



This project is funded
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European
Environment
Agency

ENI SEIS II EAST Project

National roundtable on Open Data and e-Government for the environment
Minsk, Republic of Belarus, 24 June 2019

The European Environment Agency & cooperation with the Eastern partners – environmental data beyond the EU borders

Galina H. Georgieva
Head of Group – Networks and Partnerships



The European Environment Agency

Coordinate the

European Environment Information and Observation Network (Eionet)

INSTITUTIONAL COOPERATION

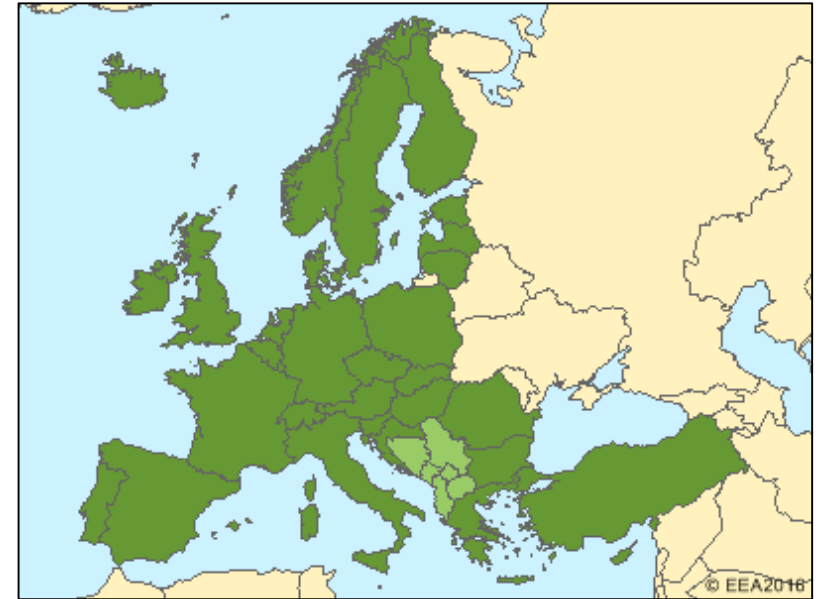
(approx. 350 national bodies)

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



ENI SEIS II East project's expected results

Armenia - Azerbaijan - Belarus - Georgia - Moldova - Ukraine



EEA and ENI SEIS II East project coverage

- EEA member countries
- EEA cooperating countries
- ENI SEIS II East

The map does not imply any opinion from EEA concerning the legal status of any country or territory, its area of authority or the delimitation of its frontiers and boundaries.

* Collaboration is temporally suspended

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

Data harmonisation / comparability

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

Tools / information systems / indicators

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

Integration, key messages



“State of the Environment online” - traceability of data

1) STORY / ASSESSMENT

Green economy

Briefing Published 18 Feb 2015 Last modified 05 Mar 2015, 11:54 AM

Topics: Green economy



THE EUROPEAN ENVIRONMENT STATE AND OUTLOOK 2015

SOER 2015

Synthesis report

Global megatrends

European briefings

- Agriculture
- Air pollution
- Biodiversity
- Climate change impacts and adaptation
- Consumption
- Energy
- Forests
- Freshwater quality
- Green economy
- Health and environment
- Hydrological systems and sustainable water management

Europe's resource efficiency has improved in recent years but this has not always translated into improved ecosystem resilience or reduced risks to health and well-being. Creating a green economy will require fundamental changes in the production-consumption systems that meet basic demands, such as for food, mobility, energy and housing. This will depend on better implementation and integration of environmental and economic policies, a broader knowledge base for long-term transitions, and use of finance and fiscal policies to support major investments in innovation and infrastructure.

3) INDICATOR MANAGEMENT SYSTEM

Energy Intensity (CSI 028/ENER 017) - Assessment published Nov 2014

Indicator assessment created 08 Oct 2014. Published 24 Nov 2014. Last modified 24 Nov 2014, 09:39:04

This is the latest published version. See older versions.

Topic: Energy

Generic metadata

Topic: Energy (Primary topic)

Tags: enei | energy | soer2015 | european | soer2015

EPISIR: Response

Typology: Performance indicator (Type B - Data is mixed)

Indicator codes: CSI 028, ENER 017

Temporal coverage: 1990-2012

Geographic coverage: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

CONTENTS

- Key policy question: Has there been an absolute decoupling in Europe between economic growth and energy consumption?
- Data sources
- Justification for indicator selection
- More information about this indicator
- Contacts and ownership
- Related content

[Switch to full indicator view](#)

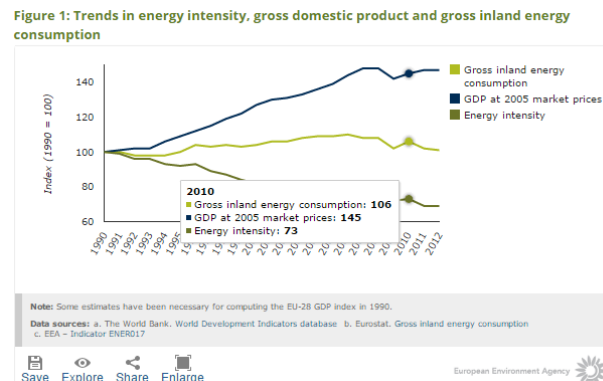
Key policy question: Has there been an absolute decoupling in Europe between economic growth and energy consumption?

Key messages

Between 1990 and 2012, energy intensity (the ratio of gross inland energy consumption and GDP) in the EU28 decreased by 1.7% per year. In 2012, the energy intensity in the EU28 was 37% below the 1990 level.

During this period, the rate of decrease of energy intensity in the EU28 has been rather constant. The period 1990-2005 is characterised by a relatively high economic growth and a more modest growth of gross inland energy consumption. The period 2005-2012 is characterised by a much smaller economic growth and decreasing gross inland energy consumption. The respective rate of decrease of energy intensity is rather similar in

2) INTERACTIVE GRAPHS



4) OPEN ACCESS TO DATA

Country	1990	2000	2005	2010	2012	Annual average change 1990-2012	Annual average change 2005-2012	Relative energy intensity in 2012	Per capita energy intensity
EEA	100	83	80	75	71	-1.6	-1.7	100	3.1
EU28	100	82	79	73	69	-1.7	-1.9	100	3.3
Austria	100	89	97	91	86	-0.7	-1.7	92	4
Belgium	100	81	75	73	66	-1.9	-1.7	129	5.1
Bulgaria	100	76	62	49	49	-3.2	-3.3	109	2.5
Croatia	100	83	76	71	69	-1.7	-1.4	94	1.9
Cyprus	100	100	80	86	81	-1	-1.6	96	2.9
Czechia	100	78	70	61	58	-2.4	-2.7	105	4.1
Denmark	100	85	79	82	73	-1.4	-1.1	79	3.3
Estonia	100	35	28	30	26	-5.9	-6.6	106	4.9
Finland	100	82	86	89	79	-1.1	-1.2	167	6.3
France	100	83	82	86	82	-0.8	-1.7	111	4
Germany	100	79	77	70	65	-2	-2.4	96	3.9
Greece	100	85	94	101	108	0.4	-	99	2.5
Hungary	100	85	76	72	66	-1.9	-2.1	119	3.4
Ireland	100	68	56	56	51	-3.1	-1.6	79	3
Italy	100	87	89	94	89	-0.5	-1.5	82	2.7
Latvia	100	70	56	60	52	-2.9	-1.1	108	2.2
Lithuania	100	61	52	38	36	-4.5	-4.9	102	2.4
Luxembourg	100	83	70	63	59	-2.3	-2.4	96	6.5
Malta	100	82	93	81	70	-1.6	-4	79	2
Netherlands	100	83	84	83	79	-1.1	-0.9	115	4.9
Poland	100	59	53	46	42	-3.9	-3.3	117	2.5
Portugal	100	104	108	93	89	-0.5	-2.7	84	2.1
Romania	100	31	25	20	19	-7.2	-3.6	102	1.8
Slovakia	100	73	59	44	40	-4.1	-5.6	125	3.1
Slovenia	100	81	87	78	77	-1.2	-1.6	126	3.4
Spain	100	102	101	87	87	-0.6	-2.1	87	2.7
Sweden	100	84	77	70	66	-2	-1.8	124	5.3
United Kingdom	100	81	71	63	60	-2.3	-2.5	87	3.2
Turkey	100	101	90	96	97	-0.1	1.1	90	1.6
Iceland	100	116	105	109	102	-2.2	6.4	403	19.3
Norway	100	86	79	93	81	-0.9	0.4	93	6.1

EEA cooperation with the Republic of Belarus

ENI SEIS II East

Implementation of the [Shared Environmental Information System \(SEIS\)](#) principles and practices in the [ENP East region](#)

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[UNECE ENVIRONMENTAL INDICATORS](#)

[ENVIRONMENTAL ASSESSMENT REPORTS](#)

National Focal Points:

Elena Kaminskaya, [Ministry of Natural Resources and Environmental Protection of the Republic of Belarus](#)

Ekaterina Poleshchuk, [National Statistical Committee of the Republic of Belarus](#)



Elena Kaminskaya and Ekaterina Poleshchuk

Links:

[ENI SEIS II Project in Belarus](#) | [Belarus and the EU](#) | [Delegation of the European Union to Belarus](#)
| [Environmental web portals: Belarusian Research Center](#) | [National Water Information System](#)

UNECE Environmental Indicator	Belarus
A. Air pollution and ozone depletion	
B. Climate change	
C. Water	
D. Biodiversity	
E. Land and soil	
F. Agriculture	
G. Energy	
H. Transport	
I. Waste	
J. Environmental financing	
Total	



The European Environment Agency – 25 years in perspective

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

<https://www.facebook.com/European.Environment.Agency>

 **European Environment Agency**
23 hrs · 🌐

What will Europe's environment look like in 25 years? Will we achieve our common vision of 'living well, within the limits of our planet'? On our 25th anniversary, we are reflecting on how Europe's environmental knowledge and policy have developed in the last 25 years and how we can support efforts towards sustainability in the next 25 years.



EEA.EUROPA.EU
EEA turns 25: Building on experience to achieve sustainability in Europe

facebook



European Environment Agency
@European.Environment.Agency

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The EU policy context for the action on Open Data

[European Commission Digital \(Data\) Strategy](#)

[Public access to Environmental Information DIR 2003/4/EC](#)

and
[Aarhus Convention](#) (international)

[Infrastructure for Spatial Information in the European Community \(INSPIRE\) DIR 2007/2/EC](#)

[Re-use of public sector information \(PSI\) DIR 2003/98/EC](#)

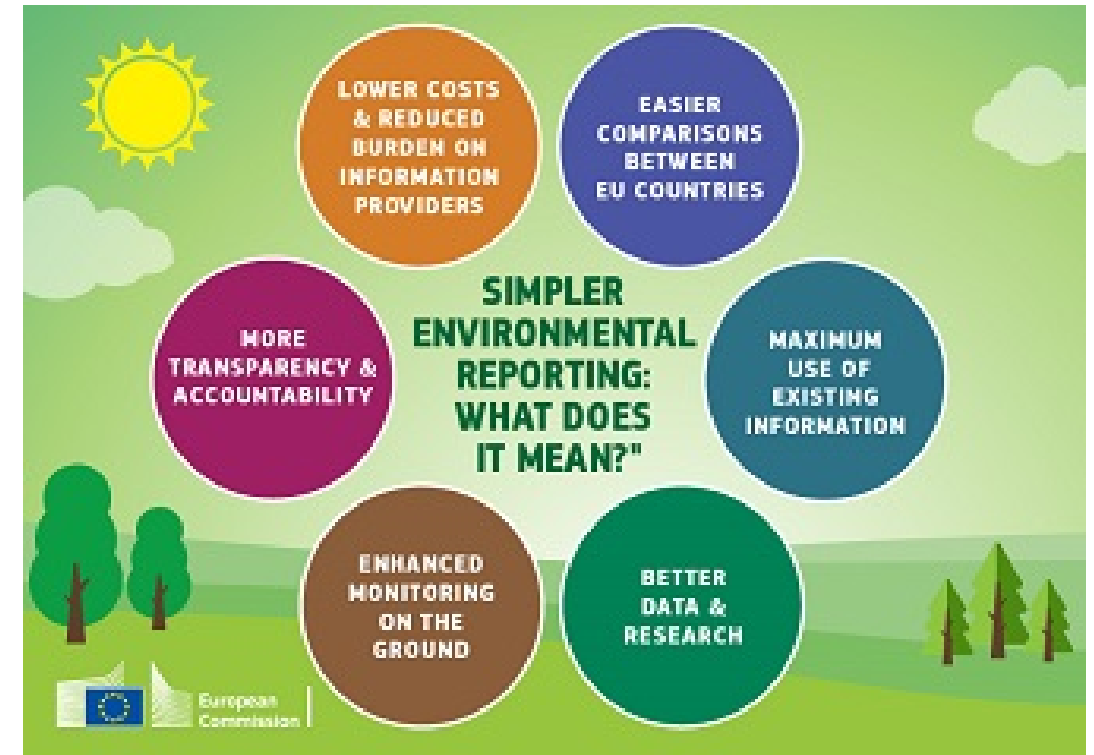
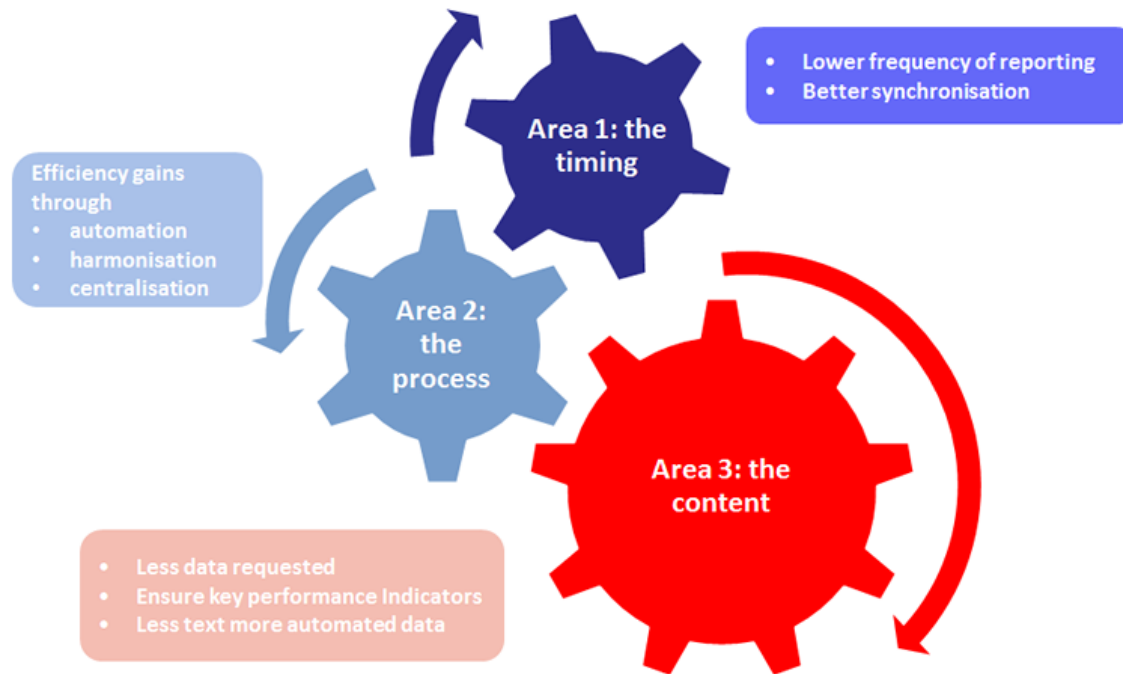
<https://www.europeandataportal.eu/>

The screenshot shows the European Data Portal website. At the top, there is a navigation bar with the logo, 'EUROPEAN DATA PORTAL', and links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and a language dropdown set to English (en). A search bar is also present. Below the navigation bar, there is a main menu with 'What we do', 'Data', 'Providing Data', 'Using Data', and 'Resources'. The central area features a 'Search Datasets' section with a search input field and a 'Search Q' button, and a 'SPARQL Search' button below it. To the right of the search section is a map of Europe with various national flags. Below the search section, there is a 'Browse Datasets by Categories' section with icons and labels for: Agriculture, Fisheries, Forestry & Foods; Energy; Regions & Cities; Transport; Economy & Finance; International Issues; Government & Public Sector; Justice, Legal System & Public Safety; Environment; Education, Culture & Sport; Health; Population & Society; Science & Technology; Catalogues; and All data. On the right side, there is a 'Latest News' section with three news items: 'Reminder: Join the EDP's B2G Data Sharing Webinar' (20/05/2019), 'Find your way with Waze: a navigation app' (17/05/2019), and 'Introducing the EDP's B2G Data Sharing webinar's speakers' (16/05/2019). There is also a link to 'Eindhoven's Smart Society Programme' (14/05/2019) and an RSS feed icon.



Fitness Check on Environmental Reporting and Monitoring

- [Fitness Check on Reporting and Monitoring of EU Environment Policy \(2017\)](#)
- [10 Actions to Streamline Environmental Reporting](#)



Source: http://ec.europa.eu/environment/legal/reporting/fc_overview_en.htm

Actions to Streamline Reporting

Action	EEA involvement
1 Amend legislation	-
2 Change reporting obligations	Support through rolling work programme
3 Modernise e-Reporting	Core of Reportnet 3.0 project
4 Develop test tools for harvesting	Share of experiences
5 Guidance for national information systems	Steering Committee DG ENV project
6 Promote INSPIRE	Through INSPIRE IG and Reportnet 3.0
7 Better use of Copernicus data	Share of experiences
8 Promote citizen science data	Support on guidelines
9 Cooperate with other thematic areas	Linked to Reportnet 3.0 project
10 Wider international streamlining	Trilateral UNECE-UNEP-EEA

Source: SWD(2017)230

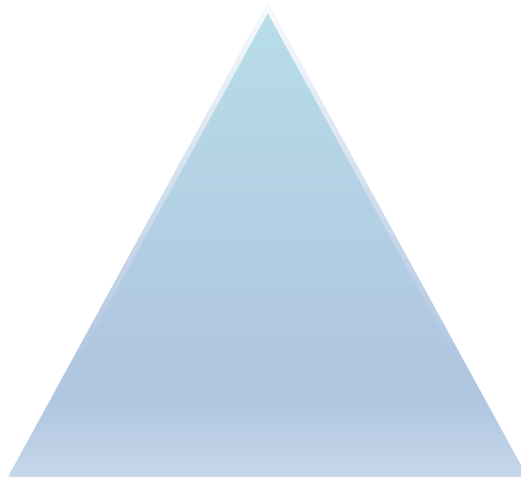
http://ec.europa.eu/environment/legal/reporting/pdf/action_plan_env_issues.pdf



Open data on environment – going beyond EU

EU: [Fitness Check on Reporting and Monitoring](#)

ENI East: [Open Data and e-Government for Environment](#)



EU: [Open Data Maturity in Europe](#)

ENI East: [Country Maturity Report on dissemination of environmental Information](#)

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

ENI East: Open data and e-government good practices for fostering environmental information sharing and dissemination: SEIS II East project



A new EU strategic agenda 2019-2024



European Council

A NEW STRATEGIC AGENDA

2019 – 2024



20-21 June 2019

European Council: adoption of the Strategic Agenda 2019-2024 and high-level appointments

Source:

<https://www.consilium.europa.eu/media/39914/a-new-strategic-agenda-2019-2024.pdf>



A new EU strategic agenda 2019-2024

Developing our economic base: the European model for the future

A strong economic base is of key importance for Europe's prosperity and competitiveness, and for its role on the global stage. This should be achieved through an integrated approach addressing the current and emerging global, technological, security and sustainability challenges, and connecting all relevant policies and dimensions.

Mobilising all relevant policies

- deepen and strengthen the single market
- develop an industrial strategy
- ensure fair and effective taxation
- deepen EMU

Promoting a level-playing field

- ensure fair competition
- fight unfair practices and security risks
- secure our strategic supply chains

Investing in our future

- invest in people's skills and education
- promote innovation and research
- encourage and support public and private investment, including in infrastructure
- promote sustainable agriculture

Embracing the digital transition

- develop artificial intelligence
- promote access, sharing and use of data
- ensure connectivity



The way forward ...

The Open Data component under the ENI SEIS II East project aims at:

- **Sustainability of the invested efforts** – building on results from the project thematic activities and bringing together relevant information in support of regular environmental assessments
- **Ownership by the partner countries** in advancing the open data initiatives at national and regional level
- **Close connection with the Aarhus Convention** activities to increase the environmental information availability and multiple use, in line with SEIS principles
- Events:
 - [23rd Meeting of the Working Group of the Parties to the Aarhus Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters, 26-28 June 2019, Geneva](#)
 - [6th Meeting of the Task Force on Access to Information under the Aarhus Convention, 2-4 October 2019, potentially back-to-back with the 2nd regional workshop on Open Data and e-Government for the Environment](#)

THANK YOU!



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 33 member countries, the EEA gathers data and produces assessments on a wide range of topics related to the environment. Learn more

 Air and climate <ul style="list-style-type: none">Air pollutionClimate change adaptationClimate change mitigation	 Nature <ul style="list-style-type: none">Biodiversity — EcosystemsLand useSoilWater and marine environment	 Sustainability and well-being <ul style="list-style-type: none">Environment and healthPolicy instrumentsResource efficiency and wasteSustainability transitions	 Economic sectors <ul style="list-style-type: none">AgricultureEnergyIndustryTransport
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What's new

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Filtered by All topics



European Environment Agency marks its 25th anniversary by reflecting on future challenges at high-level seminar

News 19 Jun 2019

The European Environment Agency (EEA) is marking its 25th anniversary today with a special meeting involving senior

officials and experts from the EEA's 39 member and cooperating countries, the European Commission, and the European Parliament. The participants will contribute to a new, 10-year strategy to steer the future work of the Agency and its network in providing sound, independent and reliable environmental information amid growing demand across Europe for more action on the environment.

Read more

Featured article



EEA turns 25: Experience to a sustainability in

What will Europe's environment look like in 2040? Will we achieve our common vision of a clean, green and resilient Europe within the limits of our planet? Will we limit global warming and build ...

Read more

In the spotlight



Environmental report 2018

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

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


European Environment Agency

This project is funded by the European Union

ENI SEIS II East

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

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IMPLEMENTATION OF THE PRINCIPLES AND PRACTICES OF THE SHARED ENVIRONMENTAL INFORMATION SYSTEM (SEIS)

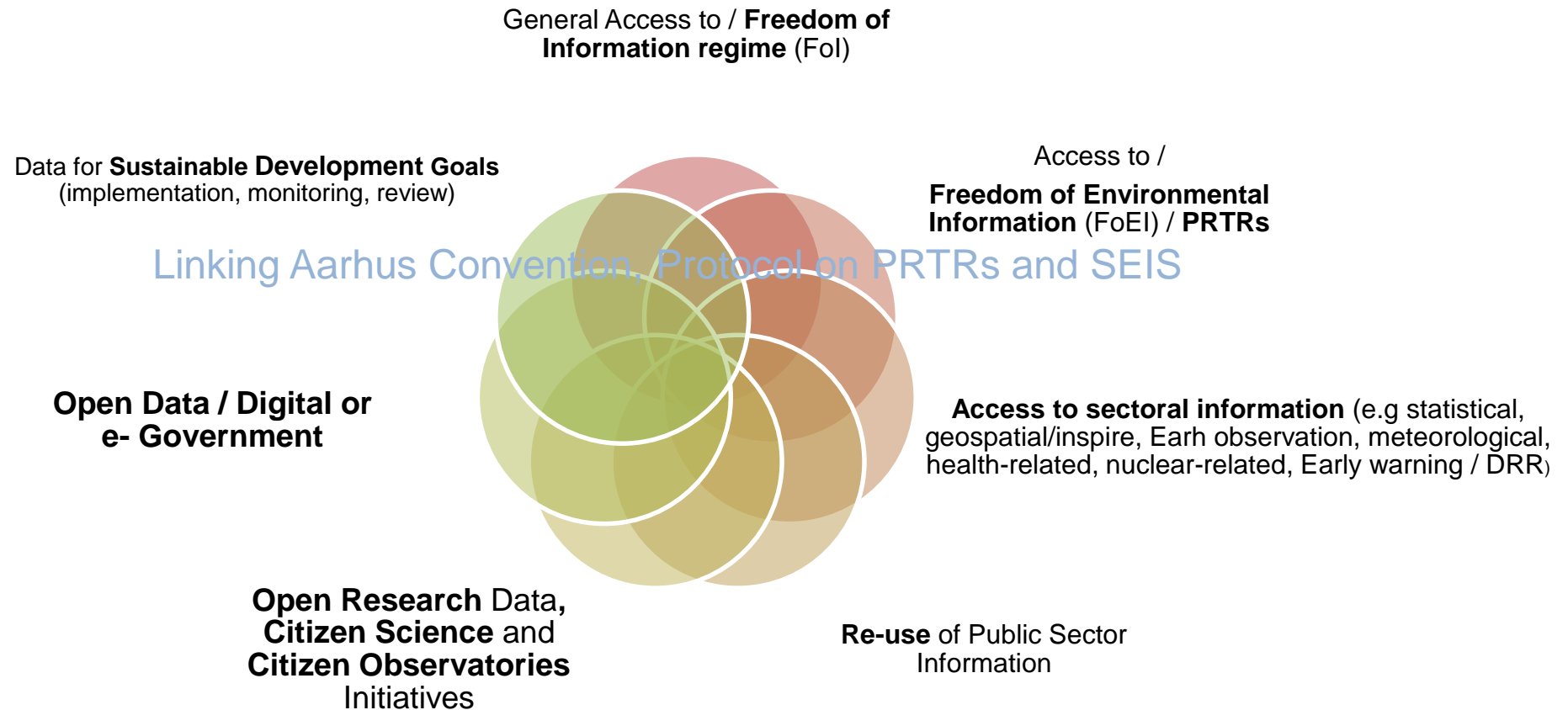
in the Eastern Partnership countries funded by the European neighbourhood instrument (ENI) and implemented by the European Environment Agency.

Disclaimer: This cartographic representation is unofficial and for information purposes only.

AREAS OF WORK

- Work Plans
- Data
- Data Management and Infrastructure
- Indicators and Assessments
- Communication and Visibility

Aarhus Convention and Protocol on PRTRs: potential for promoting integration at the national level



Linking Aarhus Convention, Protocol on PRTRs and SEIS

Protocol on PRTRs

- Adopted in 2003 and entered into force in 2009
- Establishing publicly accessible pollutant release and transfer registers for at least 65 activities and 86 substances
- Support the development of information system
- Legally binding
- 36 Parties

Aarhus Convention

- Adopted in 1998 and entered into force 2001
- Focus on **public access to environmental information**, public participation and access to justice
- Legally binding
- 47 Parties

SEIS in the pan-European Region

- 2011 Astana and 2016 Batumi EUE Ministerial Conferences
- Focus on Regular Assessment
- 49 ECE Environmental Indicators
- Support the development of information system
- ECE Member States



Aarhus Convention: Information Pillar

PUBLIC AUTHORITY'S DUTY TO POSSESS, UPDATE AND ENSURE EFFECTIVE PUBLIC ACCESS TO RELEVANT INFORMATION (art 5)

ELECTRONIC INFORMATION TOOLS

Upon request (art. 4)

- No interest to be stated
- As a general rule, in the form requested, including copies of the actual documentation
- Within one month
- Free of charge or at reasonable charges
- Public interest in disclosure to be taken into account for sensitive information
- Restrictive interpretation of exceptions

Through Dissemination (Art.5)

- Identify points of contacts, basic terms and conditions, access process and ways to support public
- Make progressively available in the electronic form through the Internet (portals, databases, lists, registers, files, SoE reports, etc.)
- Disseminate immediate and without delay dissemination in case of threat to human health or the environment

Within the public participation procedure (Art. 5 (7), Art. 6 (2) & (6), 7, 8)

- Provide access to all relevant information (notifications, drafts, comments and final documents)
- Timely
- Effective
- As soon as information becomes available
- Free of charge

Relevant to access to justice (art. 9)

- Provide access to
- Information on access to administrative and judicial review procedures
- Decisions of courts and other review bodies
- Information on compliance with environmental law

REVIEW PROCEDURES (art. 4 (7) and 9)



Recommendations on Electronic Information Tools

Priority Categories of Information for disclosure through the Internet



Statistical



Geospatial



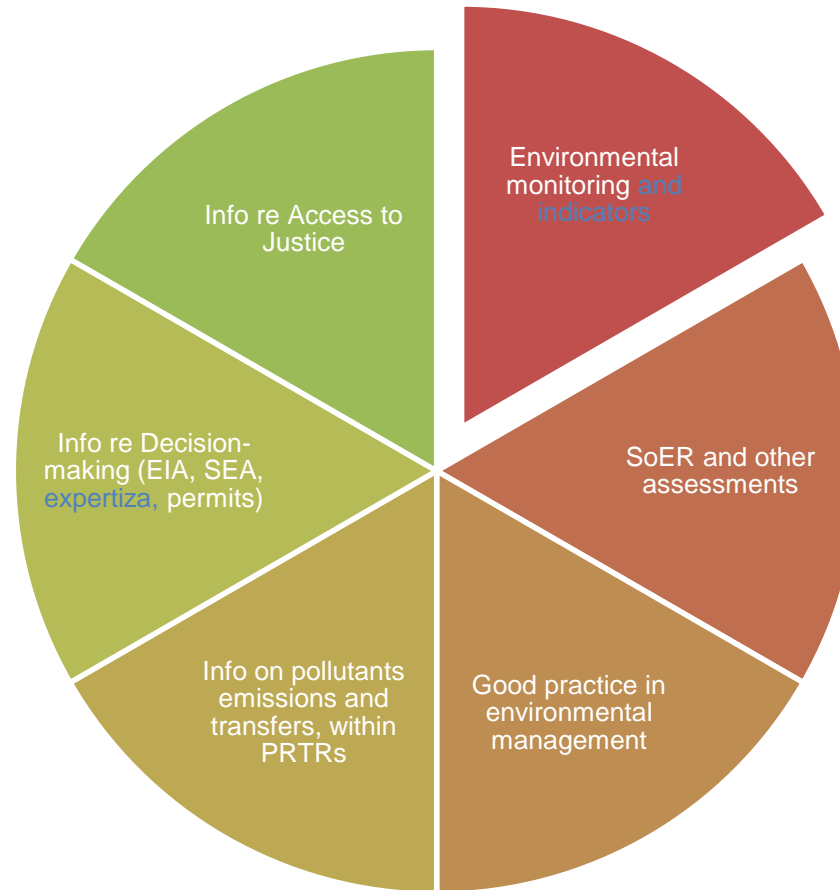
Health



Earth Observation



E-Government /
Open Data



Metadata

Machine readable format

Spatial attributes

Interoperability / APIs

Quality and Comparability

User engagement and
Discoverability

Copyright licence

Scoping Environmental Information System(s)



Aarhus [Decision VI/1](#): improving data sharing, dissemination and re-use

- E-government initiatives encompassing activities of the public authorities to deploy information and communication technologies for **improving knowledge and information in the service of the public**
- Open government data initiatives encompassing activities to make information or data produced or commissioned by governments available for **everyone to access, reuse and redistribute without any restrictions**
- Shared Environmental Information System (SEIS) in the pan-European region launched at the EfE Ministerial Conference in 2011
- Establishment of **single web access points**, conceived to be user-friendly, that aggregate data and information resulting from different reliable sources
- Promote **public accessibility** to real-time, as appropriate, up-to-date, accurate and functional environmental information in forms and formats meeting the needs of different users
- **Address gaps in access** – information on the quality of the environment and emissions into the environment in accordance with the Convention, hazardous substances and wastes, environment-related product information and decision-making in environmental matters

