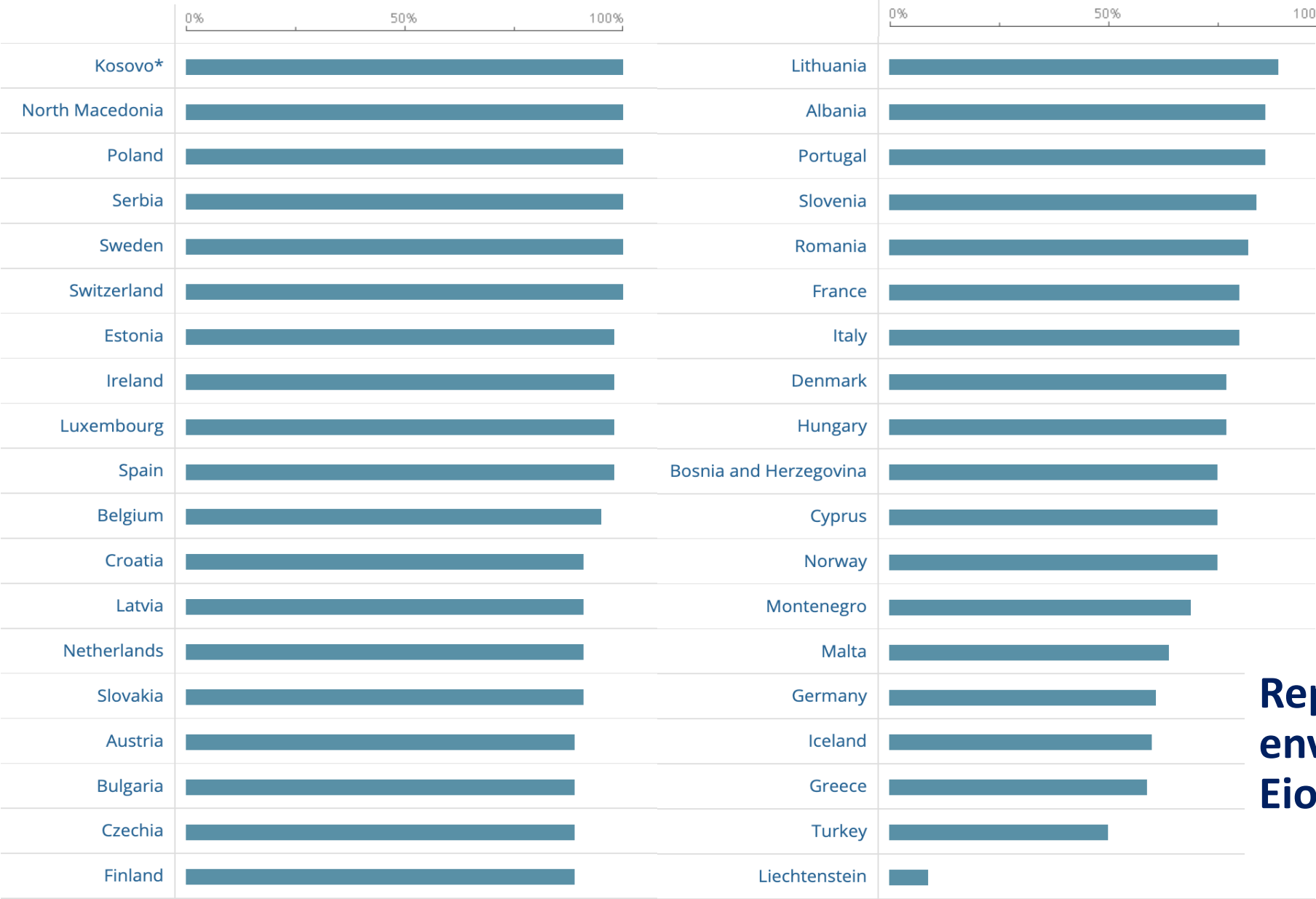


Environmental topics

- Air and climate
- Economic sectors
- Nature
- Sustainability and well-being
- More than one environmental topic

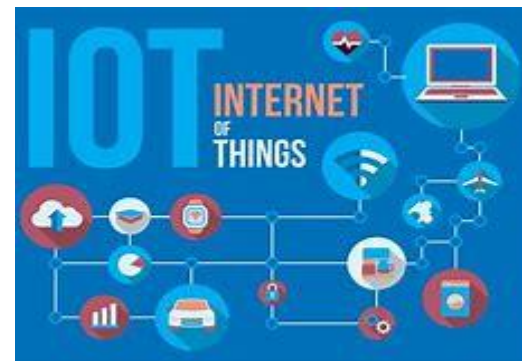
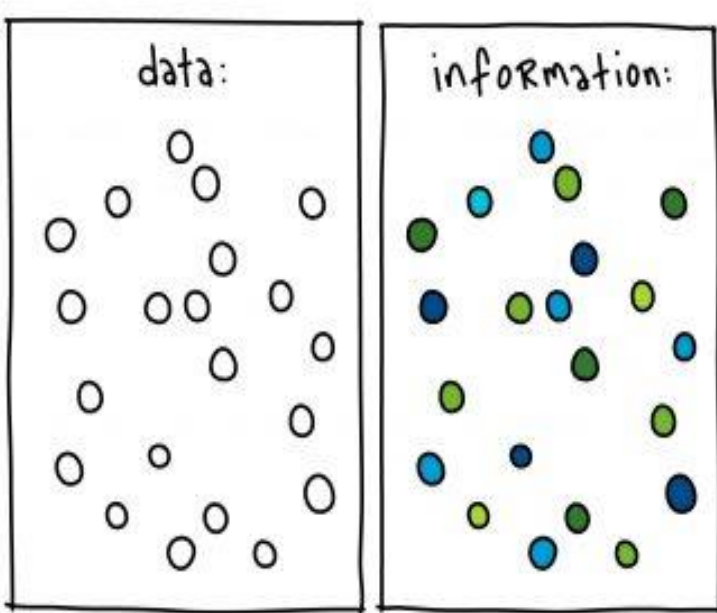
X 2000 in 20 years!

2022:
Mb 2,600
X10 since 2018

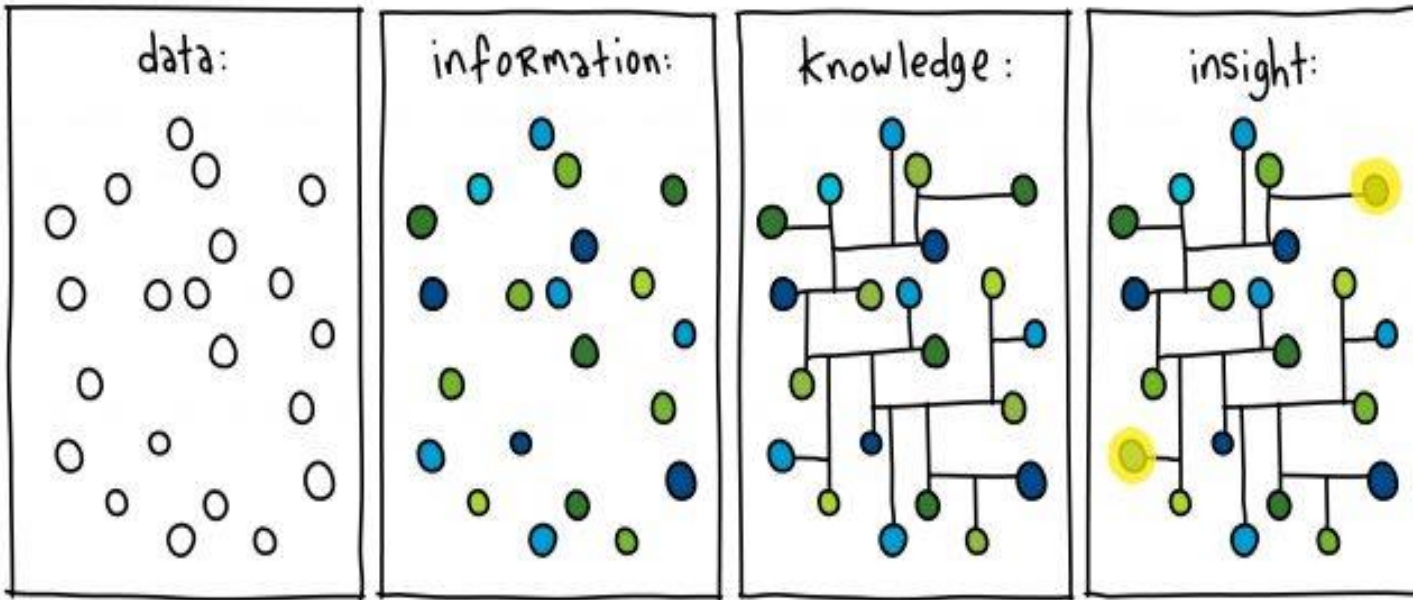


**Reporting to support
environmental policy:
Eionet core data flows 2021**

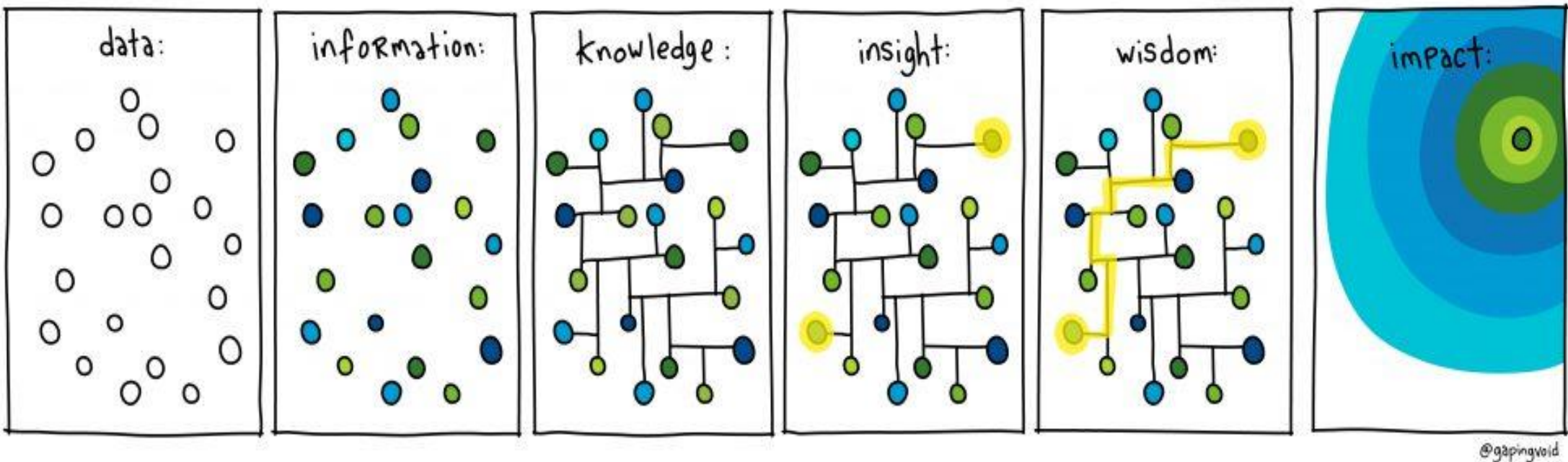
The foundation: turning data into information



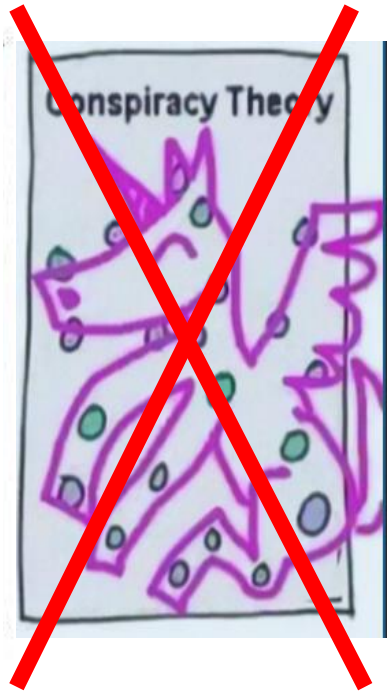
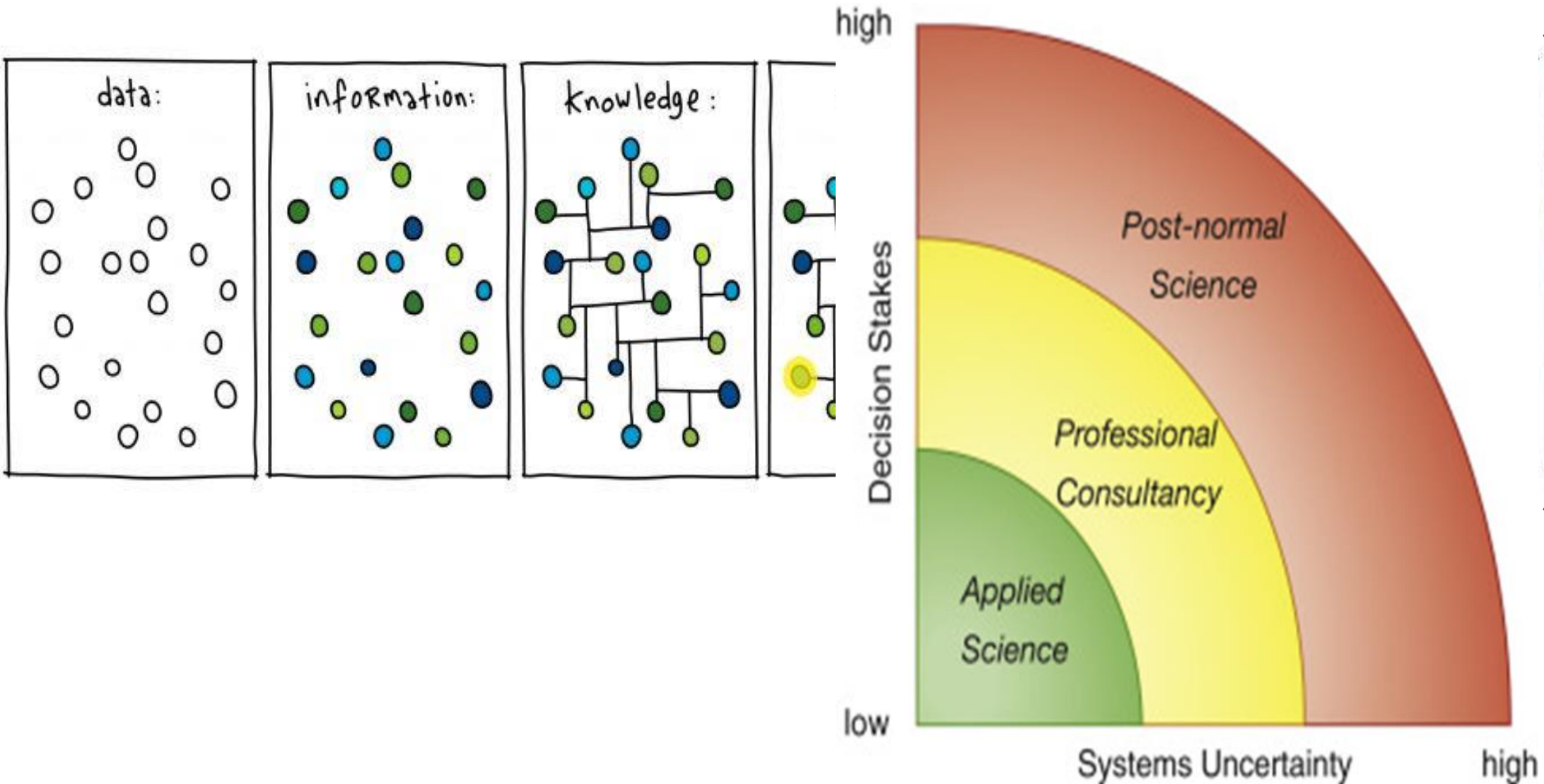
All about collaboration to create knowledge and insight



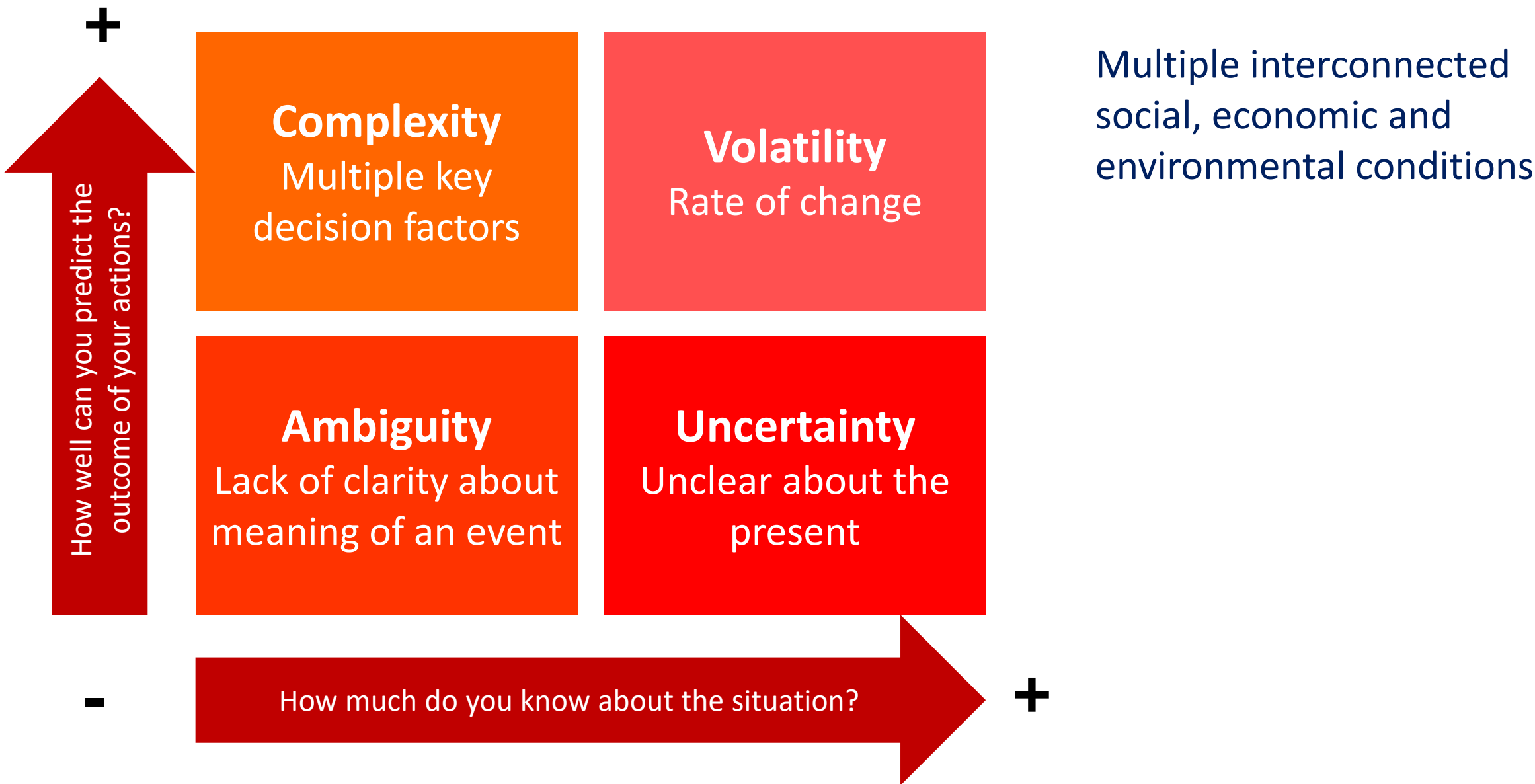
All that effort...to have impact of course!



The role of knowledge in a challenging context



Focus on landing knowledge in a complex socio-economic and political landscape





A new context of wicked problems

1. Time is running out
2. Policies discount the future irrationally
3. Those seeking to solve the problem are also causing it
4. No central authority

(Kelly Levin, Benjamin Cashore, Graeme Auld and Steven Bernstein, 2012, *Policy Sciences*)

EEA work areas supporting...

1 Biodiversity and ecosystems



2 Climate change mitigation and adaptation



3 Human health and the environment



4 Circular economy and resource use



5 Sustainability trends, prospects and responses



The European Green Deal

#EUGreenDeal

- First **climate-neutral** continent, incl. **Adaptation** Strategy
- **Biodiversity** Strategy 2030
- New **Circular Economy** Action Plan
- **Zero pollution** strategy
- **Farm to fork** strategy
- **Just transition**
- **Sustainable** European Investment Plan
- Future ready economy – new **industrial strategy**



Eionet projects: European Climate Risk Assessment (EUCRA)

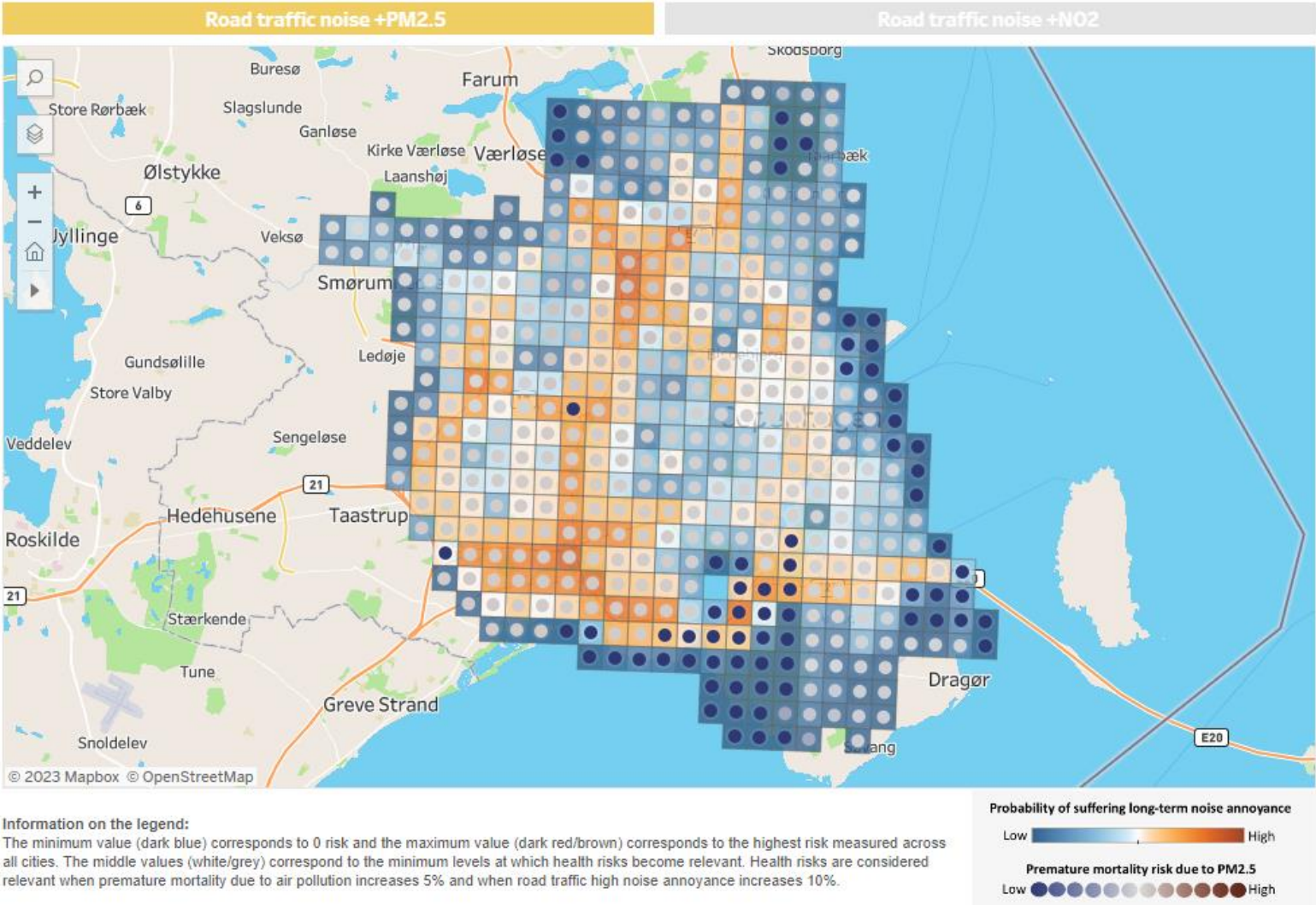
- Droughts, forest fires, health threats
- Stress test for key infrastructure

Project owners: Ms Giulia Galluccio, Italy / ETC-CA

Health risks from road traffic noise and air pollution - Copenhagen

The map below presents the health impact of air pollution and road traffic noise separately:

- the dots represent the risk of premature mortality due to levels of fine particulate matter (PM2.5);
- the squares represent the probability of suffering long-term high annoyance due to road traffic noise.



Eionet projects: Seeing noise and air pollution

Project owners:

EEA: Eulalia Peris

ETC ATNI and ETC HE: Nuria Blanes,
Joana Soares



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Systemic change requires information and insights, knowledge for action

Knowledge for Action

Empowering the transition
to a sustainable Europe

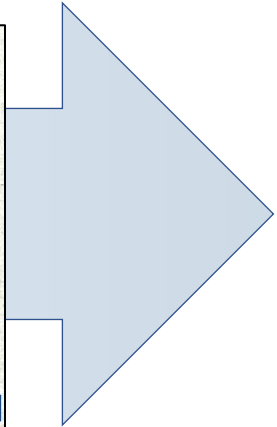
EEA Report | No 10/2021



Fundamental changes in knowledge and governance:

- **Systems literacy:** embracing uncertainty, complexity, foresight, and anticipatory thinking
- **Systemic policies:** looking across domains and scales
- **Participatory:** ambition, creativity of citizens, businesses, and communities
- **Polycentric:** enabling local action
- **Networked knowledge system/architecture**

EEA-Eionet: Helping shape the emerging policy discourse



Delivering data and knowledge to achieve
Europe's environment and climate ambitions

EEA-Eionet Strategy 2021-2030

***“a more flexible and innovative
knowledge network”***

***“more active engagement at the
country level”***





From EIO-net to European Environment Network



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Thank you!

Hans Bruyninckx | EEA-Eionet day, 1 March 2023



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New EEA website

Antonio De Marinis, Marie Jaegly | EEA-Eionet day, 1 March 2023



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The European Environment Agency provides sound, independent information on the environment for those involved in developing, adopting, implementing and evaluating environmental policy, and also the general public. In close collaboration with the [European Environmental Information and Observation Network \(Eionet\)](#) and its 32 member countries, the EEA gathers data and produces assessments on a wide range of topics related to the environment. [Learn more](#)



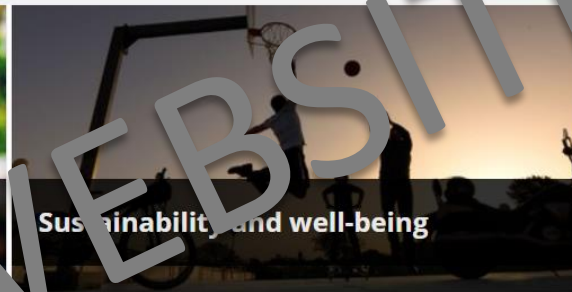
Air and climate

- [Air pollution](#)
- [Climate change adaptation](#)
- [Climate change mitigation](#)



Nature

- [Biodiversity – Ecosystems](#)
- [Land use](#)
- [Soil](#)
- [Water and marine environment](#)



Sustainability and well-being

- [Environment and health](#)
- [Policy instruments](#)
- [Resource efficiency and waste](#)
- [Sustainability transitions](#)



Economic sectors

- [Agriculture](#)
- [Energy](#)
- [Industry](#)
- [Transport](#)



Scaling up good practices can boost sustainability of plastics

Featured article

[Archive](#)



[Climate, nature and people: a shared future for our planet](#)

The stakes have never been



European Environment Agency



Topics

Analysis and data

Countries

Newsroom

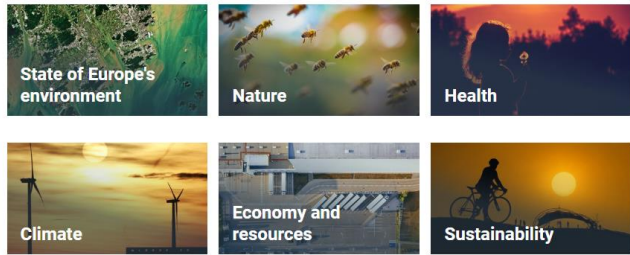
About us

Together with our Eionet network, we provide the analyses and data needed to achieve Europe's sustainability goals.

[More about the EEA](#)

The EEA works across many environmental topics. View our main topic areas and in-depth topics below.

At a glance: our main topics



In-depth topics A-Z

- Agriculture and food system

Air pollution

Bathing water quality

Biodiversity: state of habitats and species

Bioeconomy

Buildings and construction

Chemicals

Circular economy

Climate change impacts, risks and adaptation

Climate change mitigation: reducing emissions
- Electric vehicles

Energy

Energy efficiency

Environmental health impacts

Environmental inequalities

Extreme weather: floods, droughts, heatwaves...

Fisheries and aquaculture

Forests and forestry

Industry

Land use
- Nature-based solutions

Noise

Plastics

Pollution

Production and consumption

Renewable energy

Resource use and materials

Road transport

Seas and coasts
- Soil

Sustainability challenges

Sustainability solutions

Sustainable finance

Textiles

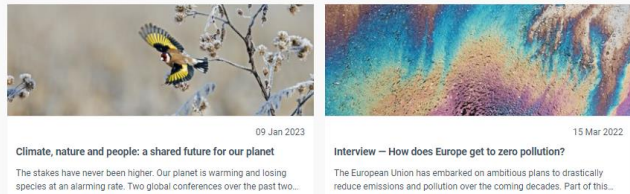
Transport and mobility

Urban sustainability

Waste and recycling

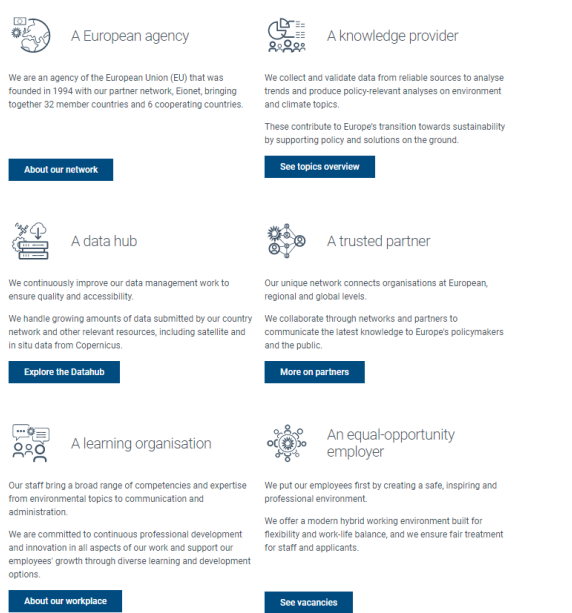
Water

In focus



The European Environment Agency (EEA) produces and provides independent and reliable knowledge needed to achieve Europe's environment and climate goals.

We are:



What is the Agency's purpose?

Our core tasks defined in the founding EU regulation include:

- supporting policy development and key global processes
- offering analytical expertise
- providing and maintaining an efficient reporting infrastructure for national and international data flows.

In collaboration with our partner network, we aim to inform decision-makers and the public about the state of Europe's environment, climate change and wider sustainability issues.

Note: Compliance and enforcement of EU legislation are beyond the responsibility of the EEA. They are the sole responsibility of the European Commission.

Our guiding principles

- These **five fundamental principles** guide all EEA's activities:
- **Strive for efficiency:** We build on previous experience and continuously challenge ourselves to explore emerging issues and tools within our areas of expertise.
 - **Lead by example:** We put words into action by implementing environmental recommendations throughout the agency. We are EMAS-certified and follow ambitious environmental commitments aimed at climate neutrality.
 - **Act independently:** We are a non-partisan organisation that acts independently and relies on trustworthy sources for data collection and knowledge.
 - **Embrace innovation:** We embrace the use of innovative digital technologies and data applications reaches to enable better data access and reduce our environmental footprint.
 - **Motivate and empower:** We invest in our staff and foster professional growth. We offer a safe, professional environment to

The European continent is surrounded by different seas and diverse coastal zones, essential to society, economy and nature in general. Climate change, pollution and over-exploitation are among the top threats these areas face. Europe has put in place measures to protect its seas, resulting in some local improvements.

Overview	Key facts	EU action	Press releases and articles
			Publications
			Indicators
			Maps and charts
			Country fact sheets

- Major threats to Europe's coasts and seas biodiversity and ecosystems today include:
- **Climate change impacts**, such as warmer surface waters and changes in pH and salinity levels, make it impossible for some shellfish to survive under new conditions
 - Coastal erosion and **rising sea levels**
 - Pressures from **fishing and aquaculture activities**
 - **Pollution and eutrophication** (nutrient pollution) from land- and sea-based activities, including agriculture
 - Dense **coastal urban development** and tourism
 - **Energy transmission lines** and mining activities, and
 - **Spread of non-indigenous invasive species**, especially by shipping.
- EU policies and action by Member States have started resulting in local improvements but much more effort is needed to achieve sustainability in Europe's seas.



Marine litter: Where does it come from?

There are no surprises: **land-based sources** account for a massive **80% of marine litter** in Europe, and approximately **65% of it is plastic**, according to the EEA web report *From source to sea – The untold story of marine litter: Packaging and small plastic items* make up nearly 80% of this plastic waste.

The new EEA report is the **first Europe-wide study** of its kind taking a holistic look at how this litter is created and ends up in our European seas via our rivers.

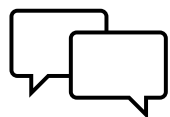
See marine litter report



New Datahub



A new data section Datahub



Meet us at
Datahub stand in
Eionet delivers
(11:45 – 13:00)
Herdis Gudbrandsdottir



European
Environment
Agency | **Datahub**

About

Featured data

EEA data policy



Datahub

Share

The EEA's knowledge work relies on high-quality data. Through our network and other institutional partners across 38 European countries, we collect, quality-assure and quality-check data on a wide set of topics and legislation related to the environment, climate and sustainability. This datahub allows you to explore and download these data.

38

Member and cooperating countries

225

datasets

400

National partner institutions

Search data by keyword



Browse by

EEA topics

Legislation

Formats

Agriculture and food (3 items)

Air pollution (18 items)

Biodiversity (23 items)

Climate change adaptation (18 items)

Climate change mitigation (18 items)

Energy (7 items)

Environmental health impacts (9 items)

Extreme weather (1 item)

Industry (6 items)

Land use (26 items)

Pollution (2 items)

Soil (4 items)

Sustainability solutions (1 item)

Transport and mobility (4 items)

Waste and recycling (2 items)

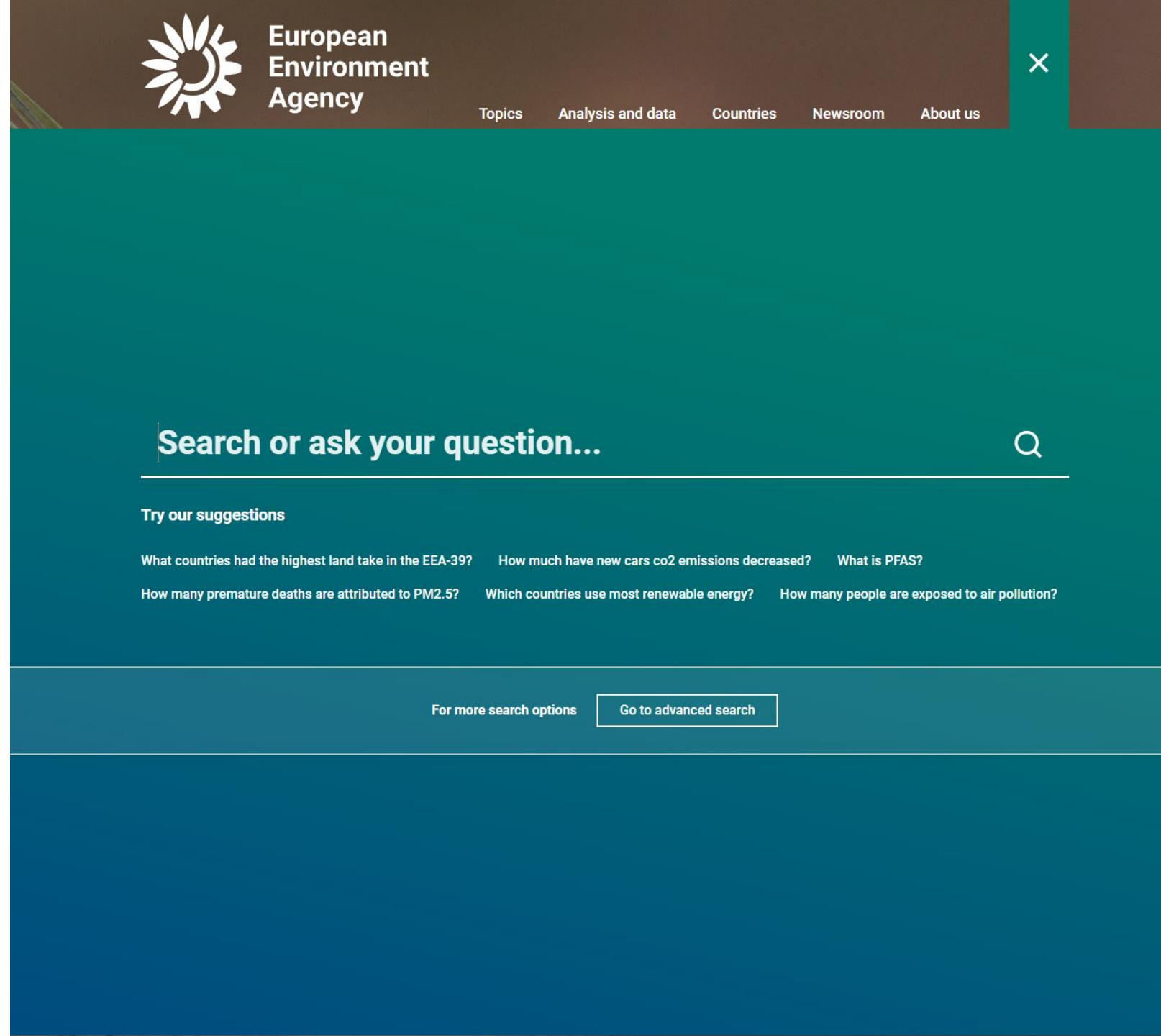
Water (26 items)

New Search



The average employee spends **hours daily** searching for information

Up to **80 days per year** spent on searching!



New Search



Search
across **all content**
from Eionet
site, ETCs and all
the
thematic platforms



Faster and better
search results



European
Environment
Agency

Topics

Analysis and data

Countries

Newsroom

About us



Advanced search

🏠 > Advanced search

← Back to search home

plastic waste



Active filters clear all



All (288)

News (1)

Publications (274)

Others (13)

Topics

Websites (1)

Regions/Places

+ More filters

☐ Include archived content

Last 5 years

Relevance

Publications > Report

ETC/CE Report 2023/2 The fate of EU plastic waste

ETC/CE Report 2023/2 The fate of EU **plastic waste** 20 Feb 2023 Alessio D'Amato, Francesco Nicolli, Susanna Paleari, Shahrzad Manoochehri, Mathias Schluep, Adrien Specker, Jessica Tuscano, Carlo Piscitello ... , Henning Wilts, Tobias Nielsen The report investigates the dynamics of **plastic waste** trade within the EU and exports from the EU. ... It demonstrates that EU **plastic waste** exports continue to decline and are concentrated in few receiving countries. ...

Published: 15 Feb 2023

Topics: Various other issues

Source: European Environment Information and Observation Network (Eionet) / etcs / etc-ce / products

Publications > Report

ETC/CE Report 2022/7 Non-packaging plastics in Europe

ETC/CE Report 2022/7 Non-packaging plastics in Europe 05 Dec 2022 Malin Castell Rudenhausen, Alexandra Almasi, Ive Vanderreydt, Shane Colgan, Tobias Nielsen **Plastic** is used in many ways and in large quantities ... Currently, most policy actions focus on **plastic** packaging, even though a large proportion of plastics are used for non-packaging applications, such as construction, furniture and consumer electronics. ... Improved reporting on the flows of non-packaging plastics is needed to inform the development of effective policies and measures that target this significant **waste** stream and increase resource efficiency ...

Published: 5 Dec 2022

Topics: Various other issues


Source: European Environment Information and Observation Network (Eionet) / etcs / etc-ce / products

And more features...








Ability to
directly answer
to questions
(AI feature)

How many people are exposed to air pollution?

Active filters [clear all](#) 

[All \(929\)](#) [News \(98\)](#) [Publications \(677\)](#) [Maps and charts \(9\)](#) [Data \(2\)](#) [Others \(170\)](#)


[Topics](#)  [Websites](#)  [Regions/Places](#)  [+ More filters](#) ☐ [Include archived content](#) [Last 5 years](#)  [Newest](#) 

[Direct answers](#) [About direct answers](#)

ETC HE Report 2022/12: European air quality maps for 2020. PM10, PM2.5, Ozone, NO2, NOx and Benzo(a)pyrene spatial estimates and their uncertainties.

The maps for the three most frequently exceeded EU standards (PM10 daily limit value, O3 target value and NO2 annual limit value) have been combined, see Map S.1. [ETC HE Report 2022/12 11 Map S.1: Exceedance of Health-Related Air Quality Standards, 2020](#) The combined population exposure shows the following results: out of the total population of 623 million in the mapping area, 5 % (34.4 million) people live in areas where two or three of these air quality standards are exceeded; and 0.05 % (314 000) people live in areas where all three standards are exceeded.

Source:
European Environment Information and Observation Network (Eionet) / etcs / etc-he / products

[Help us improve our answers](#) 



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Timeline

01-03-2023
Preview at Eionet day



22-03-2023
Launch at the European
Environment Network
Conference

March 2023

Q2-Q4 2023, 2024

Final fixes until the launch

Coming next, improvements for:

- Online publications
- Country pages
- Integration of public pages of Eionet portal
- Improved Datahub
- Improved Search
- Harmonised design with other sites



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New EEA website

New website
eea.europa.eu/en



Feedback form



Thank you



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Eionet collaboration tools 2.0

Ana Cardoso, Nils Hettich | EEA-Eionet day, 1 March 2023

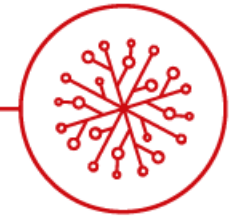


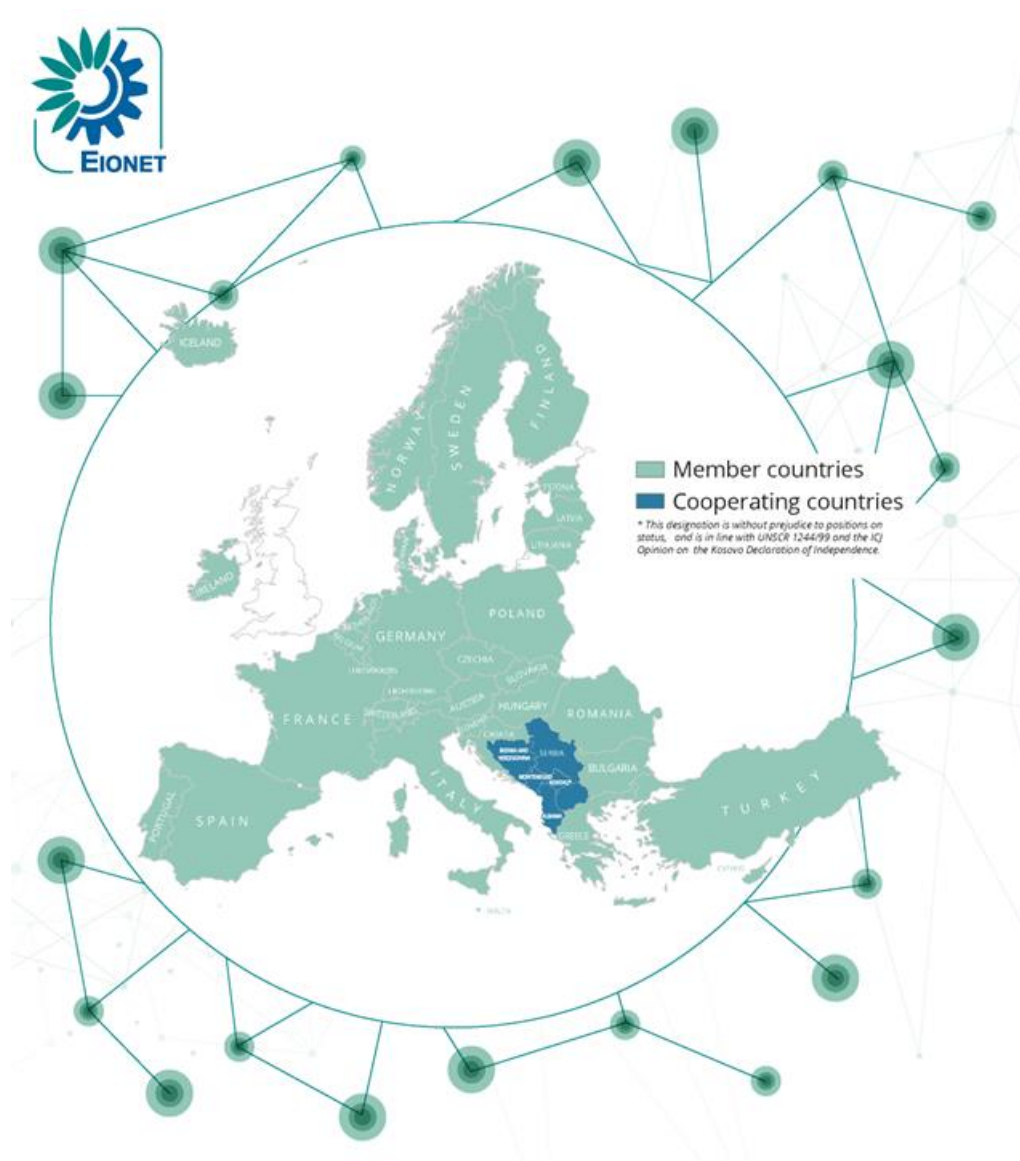
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Building stronger networks and partnerships

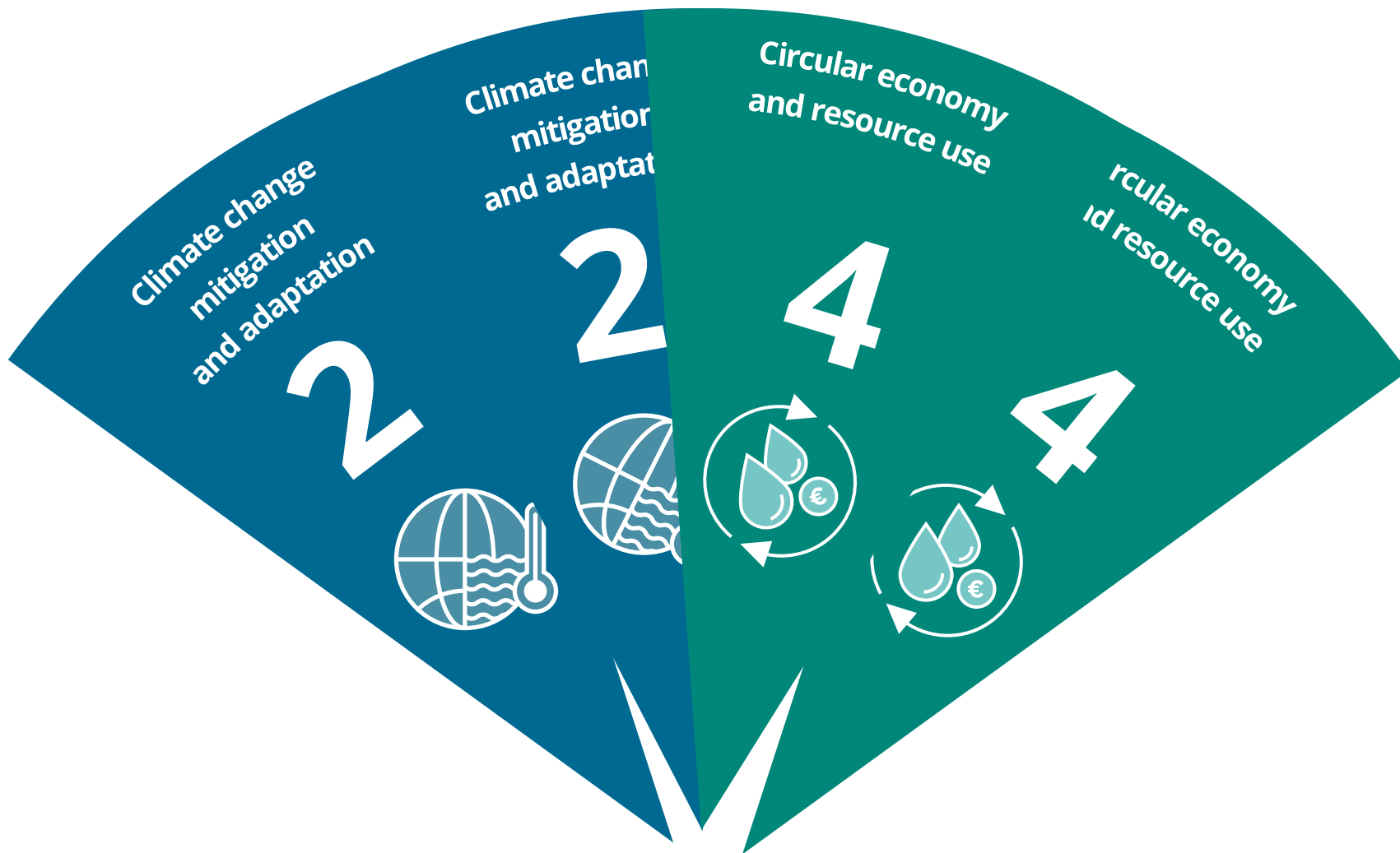




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[Events](#)[Consultations](#)[Inquiries](#)

Ongoing(1)

Upcoming(4)

Past(12)

Event	Eionet groups	Registrations	Start date	End date	Register
2023 EEA Eionet day	NFPs	2	01-Mar-23 09:00	01-Mar-23 20:00	
Annual meeting of the Eionet Group on Food Systems	EG-food-systems	1	08-Mar-23 09:00	09-Mar-23 16:00	
Webinar on circular economy	EG-circular-economy		29-Mar-23 13:00	29-Mar-23 15:00	
Foresight annual meeting	EG-foresight		31-May-23 09:00	01-Jun-23 16:00	

Eionet collaboration tools 2.0

Rolling out to the network in 2023



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Thank you

Ana Cardoso, Nils Hettich | EEA-Eionet day, 1 March 2023



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