





eLTER WHOLE SYSTEM RESEARCH AS ADDED VALUE

Novel, integrated data sets to anchor biodiversity data and trends

- 🌿 Environmental Standard Observations as explanatory variables for biodiversity change
 - ➔ Attribution of trends, support for management options
- 🌿 High potential for a nested design linking research with spatially representative, area-wide monitoring

Nodes for collaboration and integration across stakeholders (communities, domains...)

- 🌿 Data integration and creation of Information Clusters
 - ➔ Hotspots of seamlessly accessible data on long-term sites (global earth observation systems, e.g. GEOSS)
 - ➔ Own *in-situ* data plus data drawn from a wide range of other sources



🌿 **Example:** e-shape Showcase on Ecosystems

Collation of high quality datasets beyond eLTER and statistical analyses

🌿 **Example:** Haase, P., Bowler, D.E., Baker, N.J. et al. The recovery of European freshwater biodiversity has come to a halt. *Nature* 620, 582–588 (2023). <https://doi.org/10.1038/s41586-023-06400-1>

Shared infrastructure

🌿 IT, portals, analytical tools and virtual research environments



e-shape Ecosystems
Showcase



Haase et al. (2023)
Nature

