EEA’s contribution to biodiversity maintenance
What?
The provision of relevant, reliable, targeted and timely information to policy-making agents and the public.

Why?
To help achieve significant and measurable improvements in Europe’s environment and to support sustainable development.
Support to Europe’s environmental policies

2014–2018 Themeatic policies timelines and deadlines
2020/2030 Comprehensive policies (Europe 2020, 7th EAP), or specific targets
2050 Long-term visions and targets with a societal transition perspective

SUSTAINABILITY

- WFD targets
- Fisheries below MSY
- MDGs

2014/2018

2020 targets
- Halt biodiversity loss
- 20-20-20 targets
- Air quality targets

2020/2030

2050
- Vision in 7th EAP
- Reduce GHG 80–95%
- Water blueprint
- Zero impacts (air)
- SDGs
Informing on policy implementation – EEA data centres and European topic centres

- Air pollution, transport and noise
- Industrial Pollution
- Climate change mitigation and energy
- Climate change impacts, vulnerability and adaptation
- Water management, resources and ecosystems
- Marine and maritime, fisheries and coastal
- Biodiversity, ecosystems, agriculture and forests
- Urban, land use and soil
- Waste and material resources

European Environment Agency
EEA/EIONET core processes

- Assessing systemic challenges (SA2)
- Informing policy implementation (SA1)
- Knowledge co-creation, sharing and use (SA3)

Member countries/Eionet
Member States/Eurostat
Research RTD, JRC/FP7, H2020
Remote sensing Copernicus
Citizens, civil society, business

Knowledge base
EEA Biodiversity data centre…
Data, indicators, assessments, reporting, …

• Access to data and information on species and habitat types of European importance, red listed species in Europe, Natura 2000 sites and nationally designated areas in European countries (CDDA)

• BISE – biodiversity information system for Europe (http://biodiversity.europa.eu/)
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'.

BISE is contributing to the improvement of the knowledge and evidence base for the European Union's environmental policy.
Indicators...

• 127 EEA indicators to support environmental policy making
• 26 SEBI 2010 → 2020
• 7th Environmental Action Plan
• Sustainable Development Goals
Examples...

Abundance and distribution of selected species

Nationally designated protected areas

Figure 2.4  Cumulative number of alien species in all European seas

Number of alien species, cumulative

Species of European interest

Sources: A. Jarmolowicz, N. Steffani and S. Konarzewska, unpublished data.
... and 26 specific indicators

| 1. Abundance and distribution of selected species | 14. Fragmentation of river systems |
| 2. Red List Index for European species | 15. Nutrients in transitional, coastal and marine waters |
| 3. Species of European interest | 16. Freshwater quality |
| 4. Ecosystem coverage | 17. Forest: Growing stock, increment and fellings |
| 5. Habitats of European interest | 18. Forest: Deadwood |
| 7. Nationally designated protected areas | 20. Agriculture: Area under management practices potentially supporting biodiversity |
| 8. Sites designated under the EU Habitats and Birds Directives | 21. Fisheries: European commercial fish stocks |
| 10. Invasive alien species in Europe | 23. Ecological Footprint of European countries |
| 12. Marine Trophic Index of European seas | 25. Financing biodiversity management |
Assessments...

- State of Europe’s environment (2015) every 5 years
- State of nature in the EU (results of reporting on Nature Directives 2007-12)
- Thematic reports
  - State of Europe’s forest ecosystems
  - Water retention potential from forests
  - Climate change impact and vulnerability
Support to EU’s Biodiversity Strategy 2020

EU 2020 Biodiversity Strategy

Are Europe’s ecosystems in good shape to continue delivering essential ecosystem services?

Can we value the flow of ecosystem services from ecosystems to society?

Which drivers of change increase or decrease the delivery of ecosystem services?

We need to map and assess ecosystems and their services
Mapping and Assessment of Ecosystem Services - Analytical Framework

Ecosystem Mapping and Assessment

- Mapping ecosystems capacities
- Mapping drivers and pressures (change in space and time)
- Assessing impacts on ecosystem structure and function
- Linking ecosystem conditions with service provision
- Understand how various ecosystem types interact with their services (synergies and trade-offs)
MAES work ongoing...

- Mapping ecosystems and assess their condition

- Biophysical baseline mapping and assessment of defined ecosystem services (JRC)
Thank you

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Some useful links

- **Guidelines**

- The assessments, both by countries and for the biogeographical regions