

SEBI 2010 - how we got to 26 indicators for Europe

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SEBI 2010...and more acronyms

- ☀ SEBI 2010: Streamlining European 2010 Biodiversity Indicators
- ☀ EEA, DG ENV, ETC/BD, UNEP/WCMC, PEBLDS... And more than 100 experts
- ☀ It began in 2005...



Phase 1 - selecting the indicators

Phase 1: a coordination team and 6 expert groups:

- Species
- Ecosystems
- Genetic diversity
- Nitrogen
- IAS
- Sustainable use



EG meetings, and a plenary workshop

- ☀ Criteria, modelled on CBD criteria
- ☀ Documentation form template
- ☀ >80 candidate indicators in the summer of 2006
- ☀ Workshop (add questions)
- ☀ Spider diagrammes
- ☀ Selection by CT early in 2007



16 EU Headlines

ECOSYSTEM INTEGRITY, GOODS AND SERVICES

- Marine trophic index
- Connectivity/fragmentation of ecosystems
- Water quality in aquatic ecosystems

SUSTAINABLE USE

- Area of ecosystems under sustainable management
 - Forest
 - Agriculture
 - Fishery
 - Aquaculture
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- Ecological footprint

+ Funding to biodiversity
+ Public awareness & participation
+ Patent applications

STATUS AND TRENDS OF COMPONENTS OF BIODIVERSITY

- Trends in extent of selected biomes, ecosystems, habitats
- Coverage of protected areas
- Trends in abundance and distribution of selected species
- Change in status of threatened and/or protected species
- Trends in genetic diversity of domesticated animals, cultivated plants, fish species of major socioeconomic importance

THREATS TO BIODIVERSITY

- Nitrogen deposition
- Numbers and costs of invasive alien species (*Trends in invasive alien species*)
- Impact of climate change

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... 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





Halting the loss of biodiversity by 2010: proposal for a first set of indicators to monitor progress in Europe

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Phase 2 - using the set and filling the gaps

Phase 2: a coordination team and 3 working groups:

- interlinkages
- climate change
- communications



Using the set

Key issues

- ☀ an assessment story (assessment report and interlinkages WG, response indicators)
- ☀ gaps and improvements (climate change, public awareness, ...)
- ☀ dataflows – securing the indicators



Next steps

- ☀ 2008/2009: Indicator based assessment report
- ☀ 2010: SOER
- ☀ 2012: Ecosystem assessment for Europe



More information, or comments?

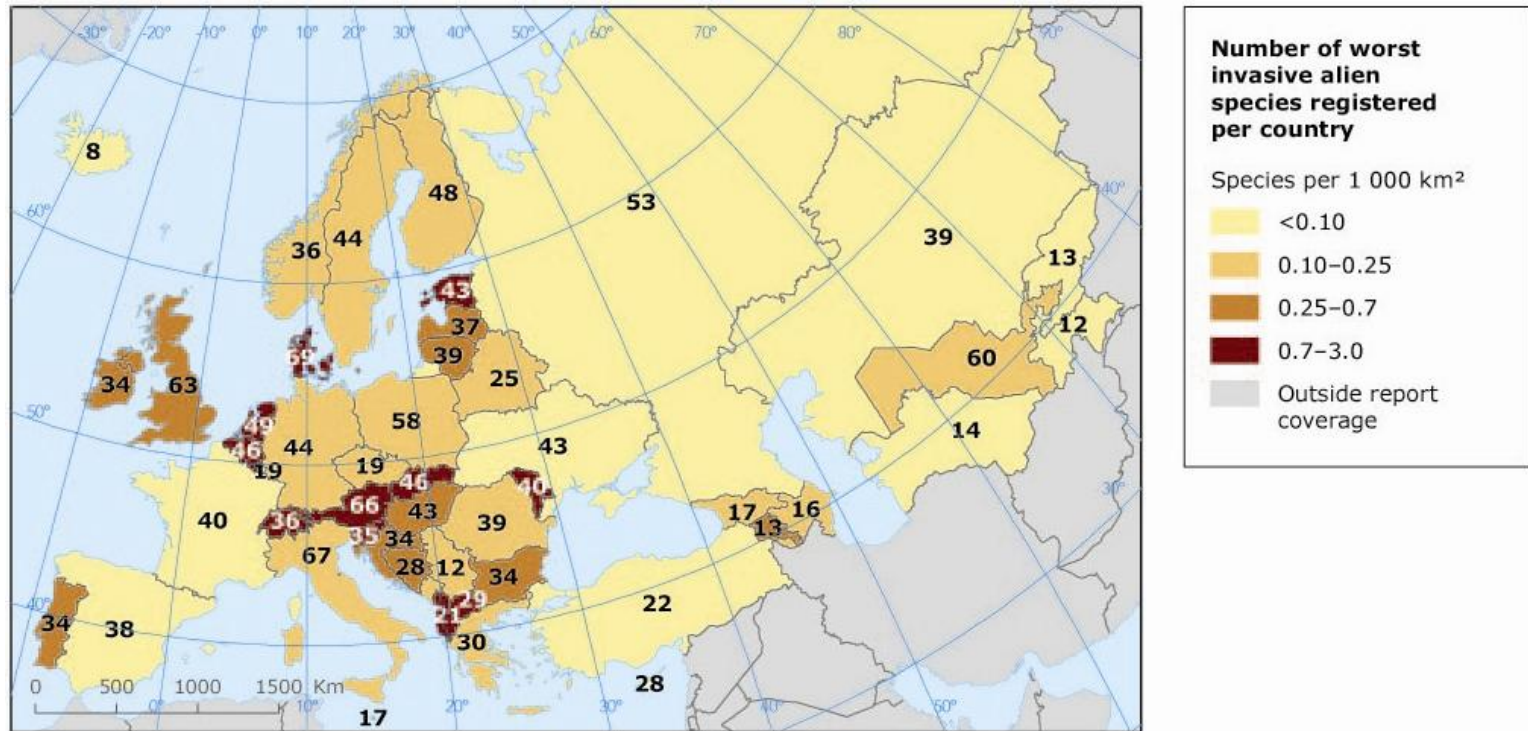
- ☀ SEBI 2010 details:
<http://biodiversity-chm.eea.europa.eu/information/indicator/F1090245995>
- ☀ SEBI 2010 technical report:
http://reports.eea.europa.eu/technical_report_2007_11/en
- ☀ sebi2010@eea.europa.eu



10. Invasive alien species in Europe



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Thank you

