



This project is funded
by the European Union



European
Environment
Agency

ENI SEIS II EAST Project

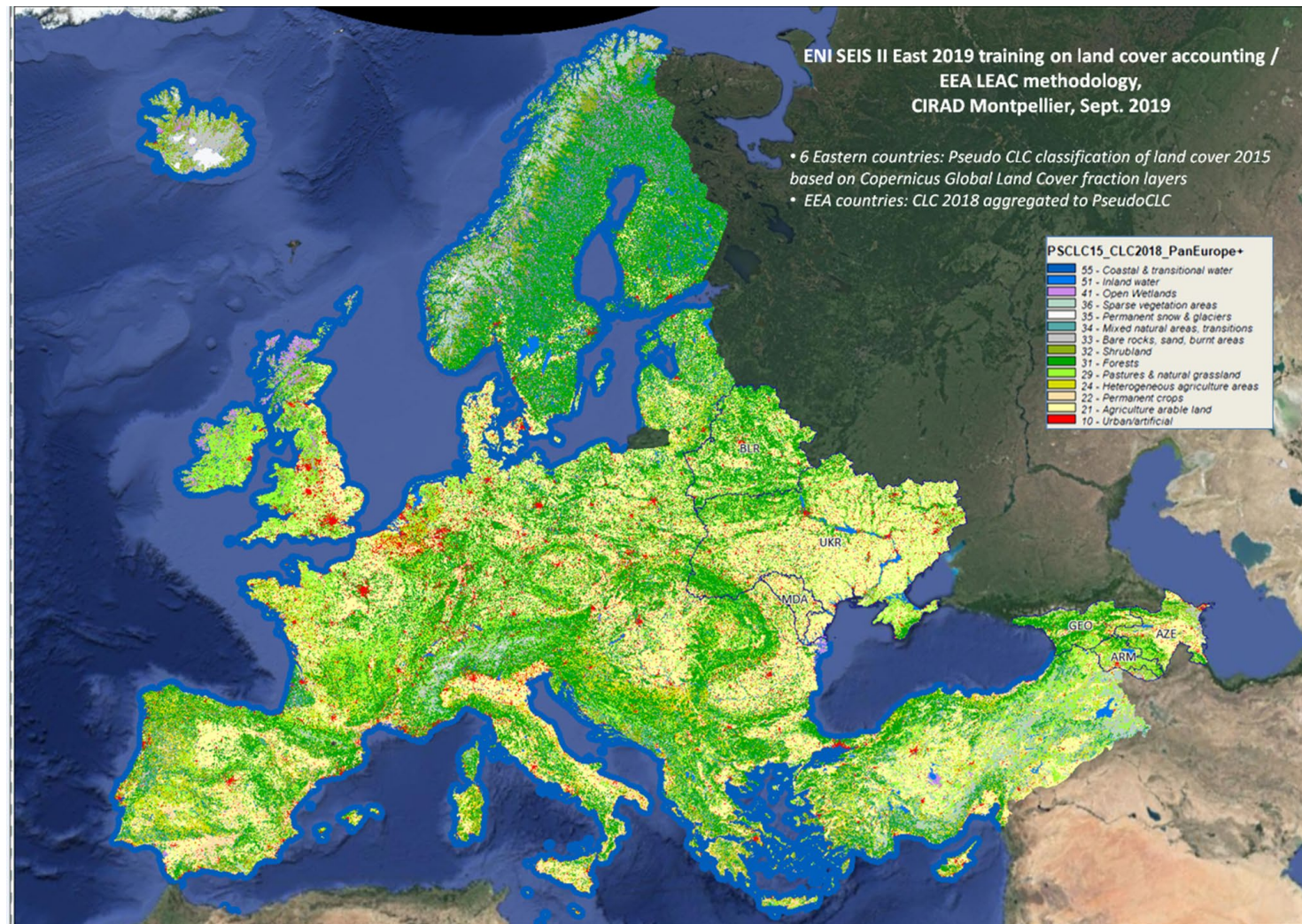
17 PARTNERSHIPS
FOR THE GOALS



Update of activities on environmental indicators at the EEA

Dr. Jana Tafi

16th Joint Task Force on Environmental Statistics and Indicators,
UNECE, Geneva, Switzerland,
28 - 29 October 2019



The European Environment Agency

The EEA is an EU agency that operates at the **interface of science and policy**.

The EEA provides **timely, reliable, targeted and relevant** information to support sustainable development.

The Eionet network comprises **1800 experts** from over **400 national institutions** in **39 countries**.



EEA indicators in the EU context

The [Environmental Indicator Catalogue](#) (Eurostat, EEA, JRC) provides an overview of all the environmental indicators produced for Europe - **219 indicators**

Main topic	Indicators
Climate change	40
Biodiversity - Ecosystems	24
Water and marine environment	15
Transport	13
Energy	9
Air pollution	6
Resource efficiency and waste	5
Land use	4
Industry	3
Sustainability transitions	2
Environment and health	1
Soil	1
TOTAL	123

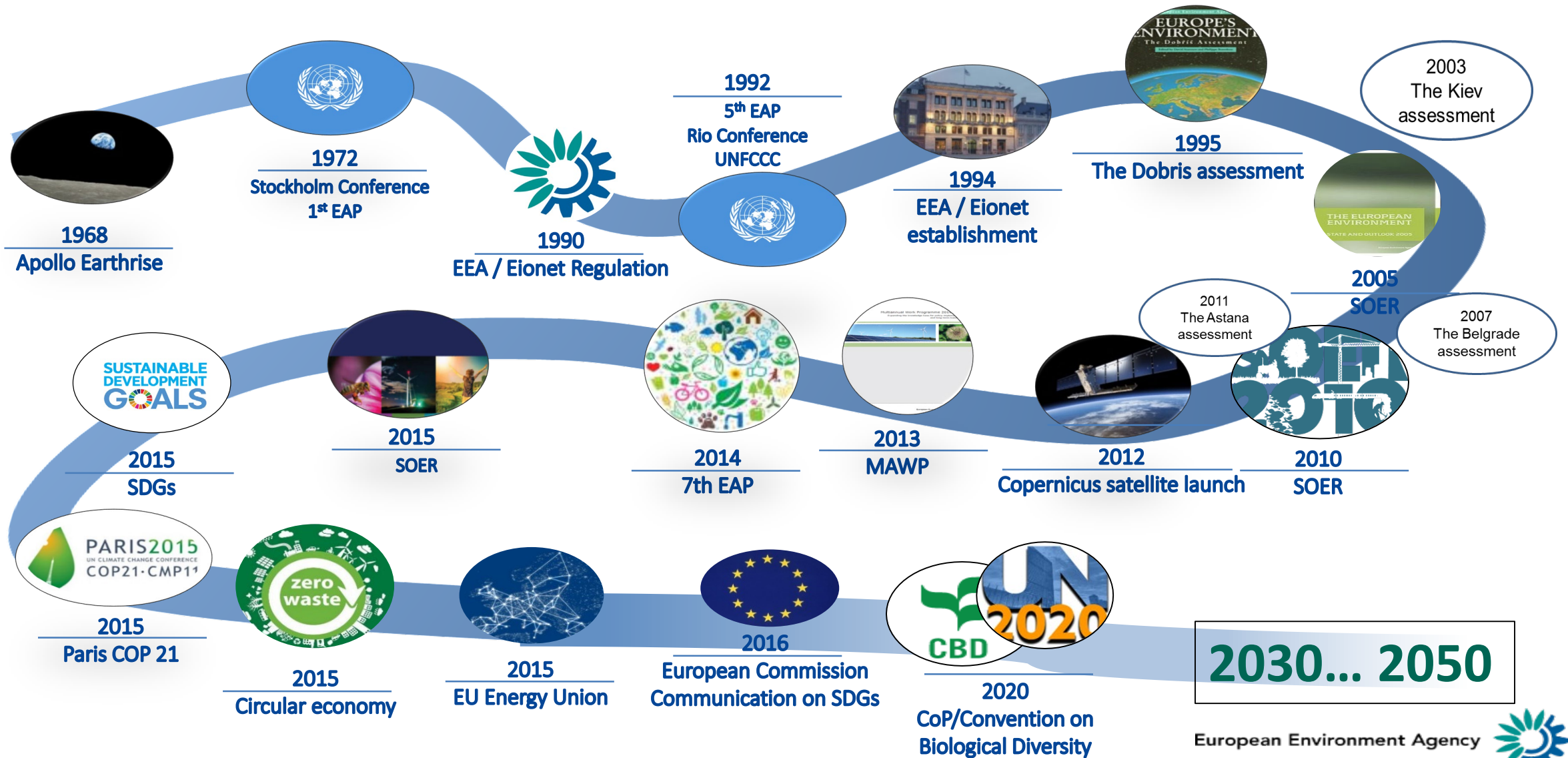
Set of 123 indicators, available at EEA website -

> [EEA indicators](#)

- Main focus: climate change (33%)
- Geo coverage: EU (66%), EEA (40%)
- Frequency: yearly (40%), 2-6 years (60%)
- Country benchmarking: 35%
- Presence of maps: 37%

In relation to D-P-S-I-R, EEA indicators are (79%) **Descriptive type**, **Pressure type** (28%) and **Impact type** (26%)

Five decades of focus on the environment and reporting



Political priorities in EU

A Union that strives for more

My agenda for Europe

By candidate for President of the European Commission

Ursula von der Leyen



**POLITICAL GUIDELINES FOR THE NEXT
EUROPEAN COMMISSION 2019-2024**

European Green Deal

Climate neutrality

Zero pollution

Farm to fork

Circular economy

Sustainable finance

Just transition

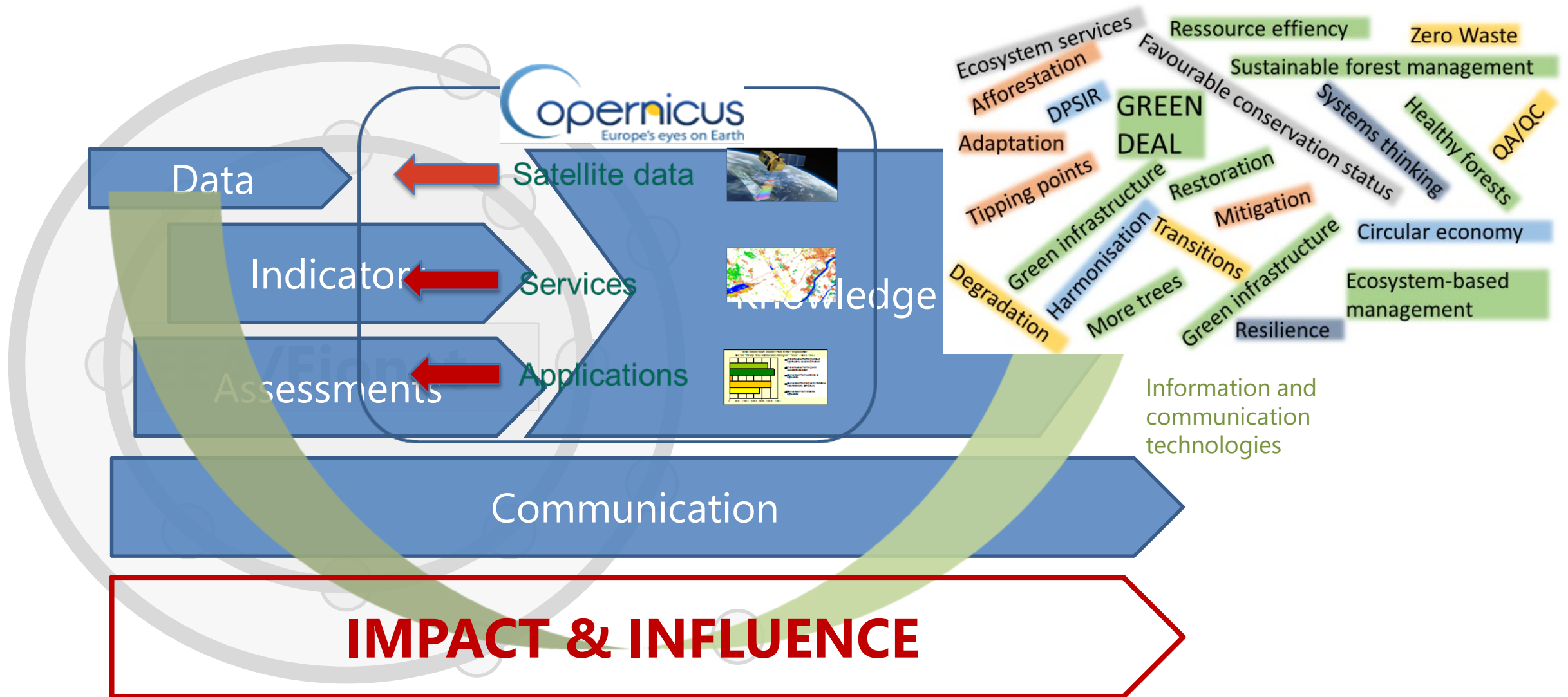


...

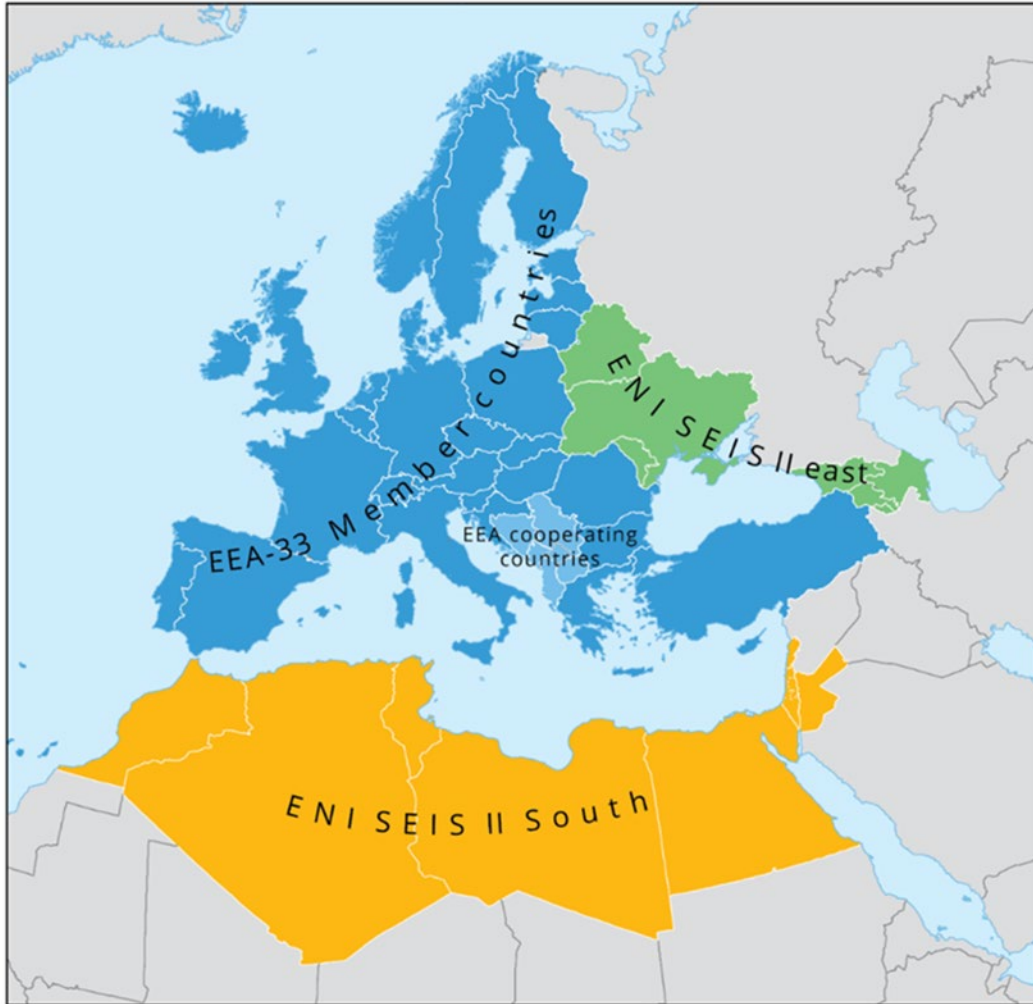
Europe must lead the transition to a healthy planet and a new digital world. But it can only do so by bringing people together and upgrading our unique social market economy to fit today's new ambitions.



EEA evolution MDIAKC approach in 2030...2050



The ENI SEIS II East project's expected results in 2020



1. Implementation of **regional/international commitments** related to environmental reporting;

Data and Indicators
standardisation and harmonisation

2. Improved capacities in the national administrations to **manage and use environmental information** to support decision-making;

Tools and Information systems

3. Regular "State of the Environment" reports and **indicator-based assessments** in line with EU and EEA methodologies

Integration and Key messages

Armenia - Azerbaijan - Belarus - Georgia - Moldova - Ukraine



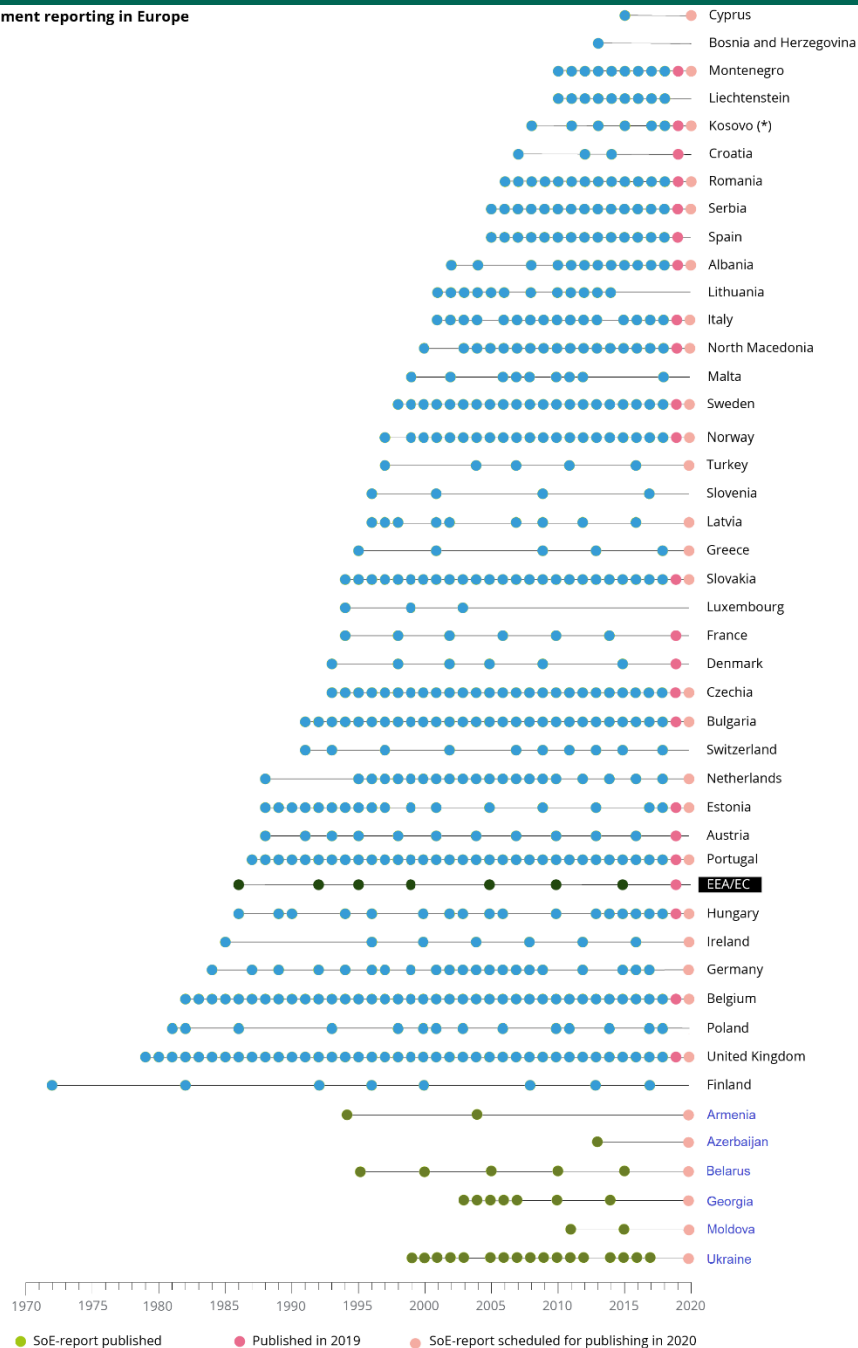
The project structure

UNECE Environmental Indicator	Armenia	Azerbaijan	Belarus	Georgia	Moldova	Ukraine
A. Air pollution and ozone depletion						
B. Climate change						
C. Water						
D. Biodiversity						
E. Land and soil						



Type of report	Armenia	Azerbaijan	Belarus	Georgia	Moldova	Ukraine
National environmental reports	Yes / Last 2007-2011	Yes / Last 2008-2012	Yes / Annual	Yes / Last 2010-2013	Yes / Last 2007-2010	Yes / Annual
Specialized reports - climate (national communications to UNFCCC)	Yes	Yes	Yes	Yes	Yes	Yes
Specialized reports - air	Yes	Yes	Yes	Yes	Yes	Yes
Specialized reports - water	No	Yes	Yes	Yes	Yes	Yes
Specialized reports - biodiversity	Yes	Yes	Yes	Yes	Yes	Yes
Specialized reports - waste	No	Yes	No	No	No	No
Indicator-based reports	Yes	Yes	Yes	No	Yes	No
National Statistical Yearbook on environment	Yes	Yes	Yes	Yes	Yes	Yes
National Statistical Yearbook	Yes	Yes	Yes	Yes	Yes	Yes
Report on sustainable development	Yes	Yes	Yes	Yes	No	Yes





National SoE reports in the EU and East



Water

Project outputs: guidance and technical assistance:

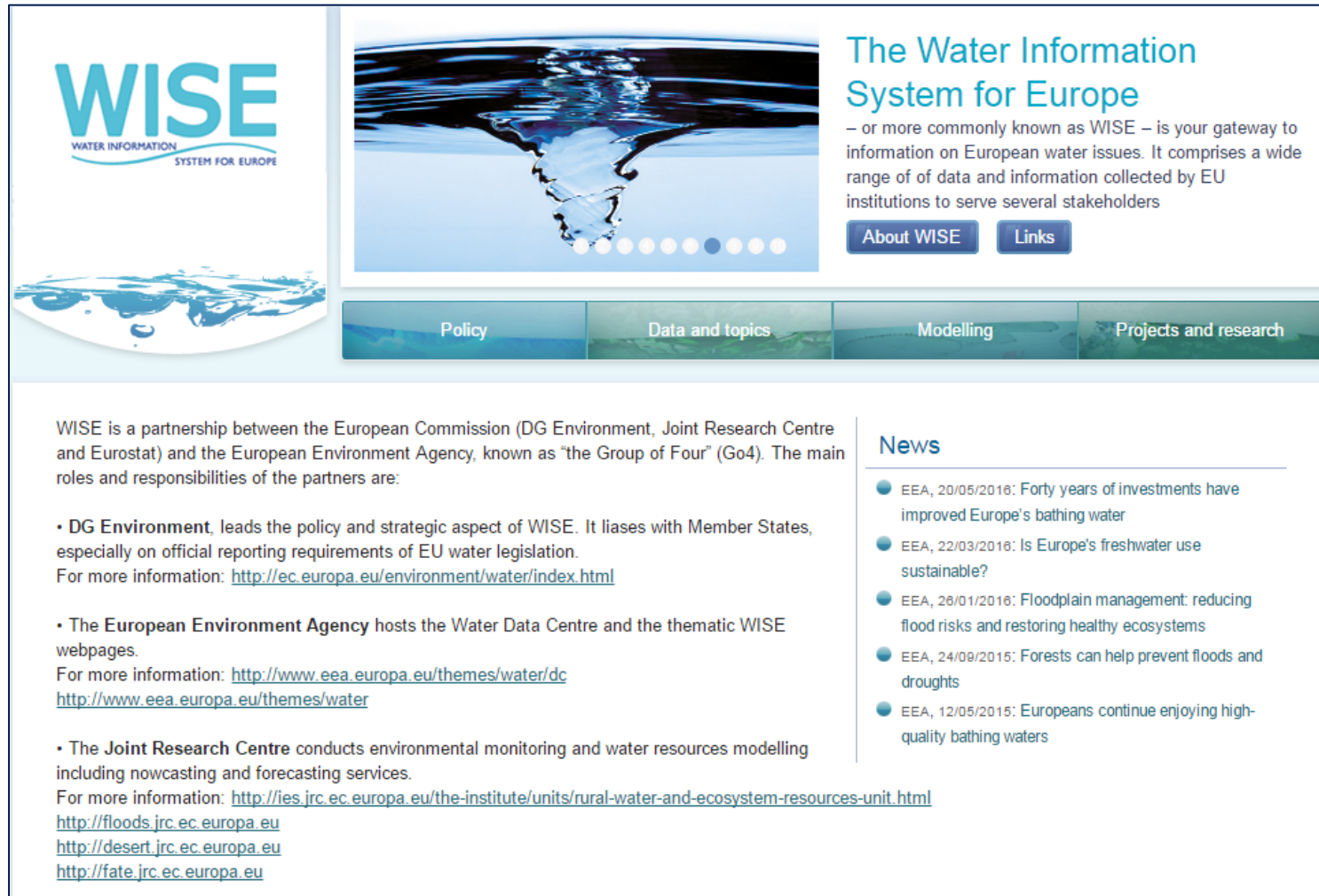
- Water Information Systems, incl. portals
- Water Convention

Indicator and indicator-based assessment

- **Regional state of water report**
- Water quantity/quality indicators (C1-C5; C10-C11)

Expert capacity building:

- Water quantity-50
- Water quality-34
- Water data management-19



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

About WISE Links

Policy Data and topics Modelling Projects and research

WISE is a partnership between the European Commission (DG Environment, Joint Research Centre and Eurostat) and the European Environment Agency, known as “the Group of Four” (Go4). The main roles and responsibilities of the partners are:

- **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/dc>
<http://www.eea.europa.eu/themes/water>
- **The Joint Research Centre** conducts environmental monitoring and water resources modelling including nowcasting and forecasting services.
For more information: <http://ies.jrc.ec.europa.eu/the-institute/units/rural-water-and-ecosystem-resources-unit.html>
<http://floods.jrc.ec.europa.eu>
<http://desert.jrc.ec.europa.eu>
<http://fate.jrc.ec.europa.eu>

News

- EEA, 20/05/2016: Forty years of investments have improved Europe's bathing water
- EEA, 22/03/2016: Is Europe's freshwater use sustainable?
- EEA, 26/01/2016: Floodplain management: reducing flood risks and restoring healthy ecosystems
- EEA, 24/09/2015: Forests can help prevent floods and droughts
- EEA, 12/05/2015: Europeans continue enjoying high-quality bathing waters



European Environment Agency
European Topic Centre on Inland,
Coastal and Marine Waters



25 1994-2019
European Environment Agency



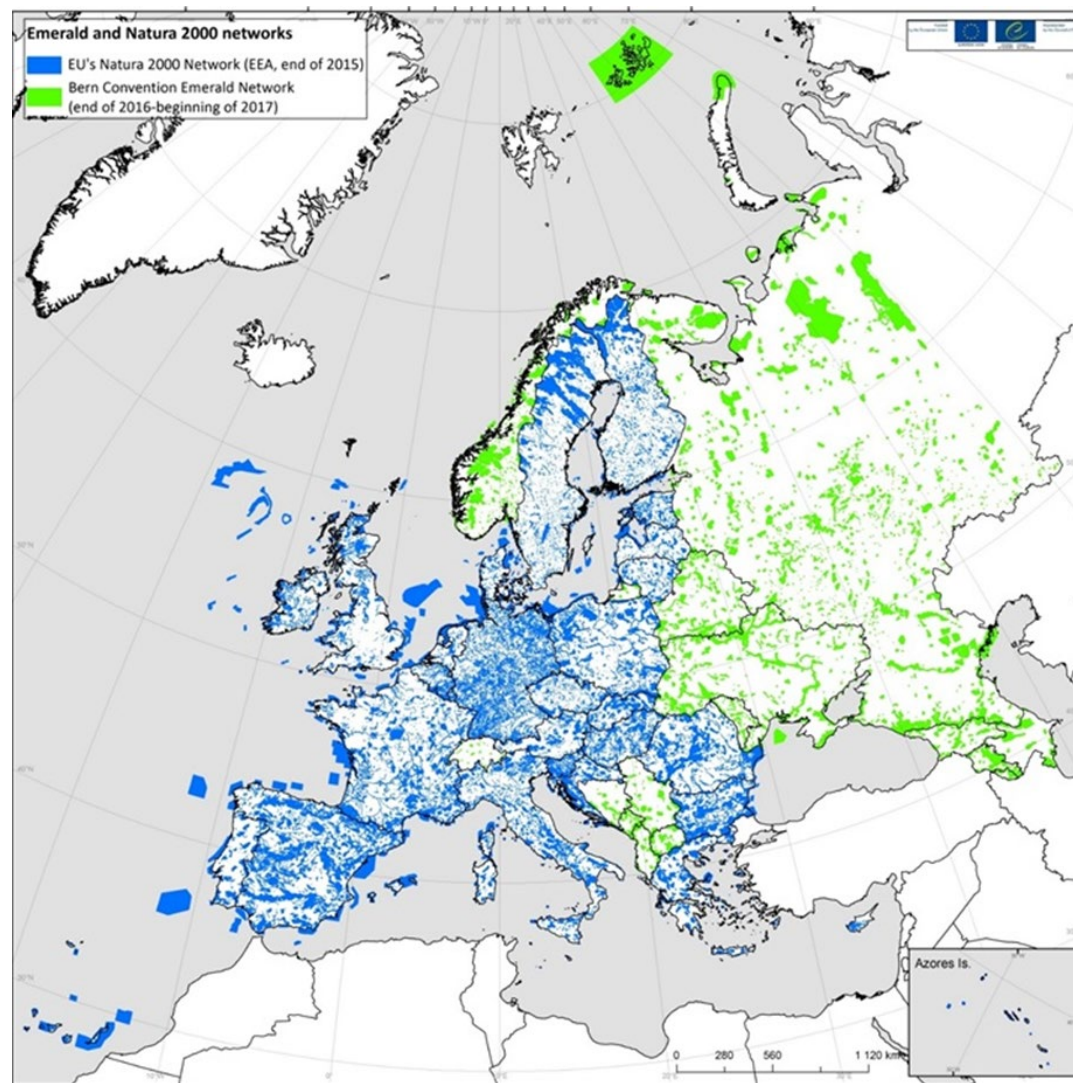
Biodiversity

Project outputs:

European Environment Agency
European Topic Centre on
Biological Diversity



1. Improved coverage of the **Emerald Network of protected sites** as response to the Aichi Strategic Goal C target 11 and SDG Goal 15
2. Improved capacity to **report data on species and habitats** (1st exercise of data reporting to Bern Convention in 2019) – 40 national experts
3. Production of regionally **comparable biodiversity indicators** in accordance to EEA and UNECE.



Air quality

Project output:

**Increase the use
and public
accessibility of air
quality
measurement data
in the countries**

Based on five key pollutants:

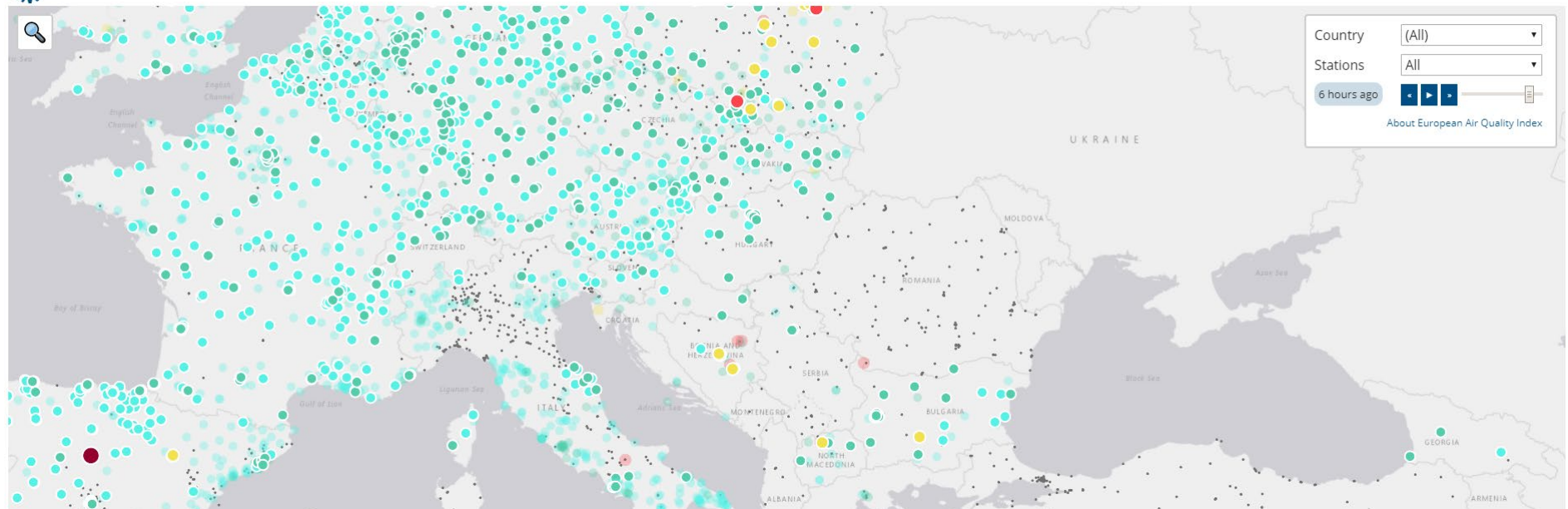
- particulate matter (PM2.5 and PM10)
- ground-level ozone (O3)
- nitrogen dioxide (NO2) and
- sulphur dioxide (SO2)

European Environment Agency
European Topic Centre on
Air pollution, Transport, Noise and
Industrial Pollution



 European Air Quality Index

2019-09-23 09:00 UTC+2



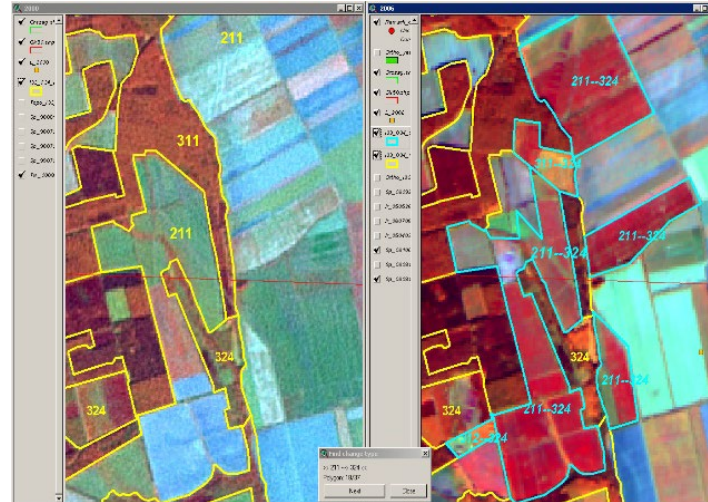
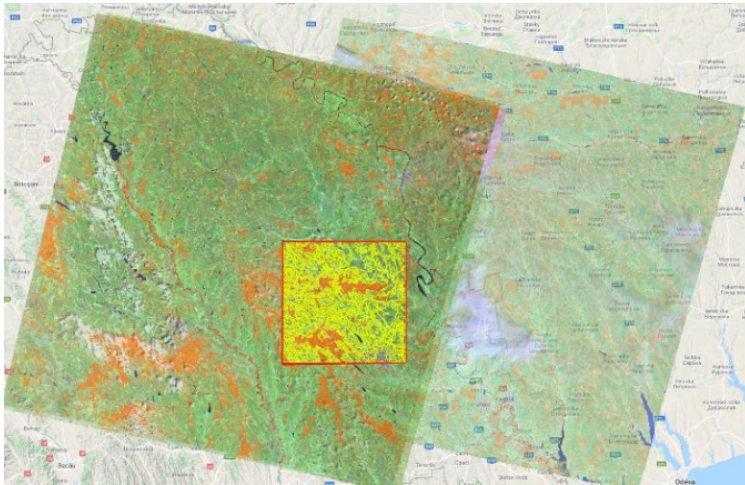
Corine land cover

Project outputs:

- Country visits with CLC trainings
- Technical support national pilots



European Topic Centre
on Urban, Land and
Soil Systems



Open Data and E-Government for Environment

Project output:
raise awareness on the
benefits of sharing
environmental
information:

Regional meetings:
March 2019 & October 2019

6 National roundtables
(May-September 2019)

EU EIS project: Promote best practices for European and national Environmental Information Systems (EU countries)
(Action 5): <http://www.eis-data.eu/>

<https://www.europeandataportal.eu>: [Open Data best practices in Europe's Top Three Performers](#) (*Ireland, Spain and France*)

ENI SEIS II East project: [\(Draft\) Good practices on Open data and e-government for fostering environmental information sharing and dissemination](#) (ENI countries)

[\(Draft\) Country Maturity Reports on dissemination of environmental Information](#) (ENI countries)



Together with the UNECE Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters (**Aarhus Convention**)



Integrated Environmental Assessments & EEAcademy ENI Summer Schools 2018/2019

At the regional level, a new training programme designed, developed and offered by the EEAcademy



28-30 August 2018,
Copenhagen, EEA

27-29 August 2019,
Copenhagen, EEA



EEAcademy
European Environment Agency

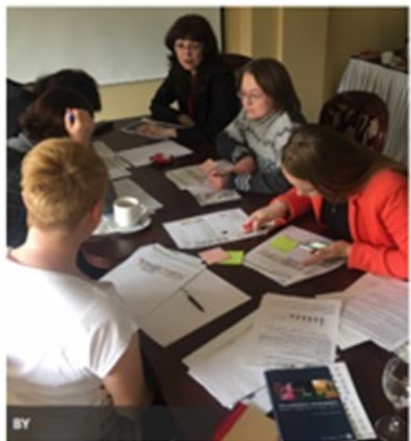


*2019 ENI SS
focus on SOER &
SDGs reporting
to:*

- measure
transition to SD*
- develop tools
and methods*
- construct new
indicators*
- use
COPERNICUS*
- integrate
emerging issues-
plastic*



Data, indicators, reports on state of environment by the EEA and Slovak Environment Agency/Eionet, 2017-2020



Methodological guidance on State of Environment Report

COUNTRY briefing on State of the environment report (6)

Road map on State of Environment Report development (6 countries)

[Template of environmental indicator;](#)
[Template of the SOER](#)



Drafts of 3 Environmental Indicators (6 countries)
SOER 2020 (structure, process, drafts)

Regional workshops (in 2017& 2019, 36 experts)

2018/2019 SOER trainings with hands-on data (in 6 countries-179 experts)

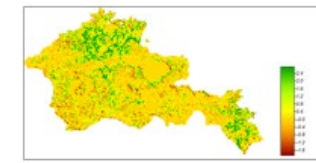


Vocational trainings on Environmental accounting at CIRAD, France/Eionet, 2017/2019

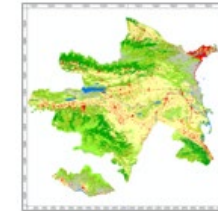


18 experts from environmental and statistical authorities from the 6 eastern countries trained on SEEA land with national data sets from Copernicus,...

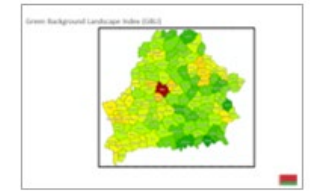
Production land cover and land cover change accounts, 2015 -2000, EEA LEAC/ SEEA approach



Green Background Landscape Index (GBLI) 2015 Armenia



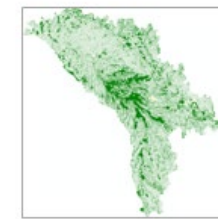
PS-CLC Land cover 2015 Azerbaijan



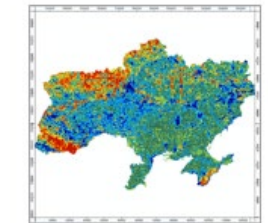
GBLI 2015 by districts, Belarus



Change 2000-2015 of GBU, Georgia



GBU 2000, Moldova



GBLI 2015, Ukraine

Analysis of stress factors that caused of urban sprawl (SDG Indicator 11.3.1), agriculture extension (SDG Indicator 2.4.1.), deforestation (SDG Indicator 15.1.1., SDG Indicator 15.1.2.) and land uptake and production of various thematic maps derived from land cover accounts.



Communication and visibility of results

ENI SEIS II East



This project is funded by the European Union

European Environment Agency



Issue 2019/6, Summer 2019

Implementation of the Shared Environmental Information System (SEIS) principles and practices in the ENP East region to Eastern Partnership Countries

Regional View | Country Perspectives | Upcoming Events



Regional View

Renewed commitment to share environmental information across pan-European region

Geneva, 30 January 2019

The executive heads of the United Nations Economic Commission for Europe, the European Office of the United Nations Environment Programme and the European Environment Agency met to discuss opportunities in environmental monitoring, reporting, assessment and strengthening networks.

[Read more](#)



© UNECE



THANK YOU!

Jana.Tafi@eea.europa.eu

Subscribe to our project newsletter:
<https://eni-seis.eionet.europa.eu/east>