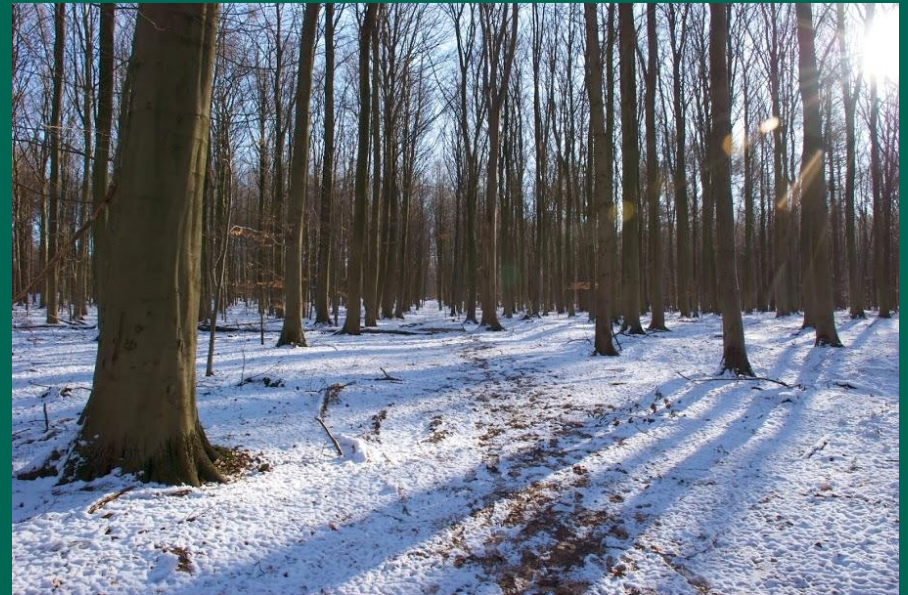
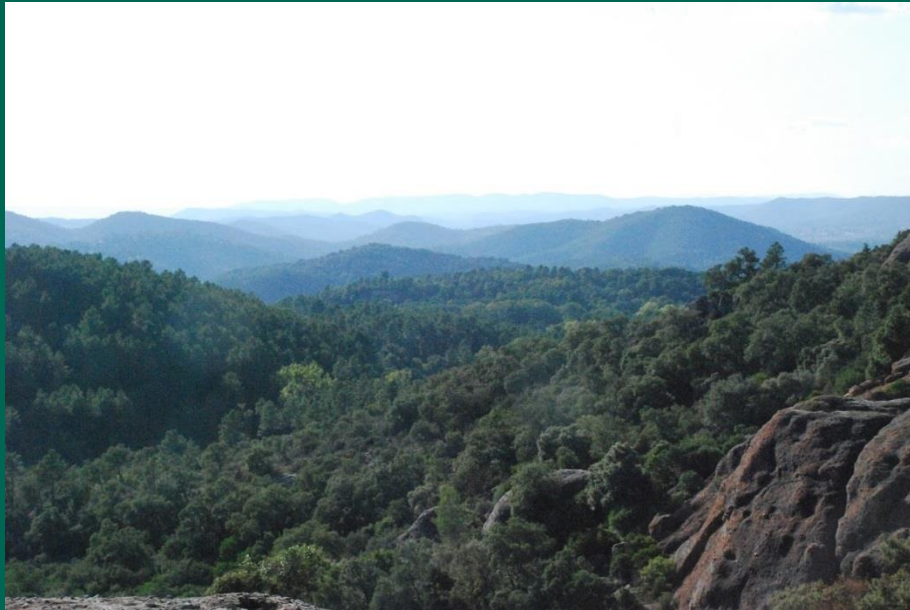


EEA's contribution to biodiversity maintenance



The EEA's mission

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 Thematic 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



Informing on policy implementation – EEA data centres and European topic centres

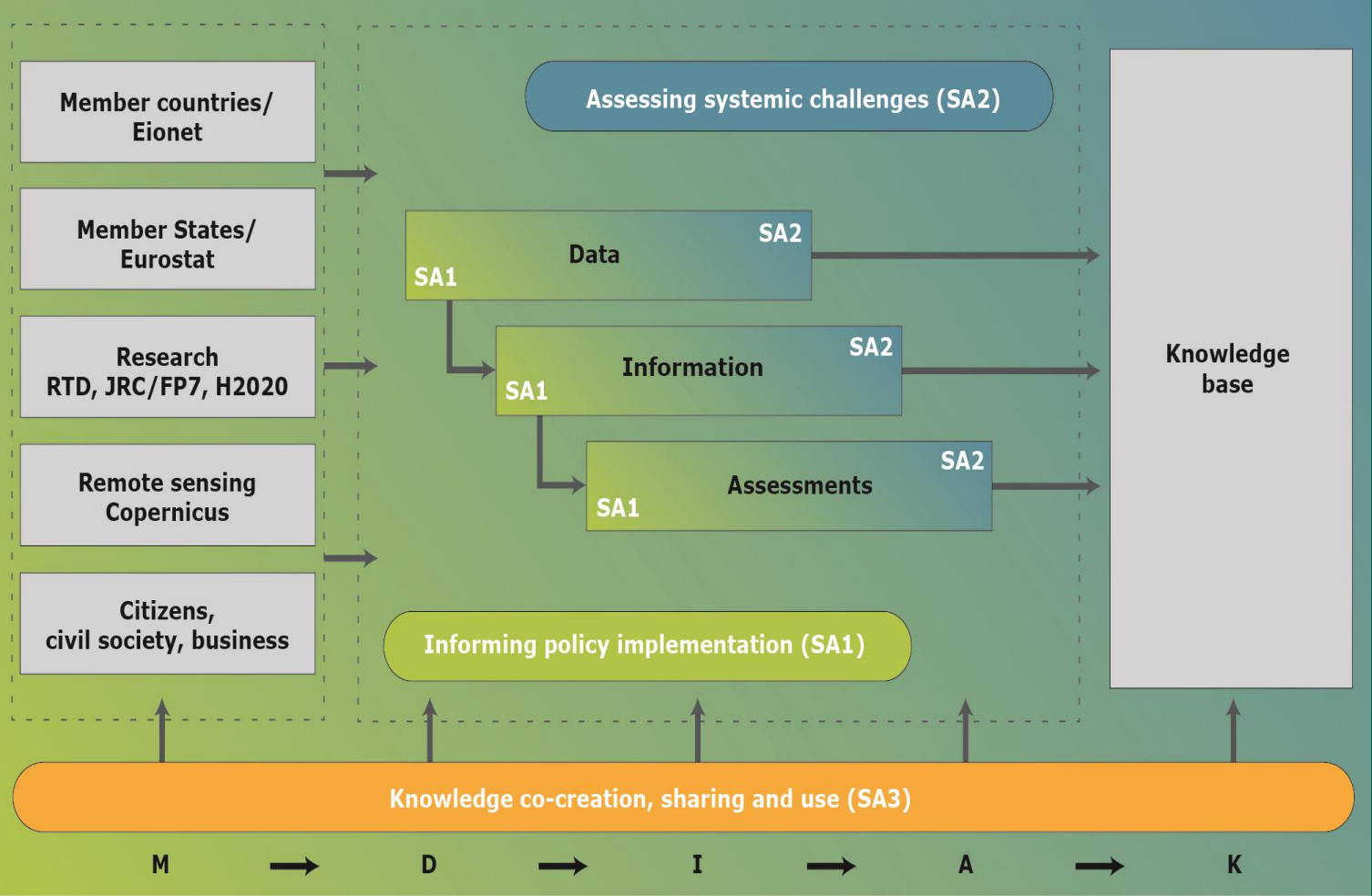
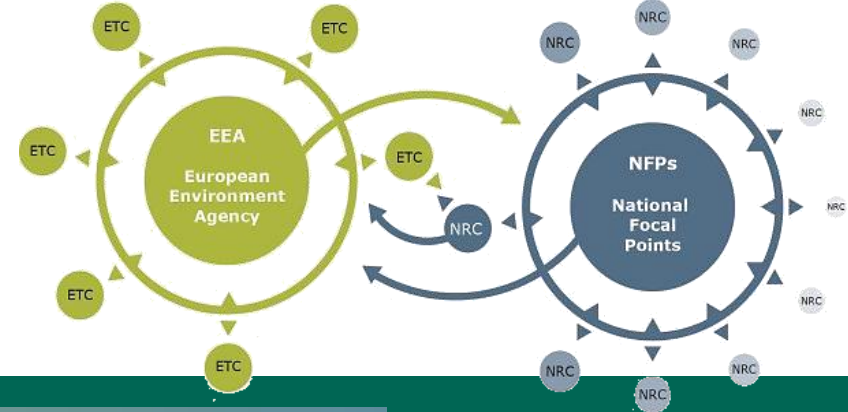


Air pollution,
transport and
noise



Industrial
Pollution

EEA/EIONET core processes



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/>)





Topics

Policy

Data

Knowledge


Countries

Networks



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.



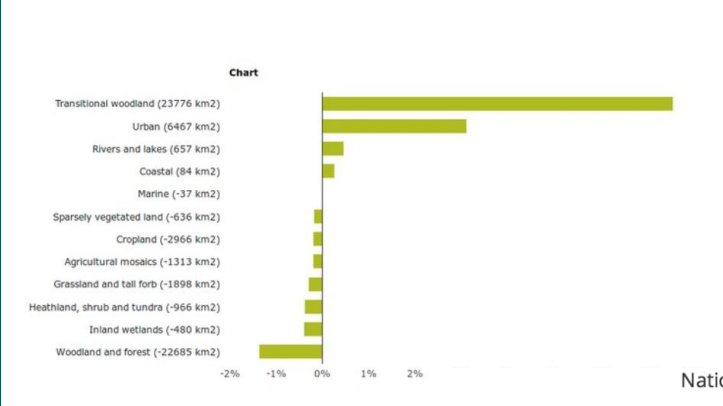
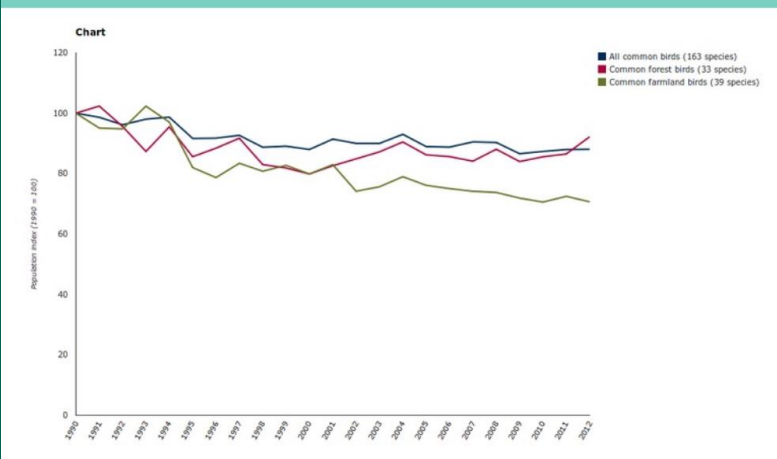
Indicators...

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



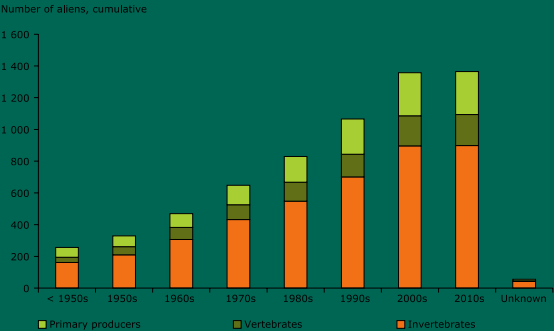
Examples...

Abundance and distribution of selected species

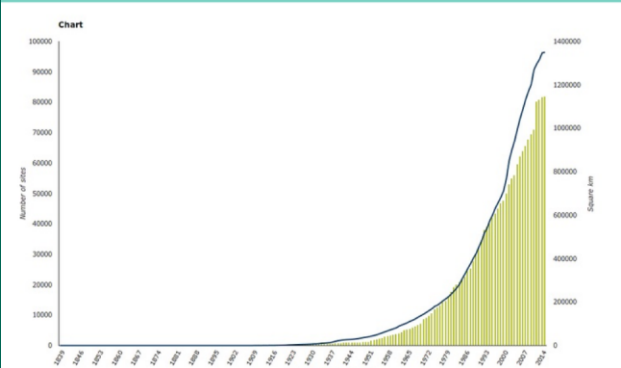
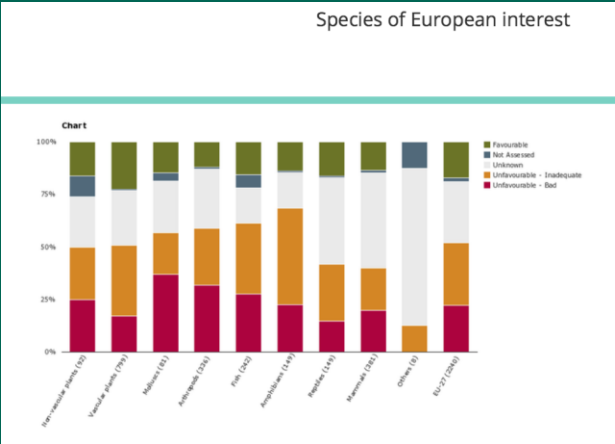


Nationally designated protected areas

Figure 2.4 Cumulative number of alien species in all European seas



Source: A. Zenetos, N. Steffaris and S. Kavadas, 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
6. Livestock genetic diversity	19. Agriculture: Nitrogen balance
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
9. Critical load exceedance for nitrogen	22. Aquaculture: Effluent water quality from finfish farms
10. Invasive alien species in Europe	23. Ecological Footprint of European countries
11. Occurrence of temperature-sensitive species	24. Patent applications based on genetic resources
12. Marine Trophic Index of European seas	25. Financing biodiversity management
13. Fragmentation of natural and semi-natural areas	26. Public awareness



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
 - <http://www.eea.europa.eu/publications>



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?

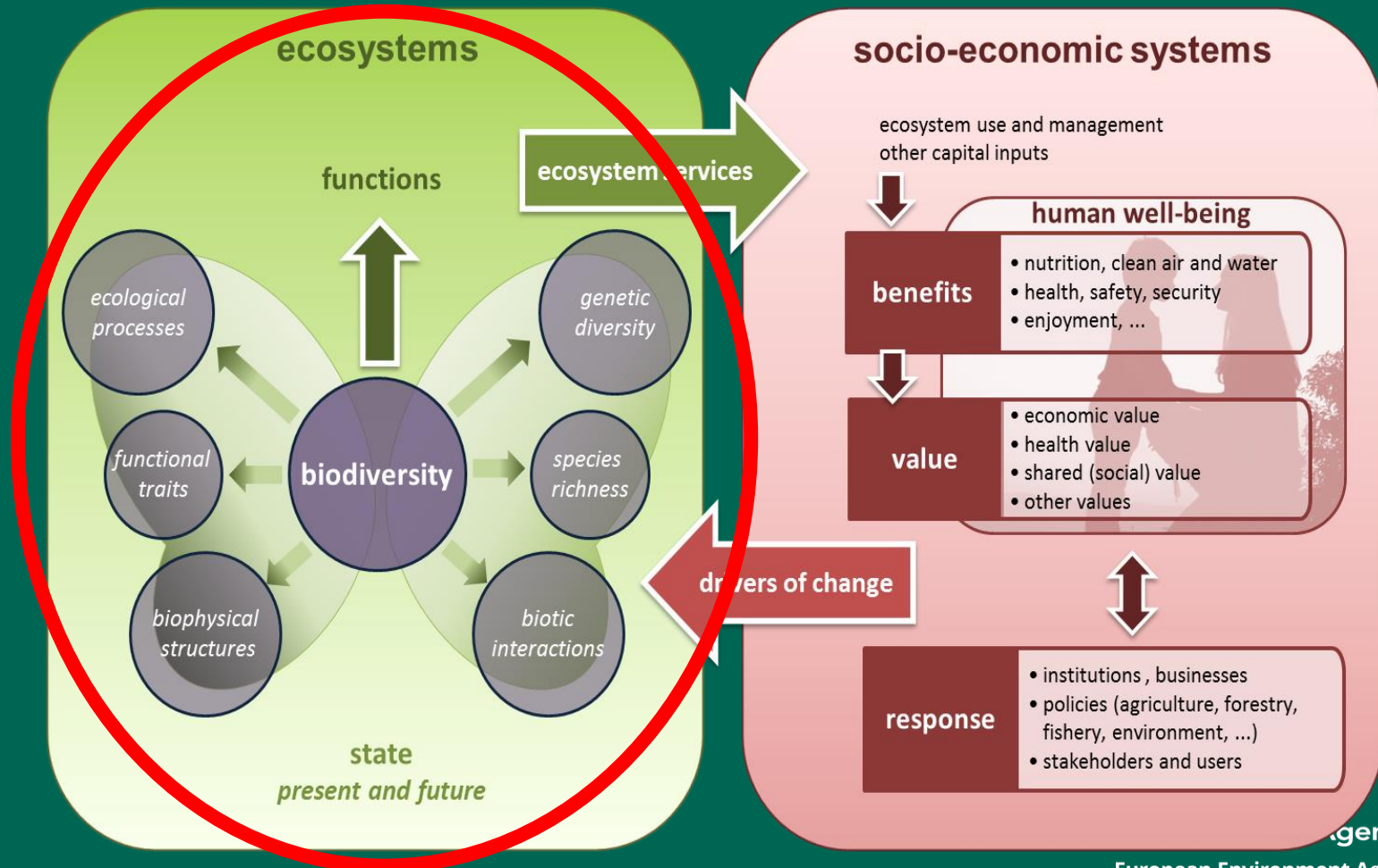


Which drivers of change increase or decrease the delivery of ecosystem services?

We need to map and assess ecosystems and their services



Mapping and Assessment of Ecosystem Services - Analytical Framework



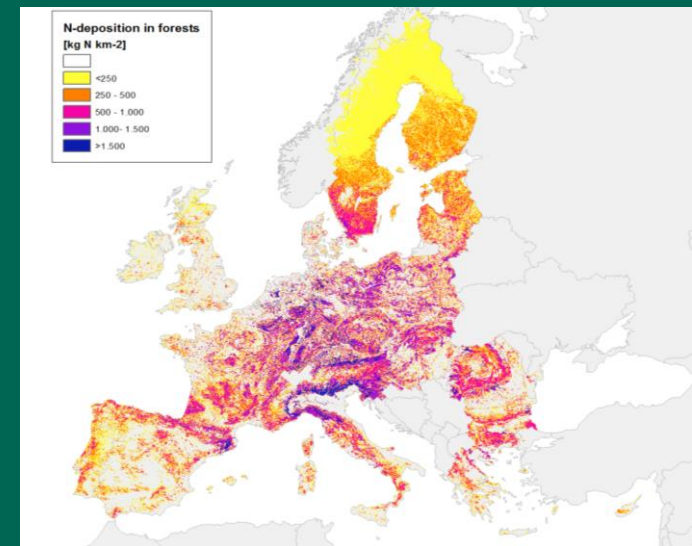
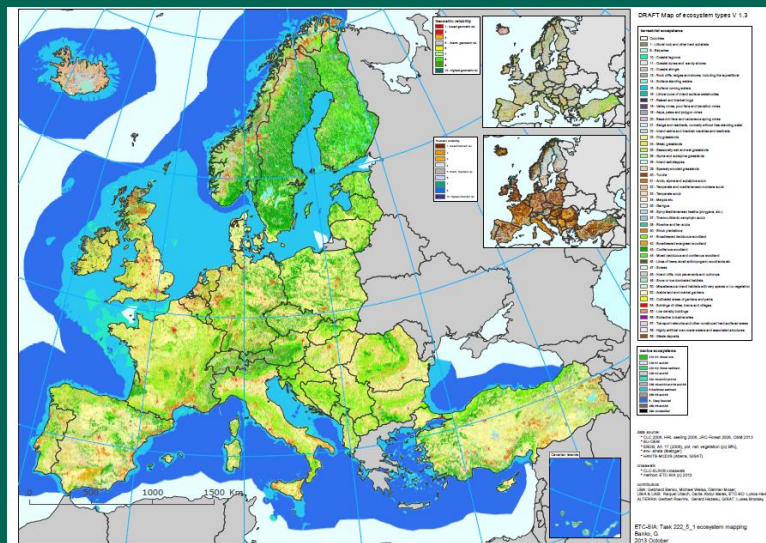
Ecosystem Mapping and Assessment

- 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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European Environment Agency



Some useful links

- [Guidelines](#)
- http://ec.europa.eu/environment/nature/legislation/habitatsdirective/docs/Int_Manual_EU28.pdf
- The assessments, both by countries and for the biogeographical regions
 - <http://bd.eionet.europa.eu/article17/reports2012/>



