

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

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

## Thematic areas – Water and Biodiversity

Nihat Zal

EEA Project manager - Cross Thematic Support

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# ENI SEIS East - Water

## Overall objectives;

National context (support to national environmental policy)

- **Is the use of freshwater by sectors sustainable?**
- **Are emissions (nitrate concentration, organic matter and ammonium ) to freshwater decreasing?**

Regional context – (improvements with national capacities in meeting the regional obligations based on SEIS principles)

- **Alignment with regional conventions and reporting i.e. Regional Water Convention, Water and Health Proccotol, SDGs**
- **Aligment with EU Water directives and other EU policies e.g. Resource efficiency road map**

## UNECE Regional environmental indicators

- A. Air
- B. Climate change
- C. Water
- D. Biodiversity
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## C- Regional water indicators

- C1. Renewable freshwater resources
- C2. Freshwater abstraction
- C3. Total water use
- C4. Household water use per capita
- C5. Water supply industry and population connected to water supply industry
- C7. Water losses
- C8. Reuse and recycling of freshwater
- C9. Drinking water quality
- C10. BOD and concentration of ammonium in rivers
- C11. Nutrients in freshwater
- C12. Nutrients in coastal seawaters
- C13. Concentrations of pollutants in coastal seawater and sediments (except nutrients)

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Water quantity

### C- Regional water indicators (2017/2018)

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- **Is the use of freshwater by sectors sustainable?**

Water quality

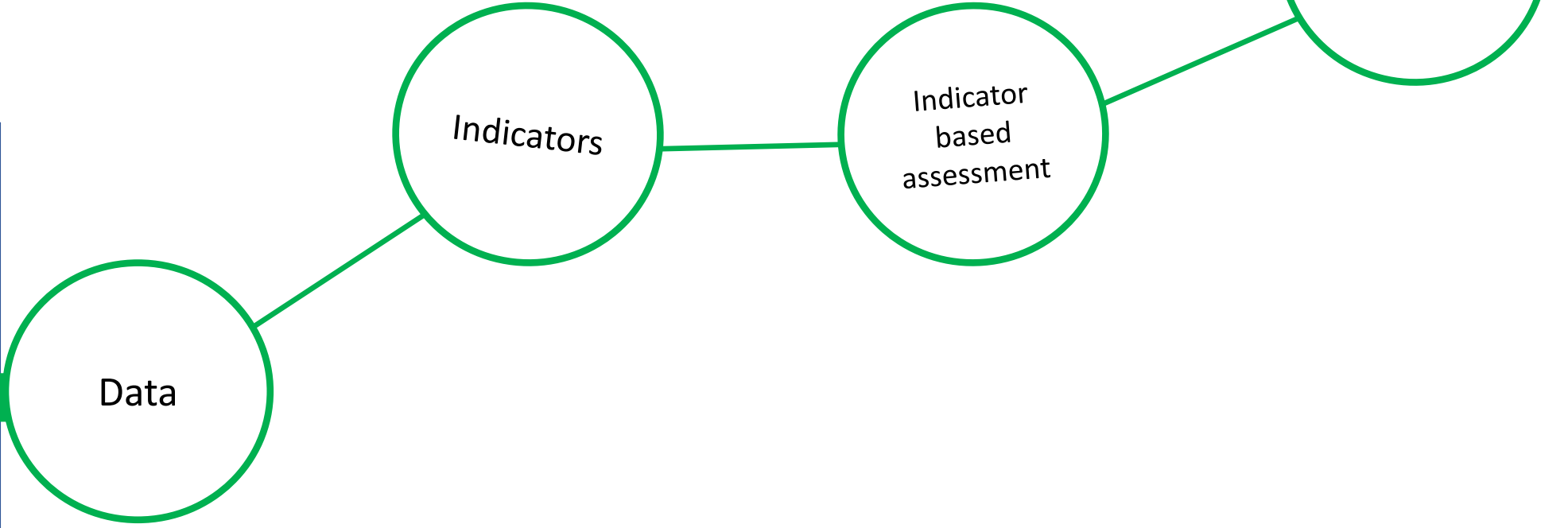
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## Production chain and key deliverables (2017 and 2018)

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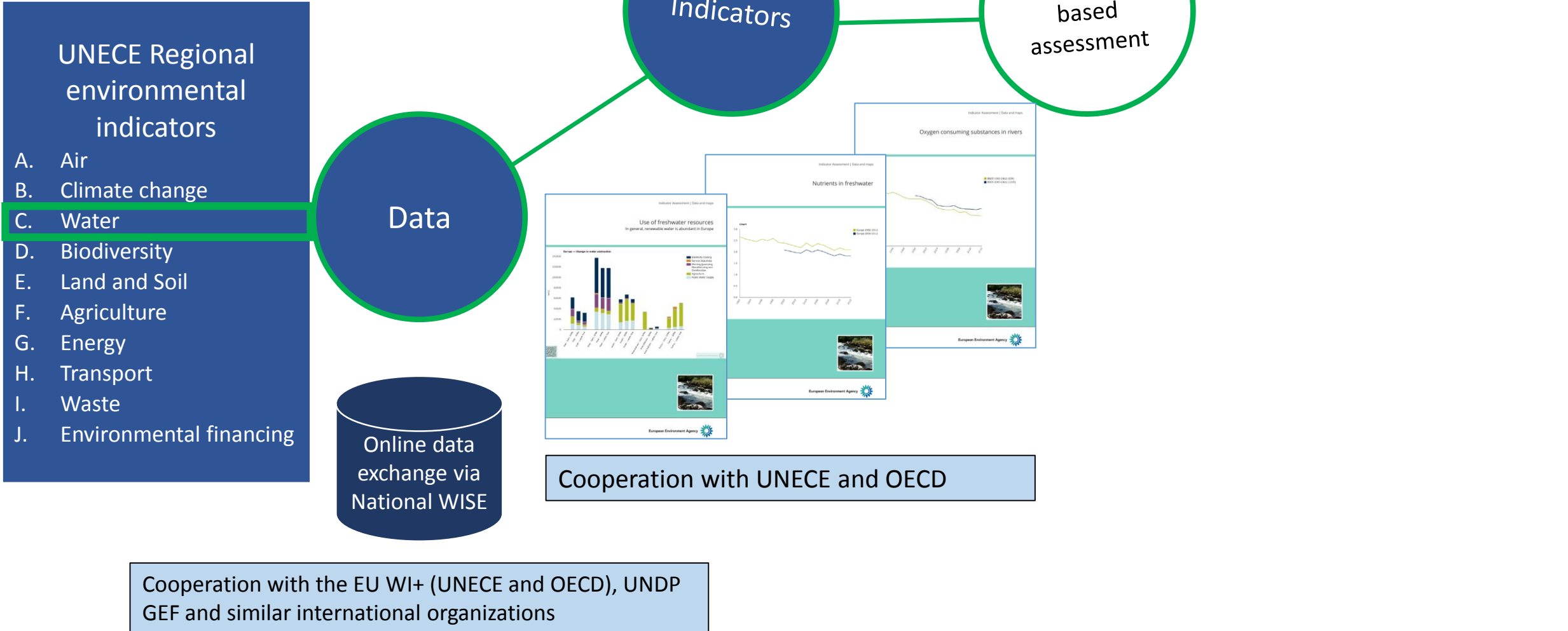
## Production chain and key deliverables (2017 and 2018)



Cooperation with the EU WI+ (UNECE and OECD), UNDP GEF and similar international organizations

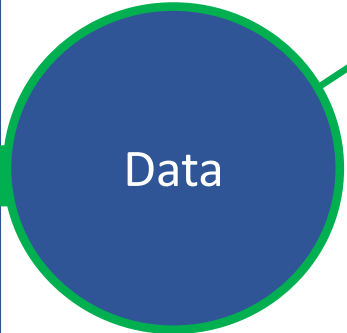
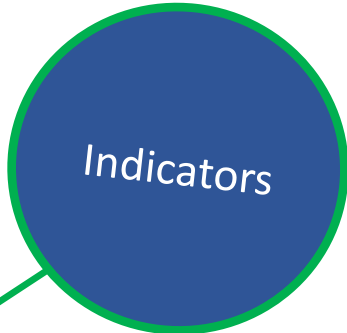
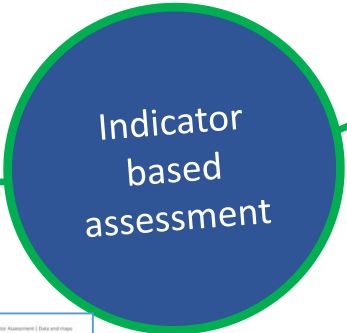
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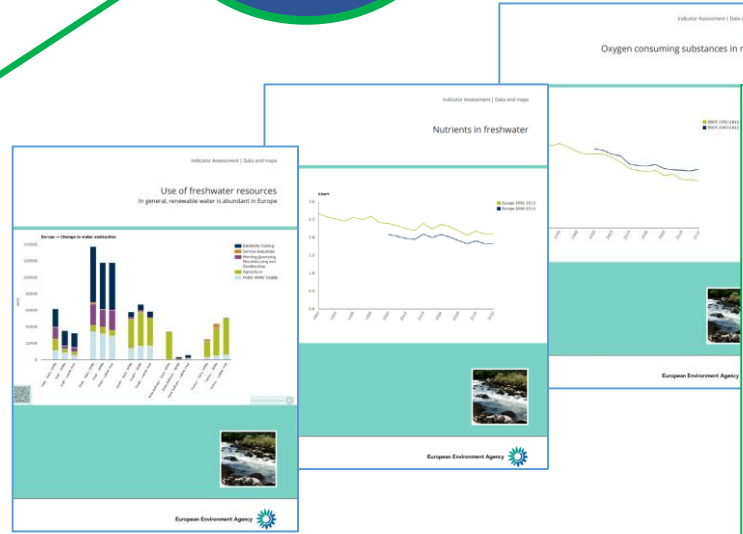


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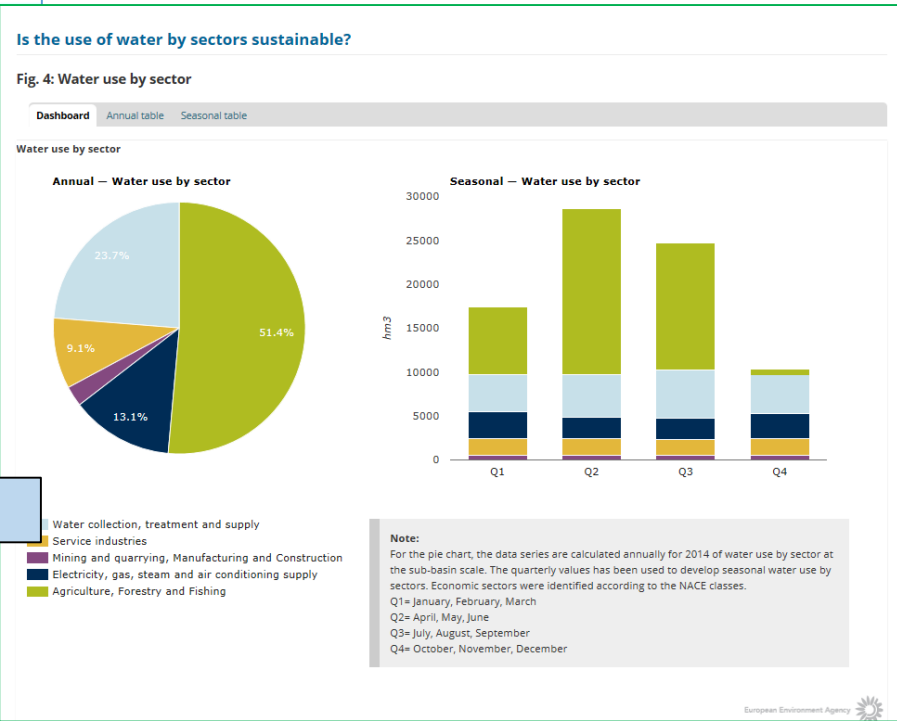
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Cooperation with UNECE and OECD

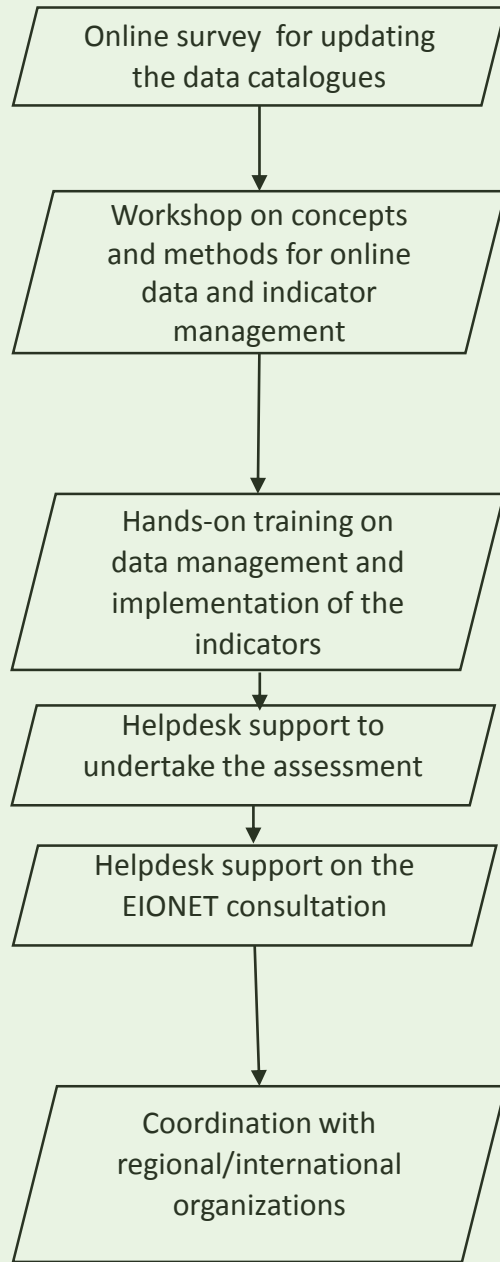


Cooperation with the EU WI+, OECD, UNECE, UNDP GEF and similar international organizations

Potential support to UNEP GEO in the near future!?

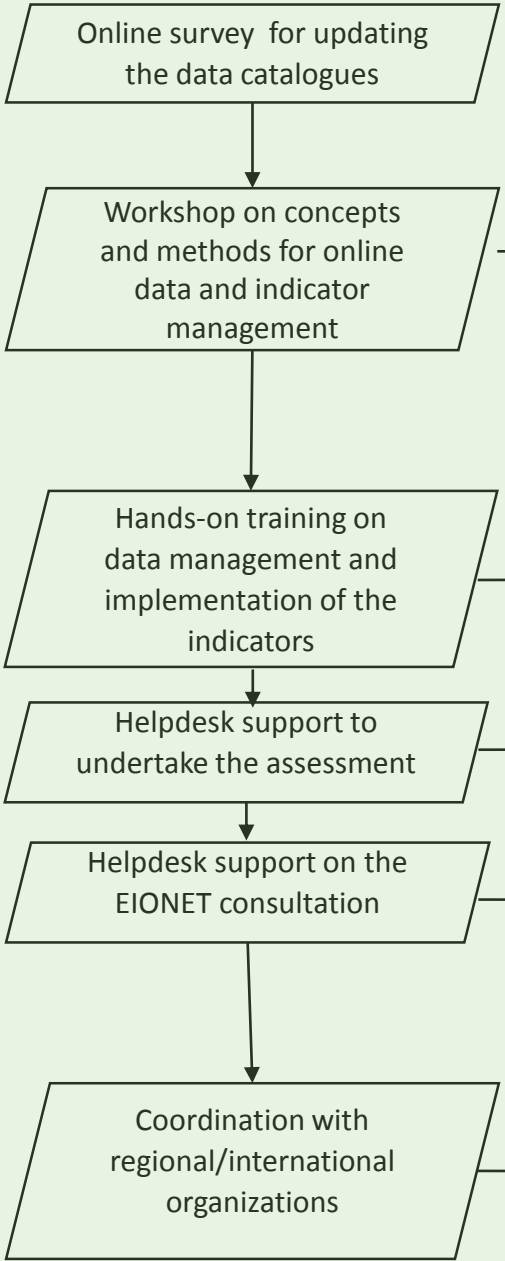


## European Environment Agency

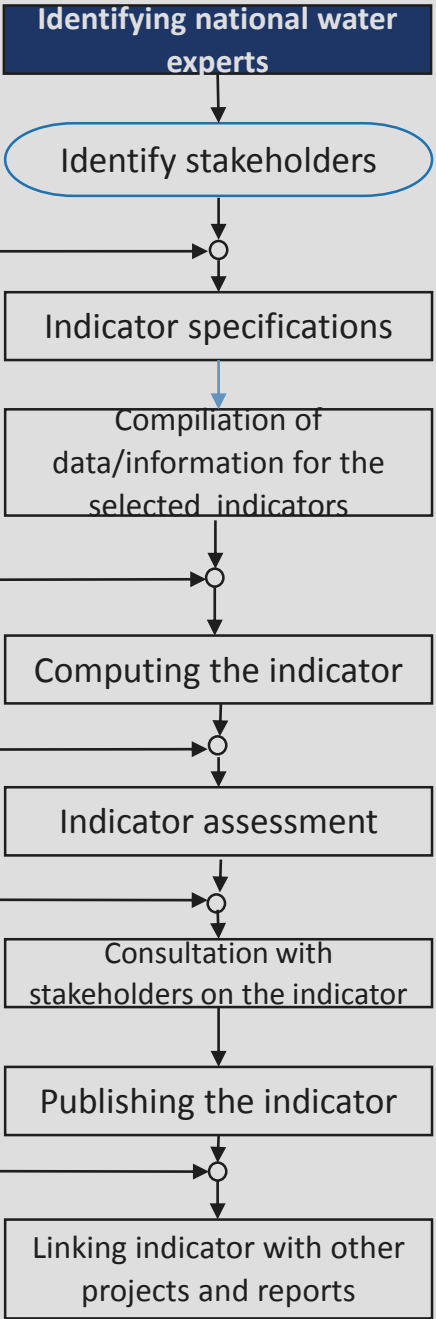


# How to implement the production chain?

## European Environment Agency



## ENI East Country



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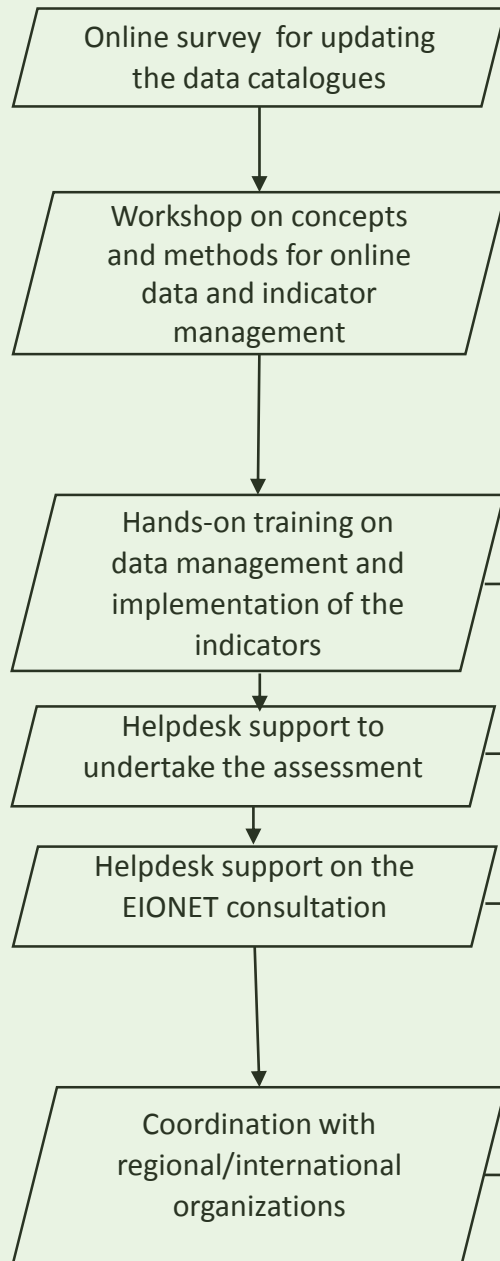
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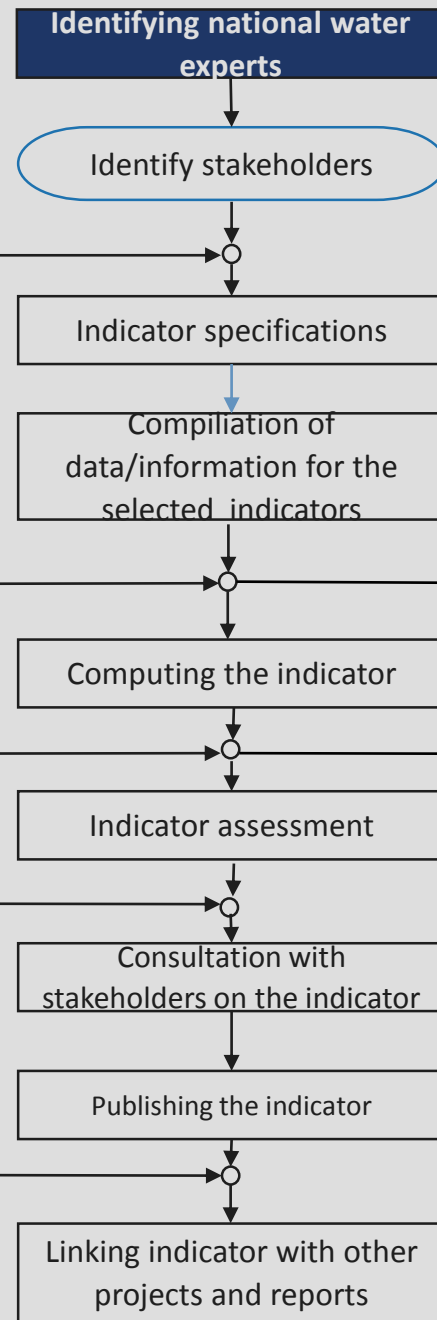
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## European Environment Agency



## ENI East Country



## Key deliverables

## How to implement the production chain?

Publication of compiled data on website as first step towards developing the shared water information system

Water quantity accounts in accordance with UN SEEA Water (2012)

Indicator component of the shared water information system

Publications/reports on the SWISE available



# ENI SEIS East – Biodiversity

## Overall objectives;

National context (support to national environmental policy)

– **What is the progress with the national designation of protected areas as a tool for biodiversity conservation?**

Regional context – (improvements with national capacities in meeting the regional obligations based on SEIS principles)

- **Alignment with regional conventions and reporting i.e. Bern Convention (Emerald networks), CBD and its Aichi targets**

- **Alignment with EU Nature directives (e.g. Article 17 of the Habitat Directive and Article 12 of the Bird Directive)**

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## D- Regional biodiversity indicators

- D1. Protected areas
- D2. Biosphere reserves and wetlands of international importance (place holder)
- D3. Forests and other wooded land
- D4. Threatened and protected species
- D5. Trends in the number and distribution of selected species
- D6. Invasive alien species (place holder)

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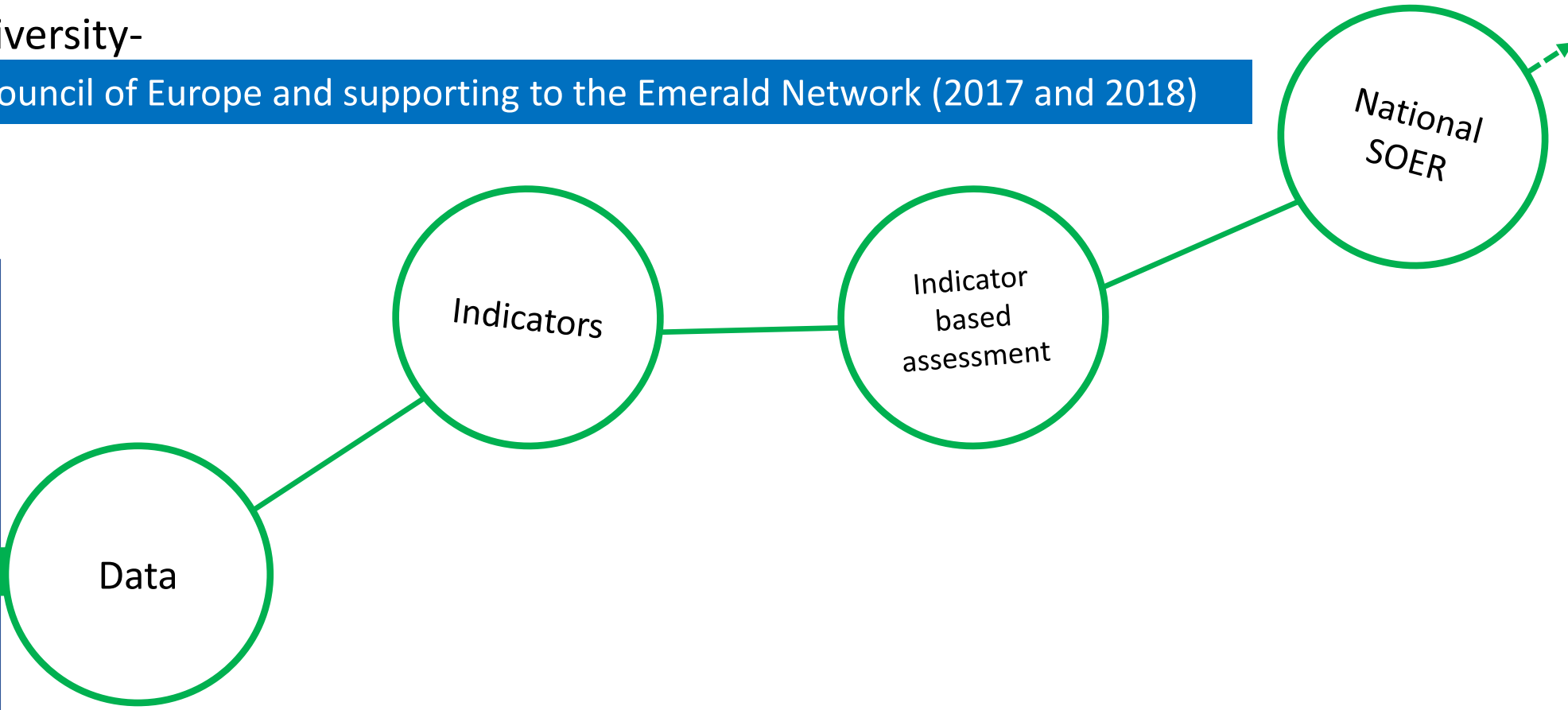
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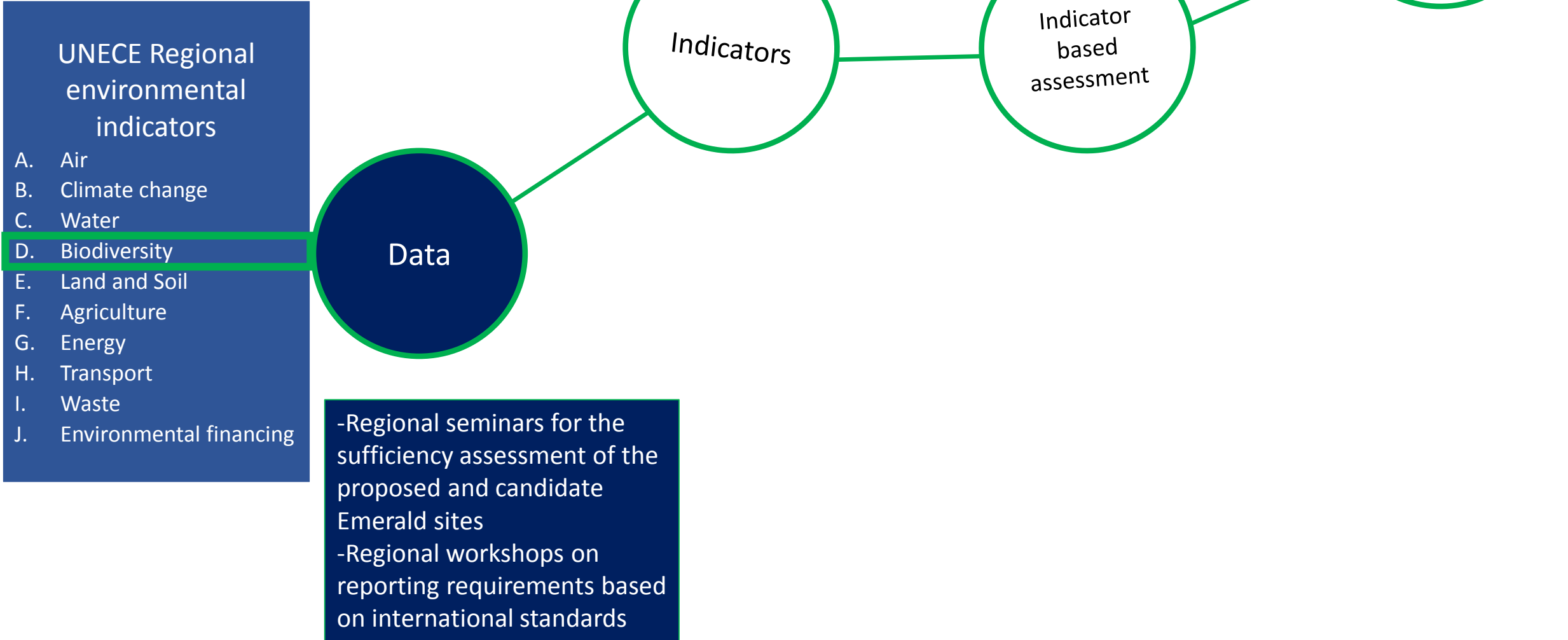
Cooperation with the Council of Europe and supporting to the Emerald Network (2017 and 2018)

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Cooperation with the Council of Europe and supporting to the Emerald Network (2017 and 2018)





# ENI SEIS East – Biodiversity-

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National  
SOER

## UNECE Regional environmental indicators

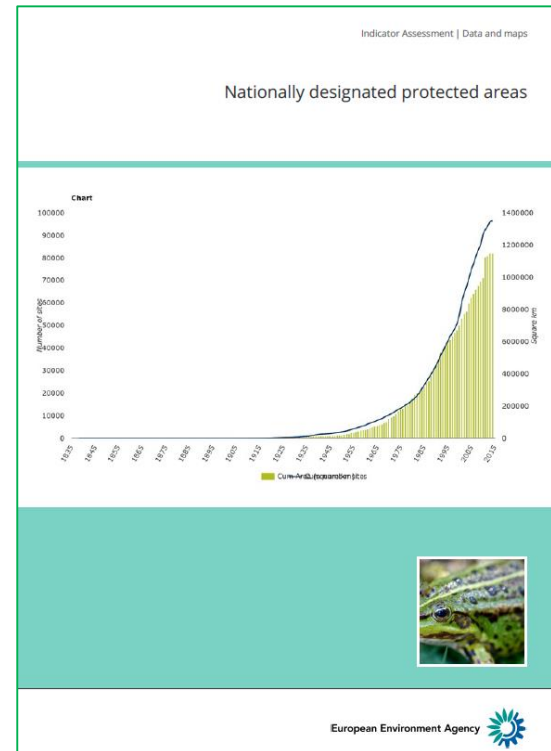
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Data

Indicators

Indicator based assessment

-Regional seminars for the sufficiency assessment of the proposed and candidate Emerald sites  
-Regional workshops on reporting requirements based on international standards



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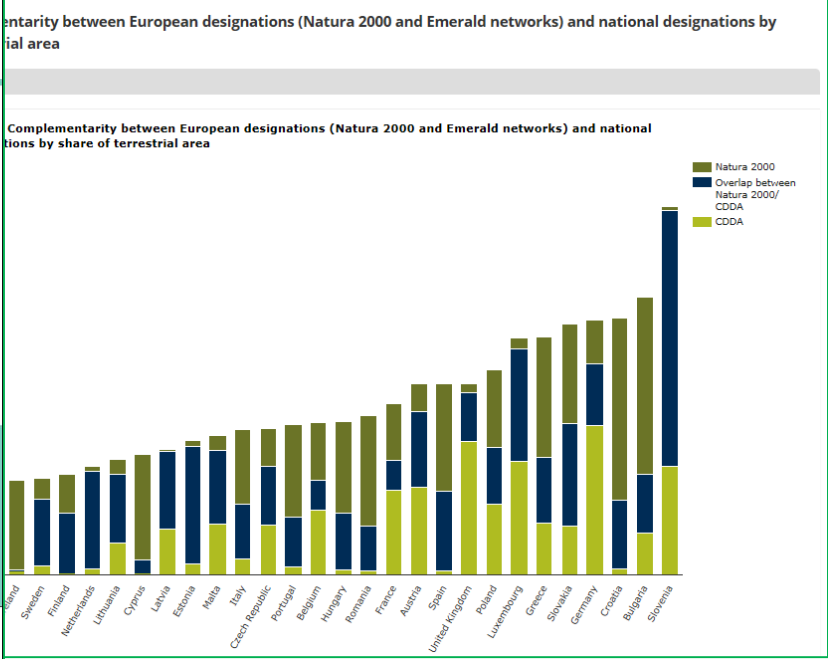
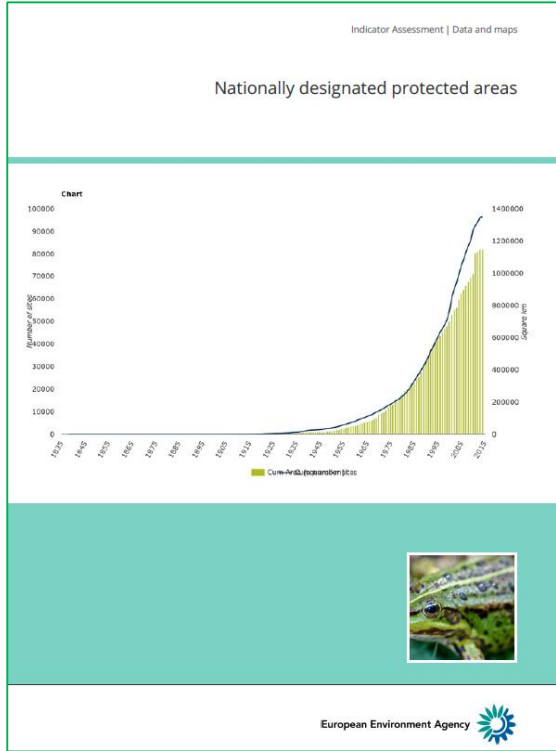
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# How to implement the production chain?

## European Environment Agency

## ENI East Country (NIT and NFPs)

### Key deliverables

Regional workshop on reporting requirements and training on developing the distribution maps

Mobilising national expert network of the Emerald sites in coordination with EEA and CoE

3 **national experts trained** on reporting formats of the Emerald network for species and habitats  
1 **national expert trained** on *how to develop the distribution maps for species and habitats*

Biogeographical seminars on sufficiency assessment of proposed and candidate Emerald sites

Mobilising national expert network of the Emerald sites in coordination with EEA and CoE

Detailed conclusions **database** on the sufficiency of the Network of sites for each country assessed

Helpdesk support in using the Standard Data Form Tool (SDF) for reporting the data to the EEA CDR

Support involvement of related public institutions in coordination with EEA and CoE

The **data is publicly available** after the adoption by the Standing Committee of the CoE

Alignment of species names of the Bern Convention (Emerald) with the list of common species concepts

Data collection and harmonization

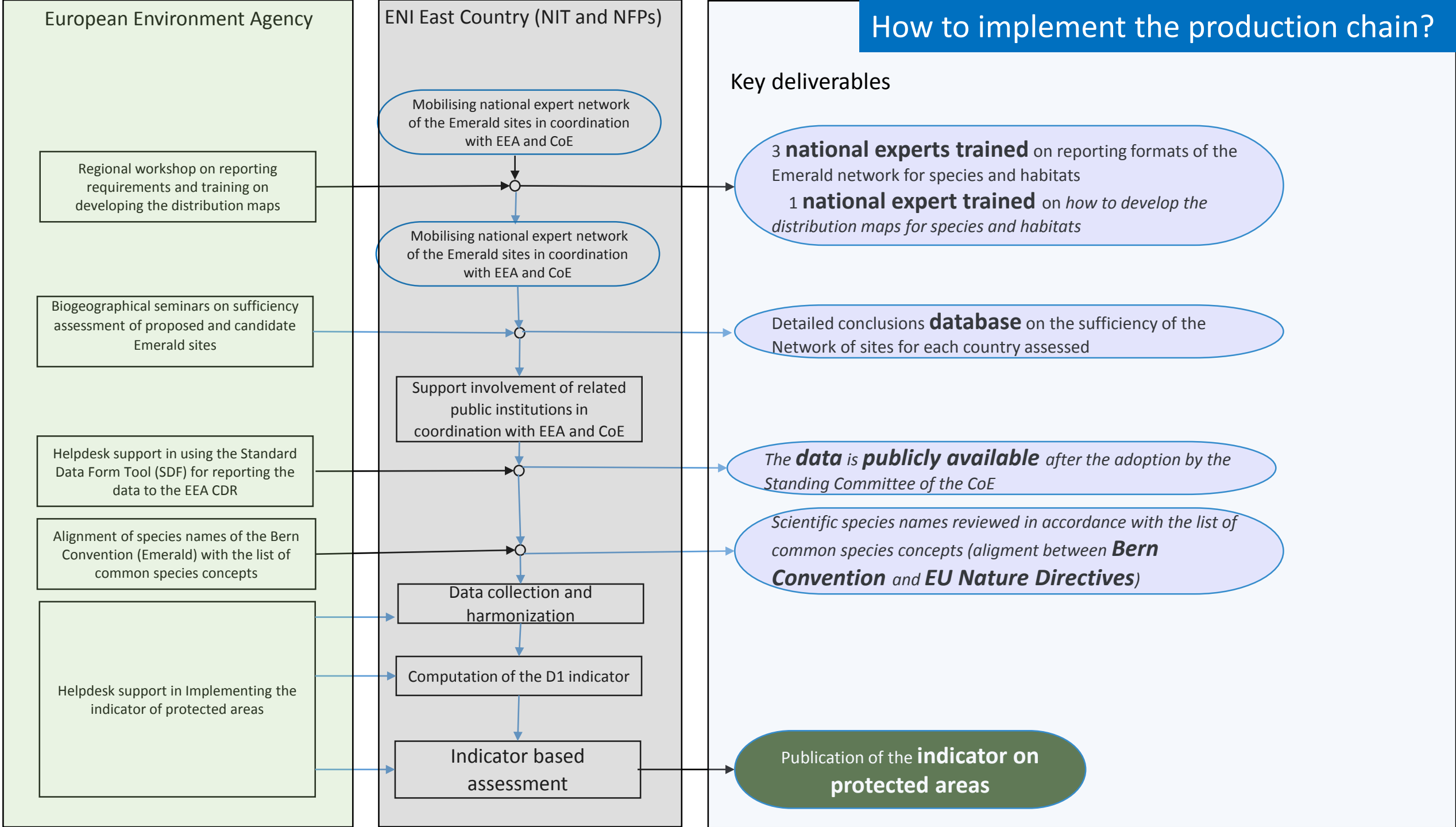
Scientific species names reviewed in accordance with the list of common species concepts (alignment between **Bern Convention** and **EU Nature Directives**)

Helpdesk support in Implementing the indicator of protected areas

Computation of the D1 indicator

Indicator based assessment

Publication of the **indicator on protected areas**





# Thanks for listening!

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# Protoype of the shared national water information system

