Motivation and Results

We generate and analyze systemic long-term biodiversity and environmental data and trends (approx. 10-100 years).

- Leading roles in LTER networks and international research activities
- We supported to bring the European LTER network (eLTER RI) on the ESFRI roadmap
- Leading roles in developing and harmonizing monitoring methods and frameworks for systemic long-term ecological research

Contribution to SGN Program Portfolio

- Which methods and frameworks are most applicable for the systemic monitoring of long-term ecological changes?
- Advancements in the understanding of nature by integrating geological and biological sciences (Geobiodiversity research)
- Ideal “Model Regions” for the future RF “Anthropocene Biodiversity Loss”.
- Cooperations with RA 1.1, 2.2, 3.1, 3.3

North Sea Benthos Observatory (1970)
Rhine-Main-Observatory (2001)
City of Frankfurt Observatory (1985)
DFG-Biodiversity Exploratories (2007)

Outlook

- Expand leading role in biodiversity time series analyses (in situ environmental drivers; traits)
- Develop “Essential Ecosystem Variables” (eLTER PLUS project) & expand and further harmonized in situ monitoring in the SGN observatories
- Establish eLTER RI at a continental scale (eLTER PPP project) & implement social-ecological research and stakeholder engagement.