

*Implementation of the Shared Environmental
Information System (SEIS) principles and practices
in the Eastern Partnership countries*

*The **ENI SEIS II East** project (2016-2020)*

*The European Environment Agency (EEA) and the European
environment information and observation network (Eionet)*

The European Environment Agency (EEA)

Coordinate the

European environment information and observation network (Eionet)

INSTITUTIONAL COOPERATION

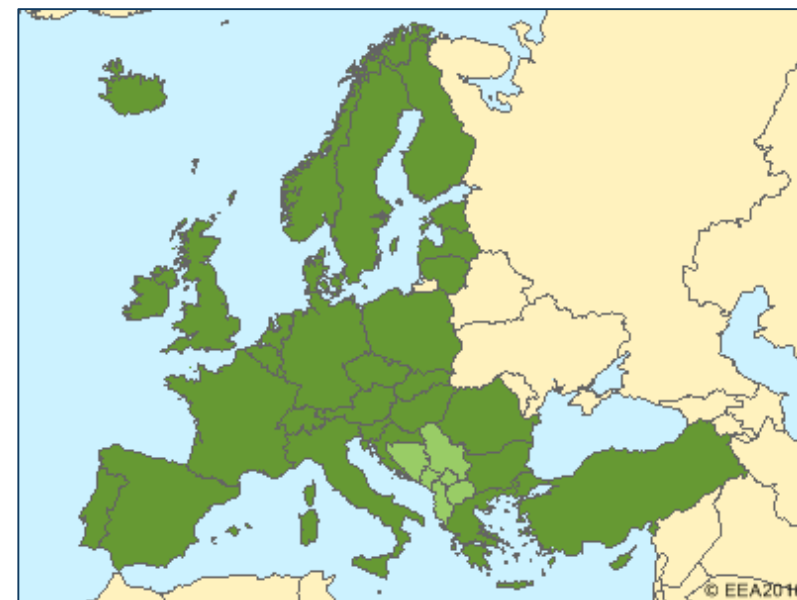
(approx. 350 national bodies)

COMMON KNOWLEDGE

(approx. 1500 experts)

SHARED INFRASTRUCTURE

(Reportnet, reporting obligations, tools)



33 Member countries (EU28+5) +
6 Cooperating countries (West Balkan)



The developing policy framework

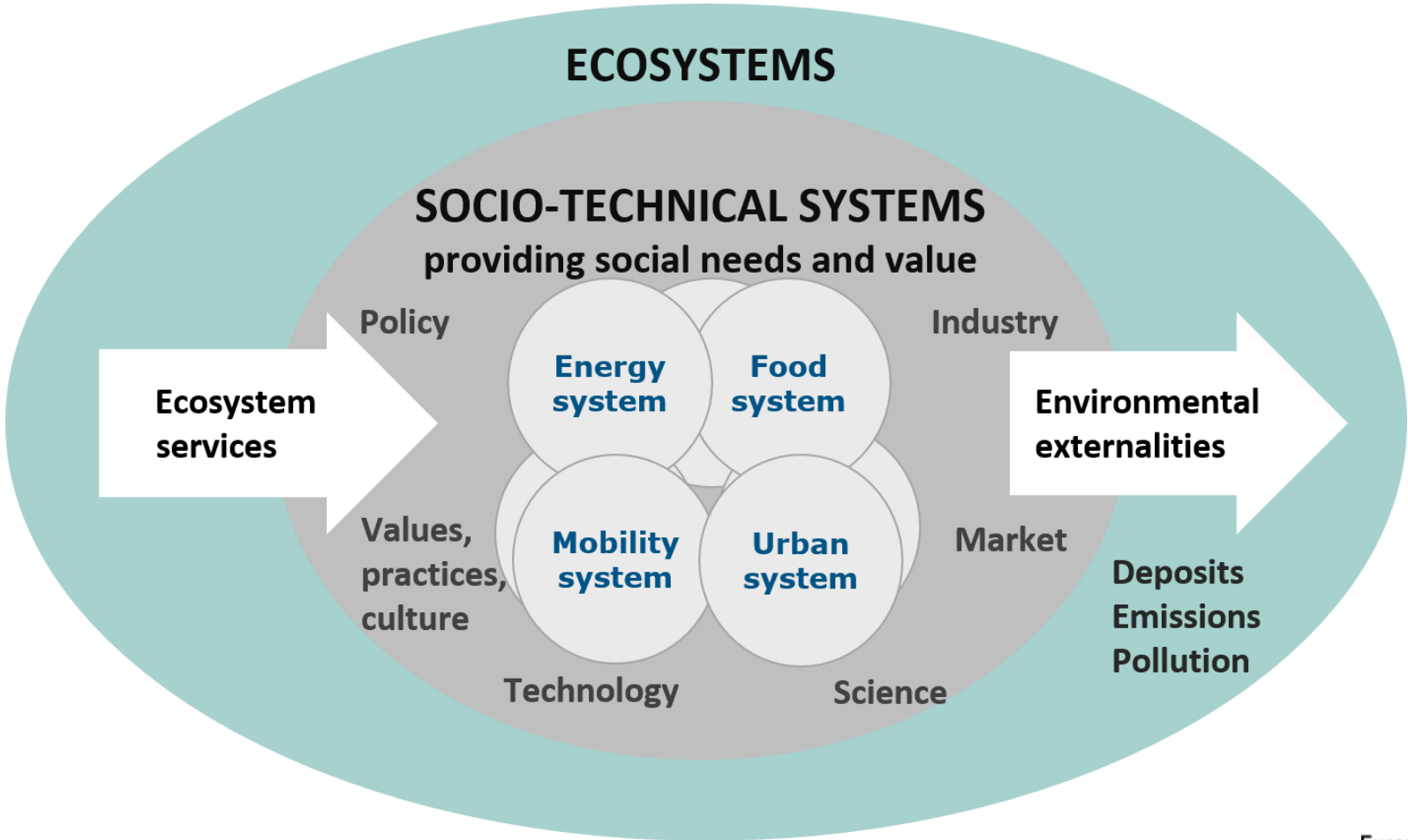


2020 Existing overarching EU policy frameworks, comprehensive policies, specific targets

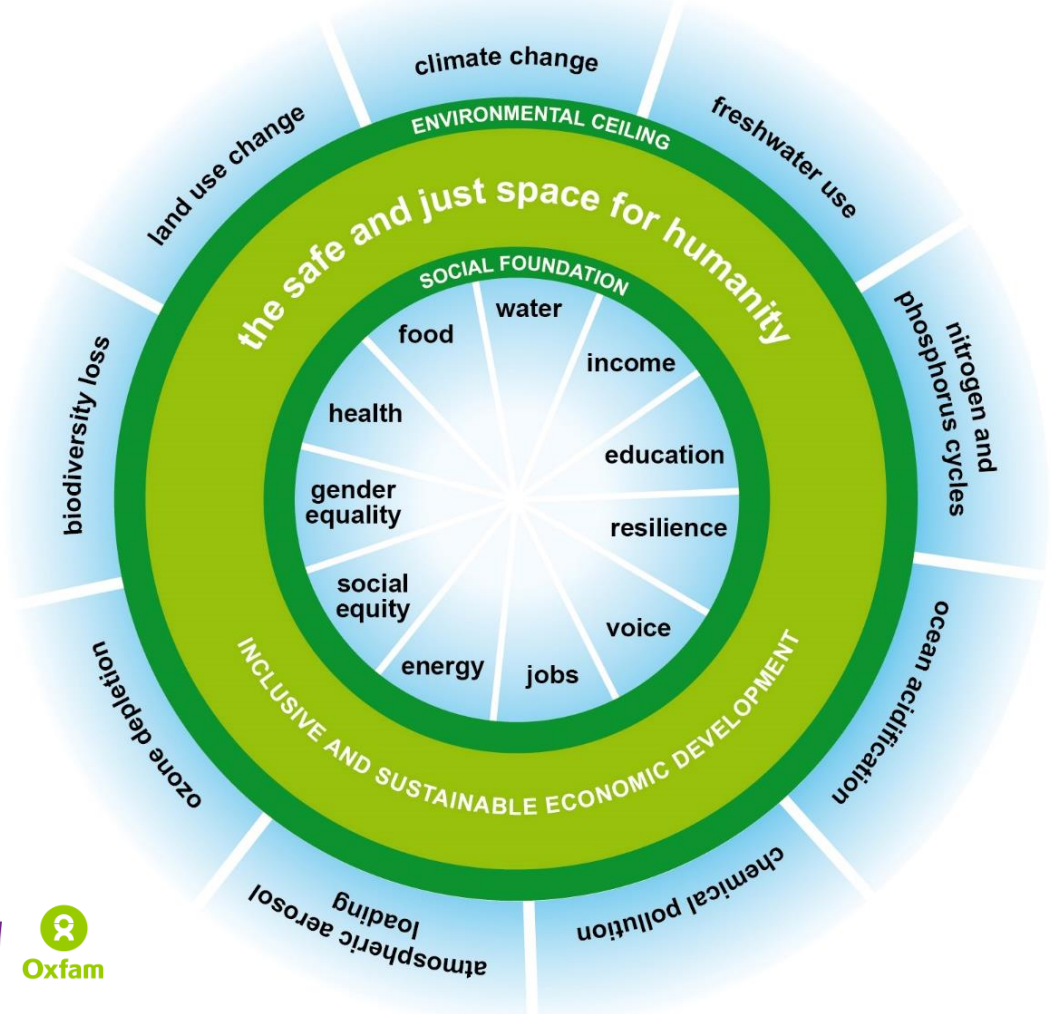
2030 Emerging EU policy frameworks

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

7th EAP - Living well, within the limits of our planet



A safe and just space for humanity





SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

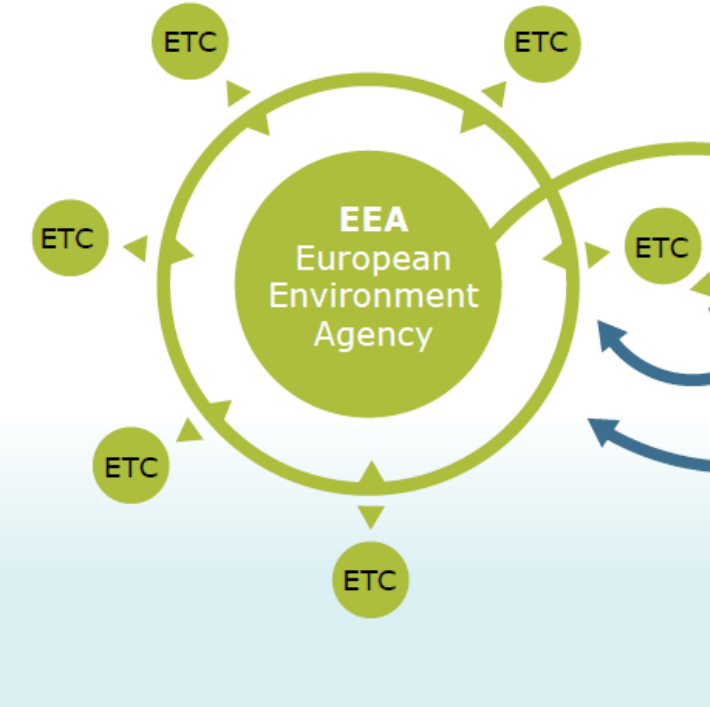
SUSTAINABLE DEVELOPMENT GOALS



Eionet structure *(European vs. national)*

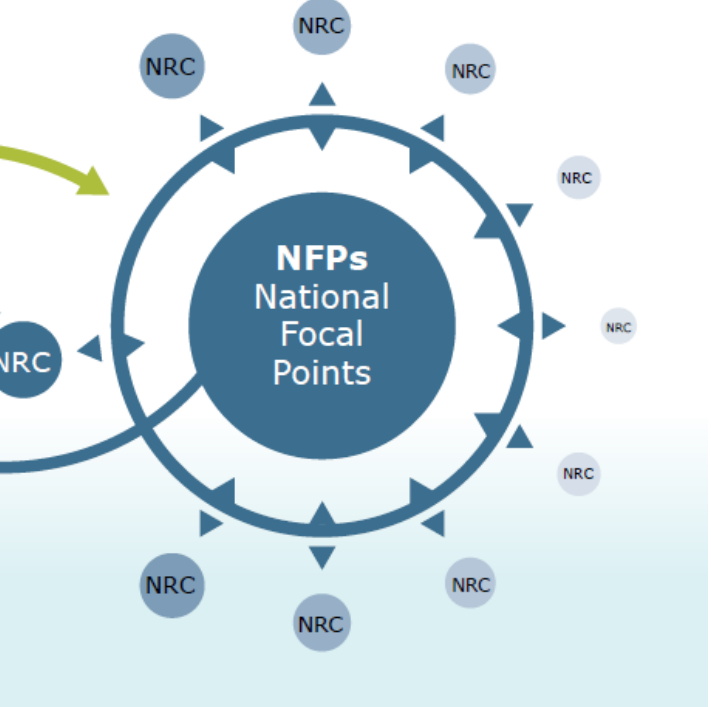
European Topic Centres (ETC)

6



National Reference Centres (NRC)

24

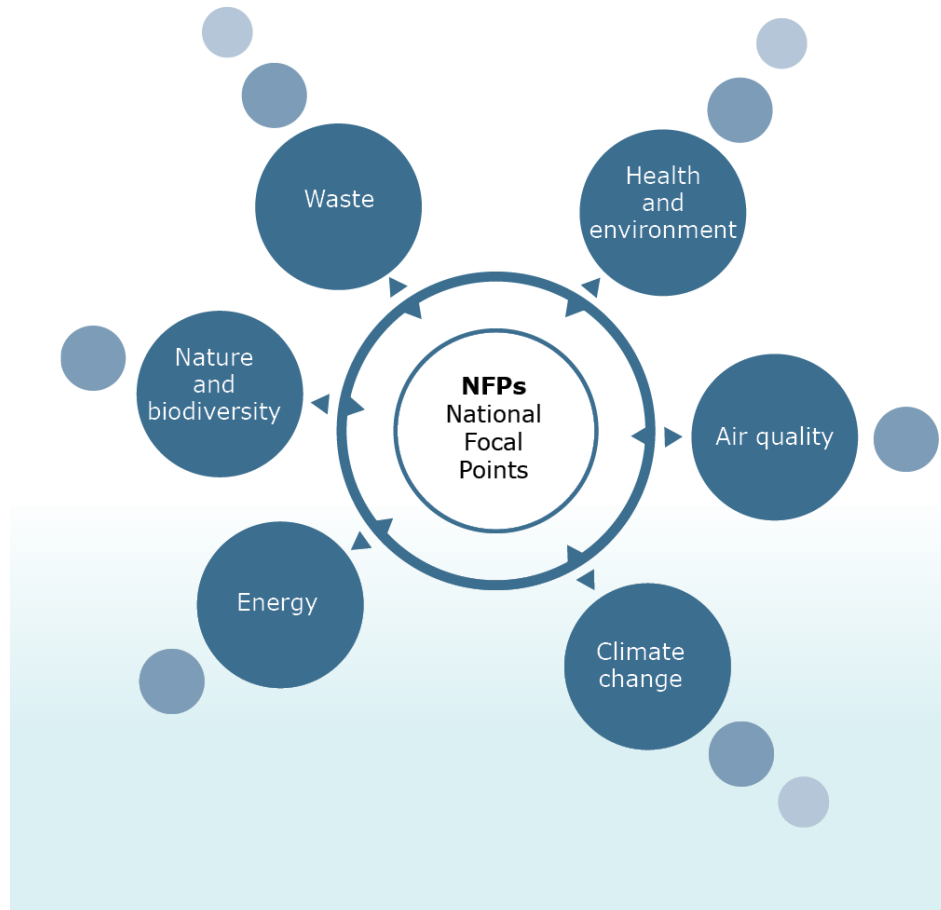


European Topic Centres (ETC)



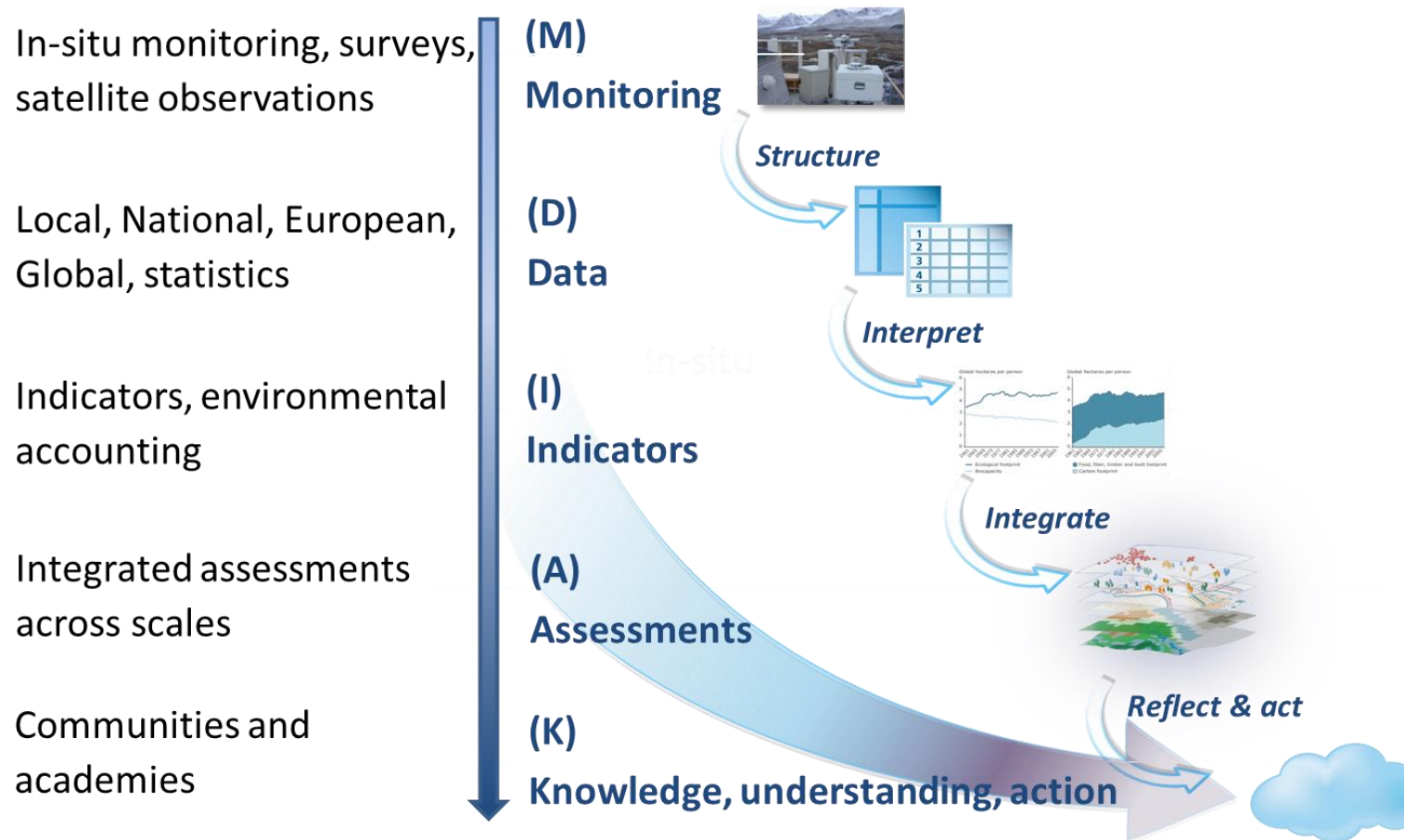
<http://www.eionet.europa.eu/menutopics>

National Reference Centres (NRC)– 24 expert networks

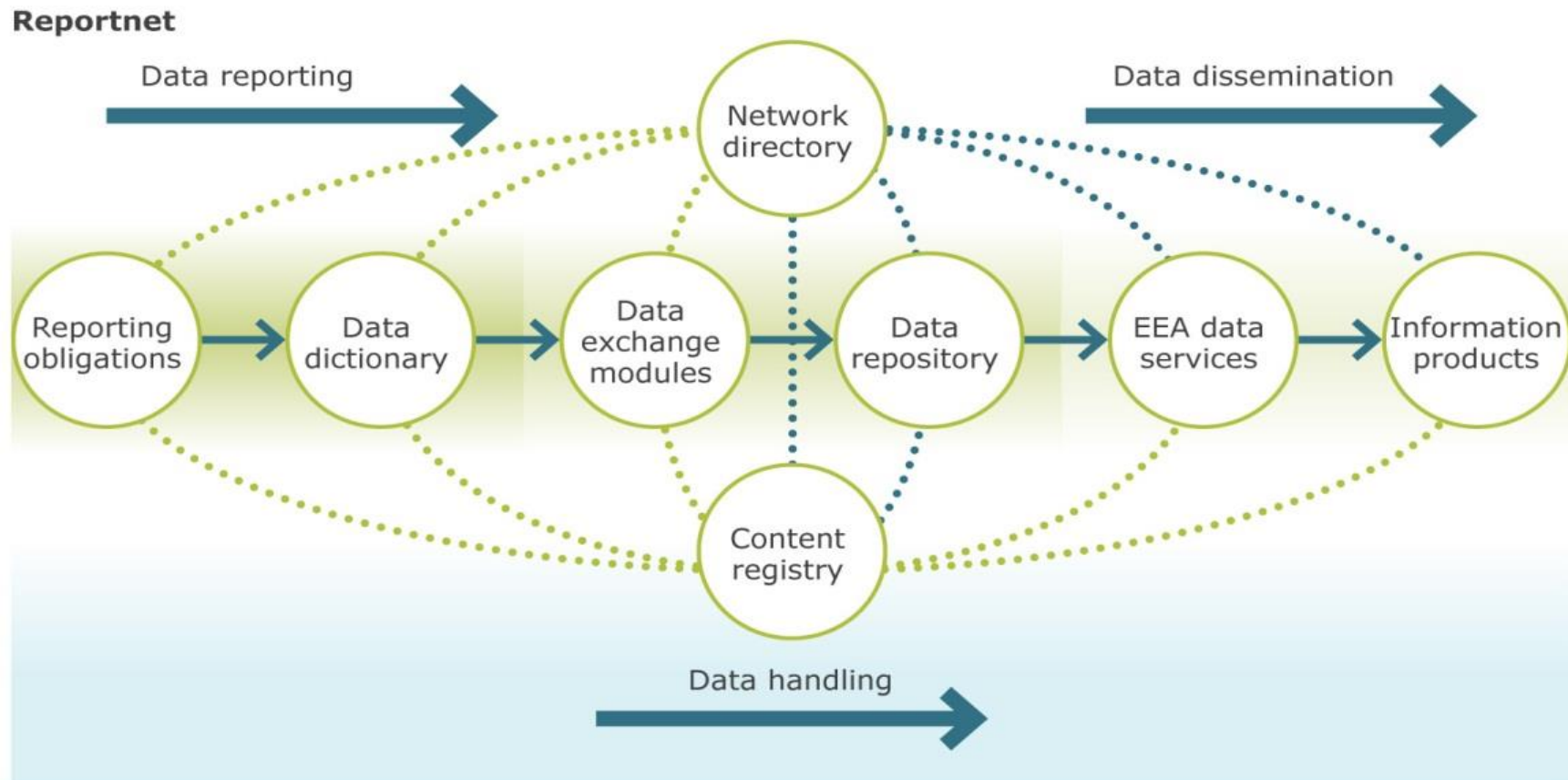


Agriculture
Air Quality
Biodiversity data and information
Biodiversity and ecosystems indicators and assessment
Climate Change Impacts, Vulnerability and Adaptation
Communication
Energy
Environmental Information Systems
Forward looking information and services
Health
Industrial pollution
Land Cover
Land Use and Spatial Planning
Marine, coastal and maritime
Mitigation of air pollution and climate change
Noise
Resource-efficient economy
State of the Environment (SoE)
Soil
Transport
Waste
Water Emissions
Water quality and ecological status
Water quantity

Knowledge management at the EEA



Shared infrastructure ("*Reportnet*")



Review of the Eionet "core data flows" (2016→)

Theme	Instrument	Obligation
Air pollution (emissions)	CLRTAP	Air emission annual data reporting (CLRTAP/EMEP)
Air pollution (air quality)	Air Quality Directive IPR	(E1a) Information on primary validated assessment data - measurements (Art. 10)
Air pollution (air quality)	Air Quality Directive IPR	(E2a) Primary up-to-date assessment data
Noise	Environmental Noise Directive	Strategic noise maps (DF4-8)
Industrial pollution	E-PRTR regulation	E-PRTR data reporting
Climate change mitigation	Greenhouse gas Monitoring Mechanism (MMR)	Greenhouse gas inventories (MMR)
Climate change mitigation	Greenhouse gas Monitoring Mechanism Regulation (MMR)	Approximated greenhouse gas inventories
Climate change mitigation	Greenhouse gas Monitoring Mechanism Regulation (MMR)	GHG projections

Water	Bathing Water Directive - 2006/7/EC	Bathing Water Directive - Identification of Bathing Waters - Article 13.1 and Bathing Water Directive - Monitoring and Classification - Article 13.2 to identify scope of reporting
Water	EEA AWP	WISE SoE water quality, merged dataflow (WISE 4) combining the old WISE SoE Rivers, lakes and Groundwater (EWN 1-3)
Water	EEA AWP	WISE SoE - Water Quantity (WISE 3 - former EWN4)
Water	Urban Waste Water Treatment Directive	Urban Waste Water Treatment Directive - Implementation - Article 15.4
Water	Water Framework Directive	Water Framework Directive – Programmes of measures Article 11 and River Basin Management Plans - Article 13
Marine	EEA AWP	EEA AWP, Marine Data (ME-1) + Biological data in TC waters (WISE-2)
Biodiversity	Birds & Habitats Directives For non-Natura2000 countries: Bern Convention	Information on Natura 2000 sites (SPAs, Birds Directive); (SCIs/SACs, Habitats Directive) For non-Natura2000 countries: Emerald network
Biodiversity	Birds Directive	Progress/implementation report (Article 12, Birds Directive)
Biodiversity	EEA AWP	Nationally designated areas (CDDA-1)
Biodiversity	Habitats Directive	Report on Implementation Measures (Article 17, Habitats Directive)

Examples of European knowledge platforms

WISE
Water Information System for Europe

The Water Information System for Europe – or more commonly known as WISE – is your gateway to information on European water issues. It comprises a wide range of data and information collected by EU institutions to serve several stakeholders.

WATER

WISE is a partnership between the European Commission and Eurostat and the European Environment Agency. It is the European gateway to information on European water issues. It comprises a wide range of data and information collected by EU institutions to serve several stakeholders.

- DG Environment leads the policy and strategic aspect of WISE. It liaises with Member States, especially on official reporting requirements of EU water legislation. For more information: <http://ec.europa.eu/environment/water/index.html>
- The European Environment Agency hosts the Water Data Centre and the thematic WISE webpages. For more information: <http://www.eea.europa.eu/themes/water>
- The Joint Research Centre conducts environmental monitoring, including nowcasting and forecasting services. For more information: <http://desert.jrc.ec.europa.eu/the-iafite/>

Climate-ADAPT - Sharing adaptation information across Europe
European Climate Adaptation Platform

About Database EU policy Countries, regions, cities Knowledge Network Help

CLIMATE CHANGE

About Climate Change Adaptation in Europe
The European Climate Adaptation Platform (Climate-ADAPT) aims to support Europe in adapting to climate change. It is an initiative of the European Commission and helps users to access and share information on:

EIONET
The Air Quality Portal

Home Reporting requirements Toolbox Products Meetings Links

Welcome to the Air Quality Portal
This portal contains details relevant for the reporting of air quality information from EU Member States and other EEA member and co-operating countries. This information is submitted according to Directives 2004/107/EC and 2008/50/EC of the European Parliament and of the Council. The rules for this exchange are set out in the Commission implementing decision 2011/950/EU.

AIR QUALITY

What's new

- working documents for second TIRP meeting - 23/11/2016
- new viewer feedback on submission - 23/11/2016

EU Biodiversity Strategy to 2020
Our life insurance, our natural capital

The protection, conservation and enhancement of the Union's natural capital is one of the 9 priority objectives of the 7th General Union Environment Action Programme to 2020. Living well, within the limits of our planet.

BIODIVERSITY

Progress against targets

BISE Highlights

- Towards the 2020 biodiversity targets
- Mapping and Assessment of Ecosystems and their Services (MAES)
- BISE - CHiTs network of Europe
- Mid-term review of the EU biodiversity strategy to 2020
- Leaflet and interactive presentation
- Interactive presentation of EU Biodiversity Strategy Mid Term Review

News - Europe

- LIFE, 18 Nov 2016
- LIFEnews N°9 2016
- EC, 17 Nov 2016
- Urban neighbourhood resilient food new assessment tool hamburg
- EC, 17 Nov 2016
- How to increase uptake environmentally friendly fertilisers germany
- EC, 17 Nov 2016
- Nitrification inhibitors climate change mitigation ipcc less effective than thought
- EC, 17 Nov 2016
- Household sources biocidal active substances assessed

News - World

- CBD, 22 Nov 2016
- What will 1.5°C at global warming actually look like?
- CBD, 22 Nov 2016
- Climate Change is Hindering The Cooling Properties Of Earth
- Volcanoes
- CBD, 22 Nov 2016
- Marrakech: Where Extraordinary Momentum Is Shown on Climate Change
- CBD, 22 Nov 2016
- Coal Mine Threatens Ecological Paradise in Chile's Patagonia Region
- CBD, 22 Nov 2016
- Glow-in-the-dark geckos' help in

Copernicus Land Monitoring Service

Global Pan-European Local Reference data

LAND

Copernicus is an European system for monitoring the Earth. Data is collected by different sources, including Earth observation satellites and in-situ sensors. The data is processed and provides reliable and up-to-date information about six thematic areas: land, marine, atmosphere, climate change, emergency management and security. The land theme is divided into four main components:

- Global**: provides a series of bio-geophysical products on the status and evolution of the land surface at global scale at mid and low spatial resolution
- Pan-European**: provides information about the land cover and land use (LC/LU), land cover and land use changes and land cover characteristics
- Local**: focuses on different hotspots, i.e. areas that are prone to specific environmental challenges and problems
- Reference data**: All of the Copernicus services need access to in-situ data in order to ensure an efficient and effective use of Copernicus space-borne data

State and Outlook of the Environment (SOER)

