This project is funded by the European Union

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

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The European Environment Agency

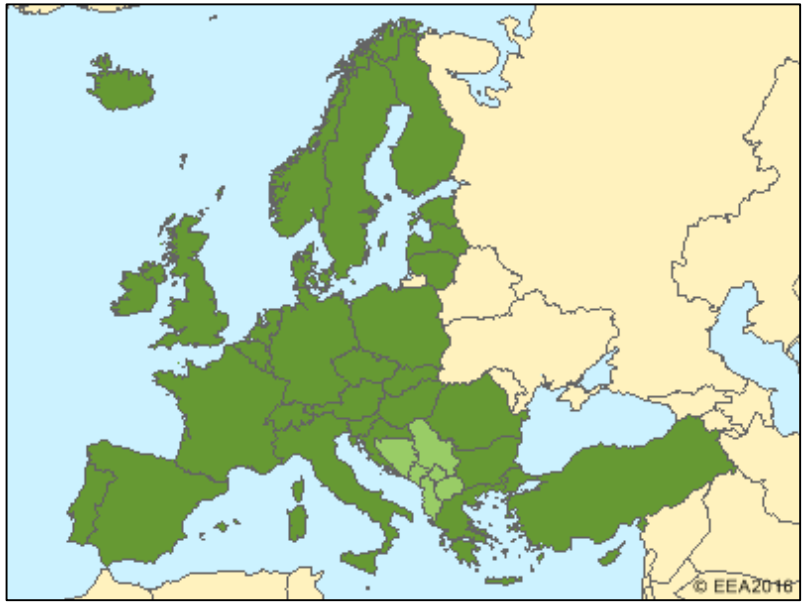
Coordinate the

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

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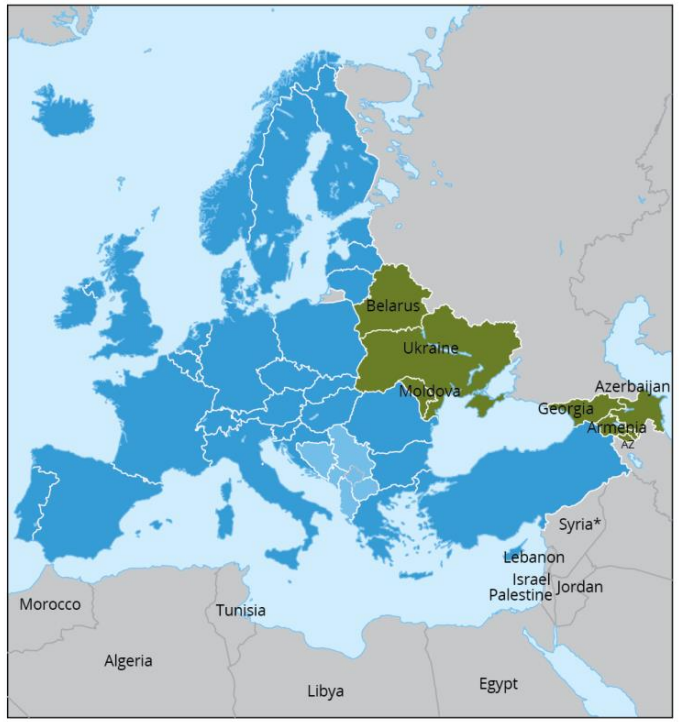
ENI SEIS II East project's expected results

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 delination 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

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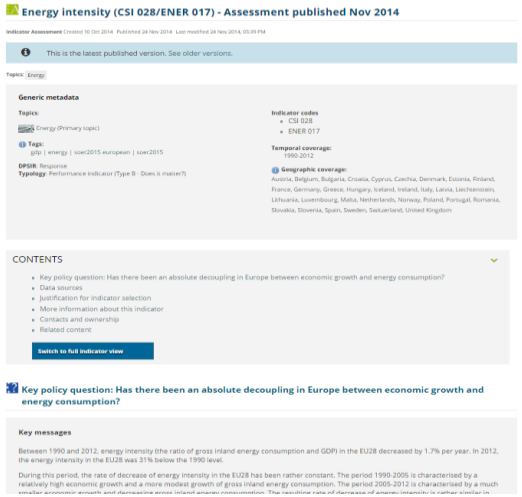
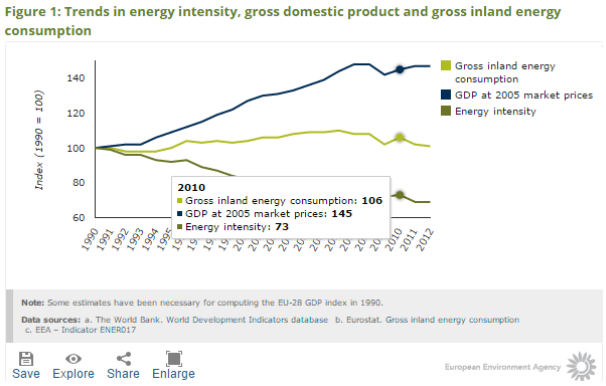
“State of the Environment online” - traceability of data

1) STORY / ASSESSMENT

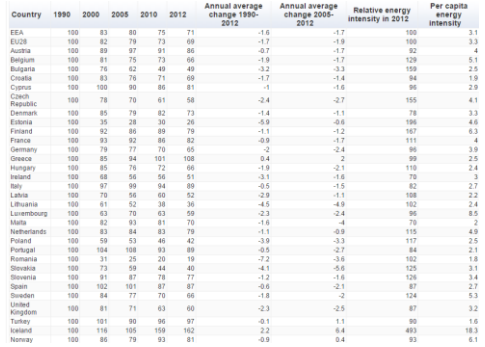
3) INDICATOR MANAGEMENT SYSTEM



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	159	2.5
Croatia	100	83	76	71	69	-1.7	-1.4	94	1.9
Cyprus	100	100	90	86	81	-1	-1.6	96	2.9
Czech Republic	100	78	70	61	58	-2.4	-2.7	155	4.1
Denmark	100	85	79	82	73	-1.4	-1.1	78	3.3
Estonia	100	35	28	30	26	-5.9	-0.6	196	4.6
Finland	100	92	86	89	79	-1.1	-1.2	167	6.3
France	100	93	92	86	82	-0.9	-1.7	111	4
Germany	100	79	77	70	65	-2	-2.4	96	3.9
Greece	100	85	94	101	108	0.4	2	99	2.5
Hungary	100	85	76	72	66	-1.9	-2.1	110	2.4
Ireland	100	68	56	56	51	-3.1	-1.6	79	3
Italy	100	97	99	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	63	70	63	59	-2.3	-2.4	96	8.5
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	91	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	-1.8	-2	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	159	162	2.2	6.4	493	18.3
Norway	100	86	79	93	81	-0.9	0.4	93	6.1

http://www.eea.europa.eu/soer

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EEA cooperation with the Republic of Belarus

ENI SEIS II East

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

Home | About | Areas of work | Countries | Contact

YOU ARE HERE: › HOME › COUNTRIES › BELARUS

BELARUS

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	

0/No data | 25% | 50% | 75% | 100%

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The European Environment Agency – 25 years in perspective

https://www.eea.europa.eu/
https://www.facebook.com/European.Environment.Agency

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The EU policy context for the action on Open Data

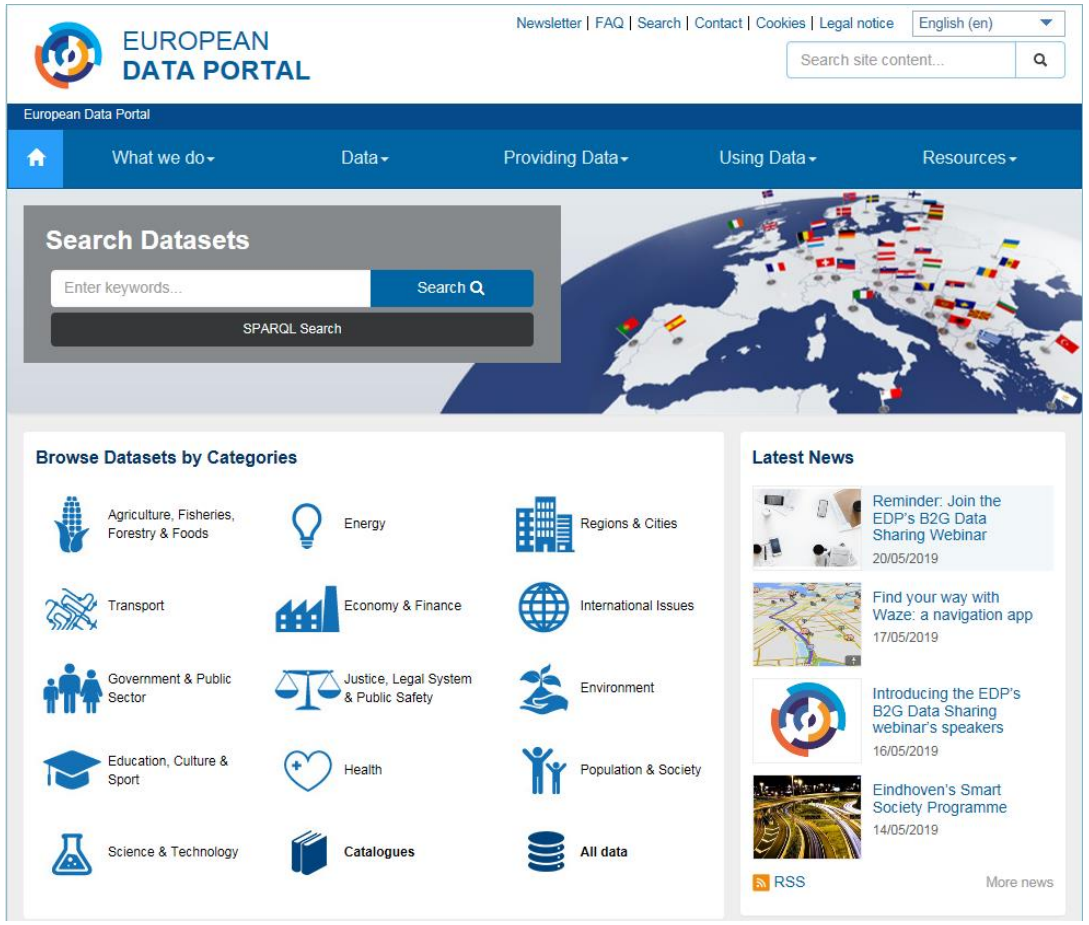
European Commission Digital (Data) Strategy

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/



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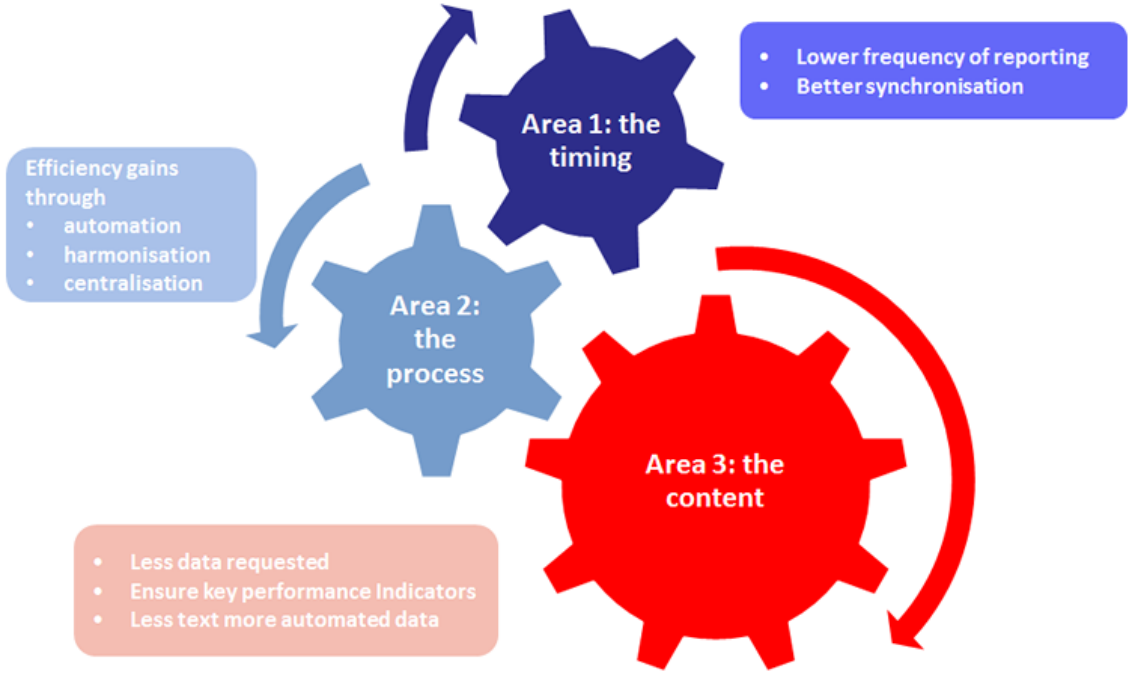
Fitness Check on Environmental Reporting and Monitoring

- [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

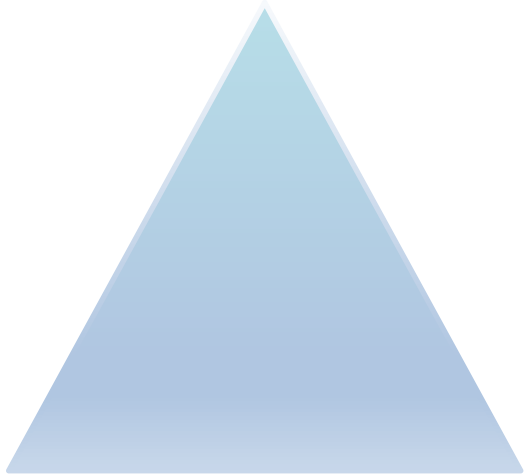
Action	EEA involvement
1 Amend legislation	-
2 Change reporting obligations	Support through rolling work programme
3 Modernise e-Reporting	Core of Reportnet 3.0 project
4 Develop test tools for harvesting	Share of experiences
5 Guidance for national information systems	Steering Committee DG ENV project
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**

European Environment Agency

A new EU strategic agenda 2019-2024

European Council

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

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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

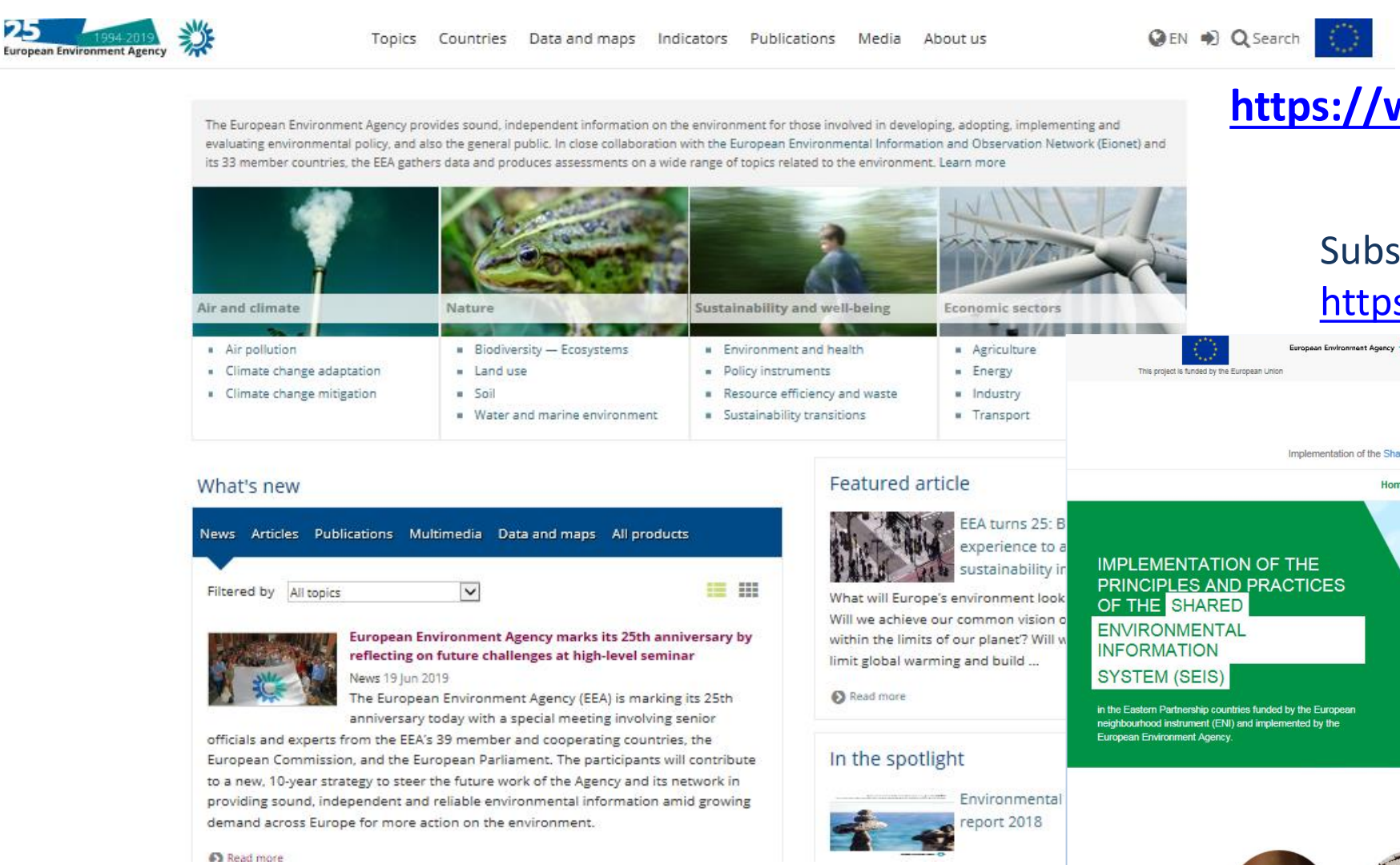
- **Ownership by the partner countries** in advancing the open data initiatives at national and regional level

- **Close connection with the Arhus 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

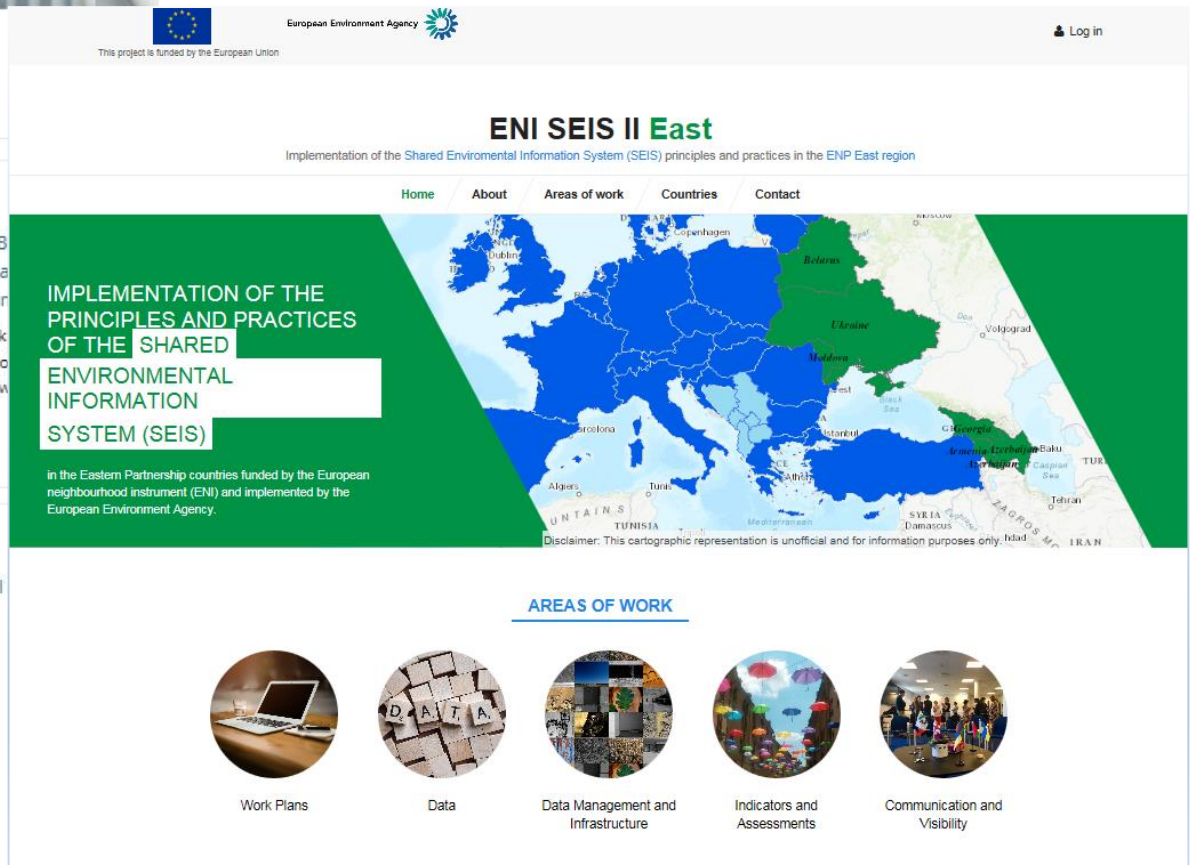
  - 6th Meeting of the Task Force on Access to Information under the Aarhus Convention, 2-4 October 2019, potentially back-to-back with the 2nd regional workshop on Open Data and e-Government for the Environment

THANK YOU!



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

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



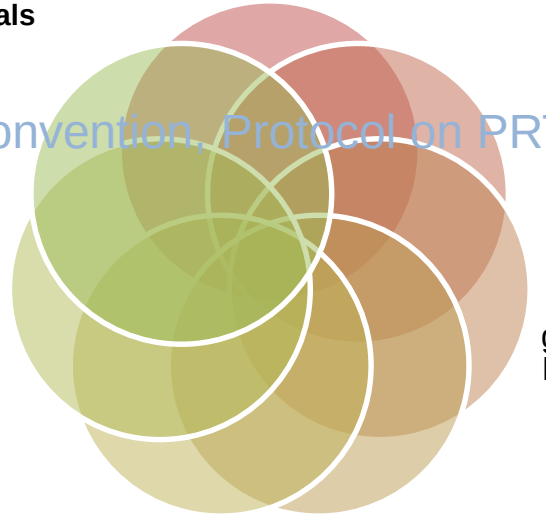
Aarhus Convention and Protocol on PRTRs: potential for promoting integration at the national level

General Access to / **Freedom of Information regime** (FoI)

Data for **Sustainable Development Goals** (implementation, monitoring, review)

Access to / **Freedom of Environmental Information** (FoEI) / **PRTRs**

Linking Aarhus Convention, Protocol on PRTRs and SEIS



Open Data / Digital or e- Government

Access to sectoral information (e.g statistical, geospatial/inspire, Earh observation, meteorological, health-related, nuclear-related, Early warning / DRR)

Open Research Data**, Citizen Science** and **Citizen Observatories** Initiatives

Re-use of Public Sector Information

Linking Aarhus Convention, Protocol on PRTRs and SEIS

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

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

SEIS in the pan-European Region

- 2011 Astana and 2016 Batumi EfE 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

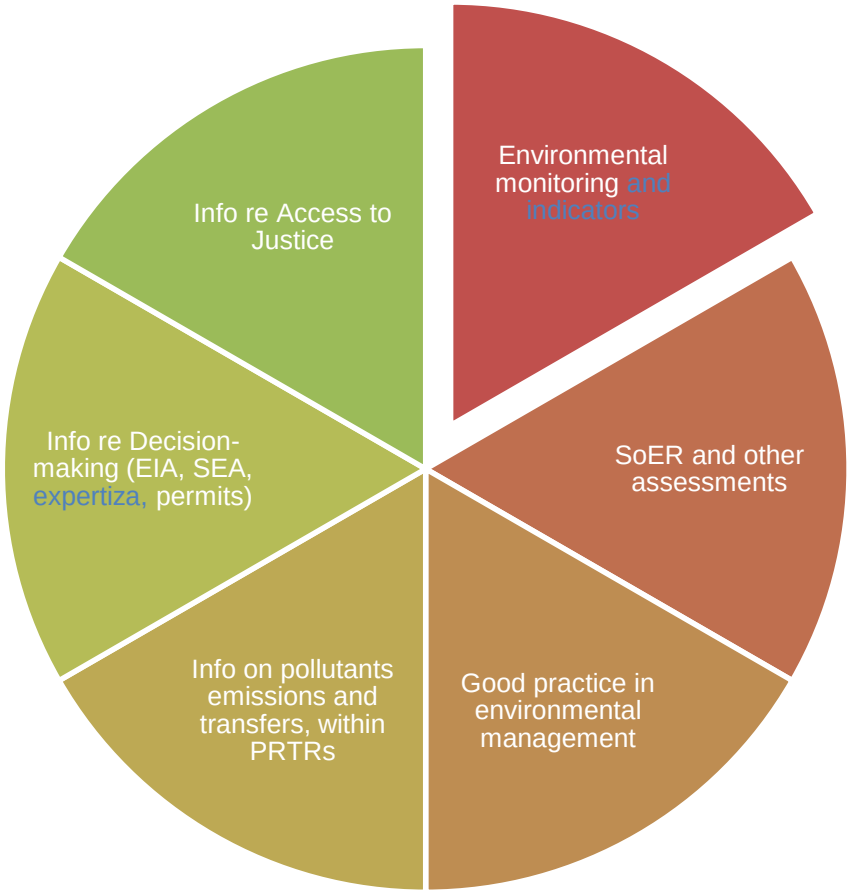
Upon request (art. 4)	Through Dissemination (Art.5)	Within the public participation procedure (Art. 5 (7), Art. 6 (2) & (6), 7, 8)	Relevant to access to justice (art. 9)
• No interest to be stated • As a general rule, in the form requested, including copies of the actual documentation • Within one month • Free of charge or at reasonable charges • Public interest in disclosure to be taken into account for sensitive information • Restrictive interpretation of exceptions	• 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	• Provide access to all relevant information (notifications, drafts, comments and final documents) • Timely • Effective • As soon as information becomes available • Free of charge	• 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)

gency

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