



SENCKENBERG
world of biodiversity

Senckenberg Gesellschaft für Naturforschung (SGN)



www.senckenberg.de

WHO WE ARE

The Senckenberg Gesellschaft für Naturforschung, established in 1817, is a private society with an international reputation in all fields of natural history research. It runs six research institutes and three museums in Germany with over 500,000 visitors each year. Senckenberg is also custodian of the UNESCO World Heritage Site at Messel and a member of the Leibniz Association. The society has around 750 full-time staff, 150 PhD students and over 500 guest scientists. With 37 million series the scientific collection are among the largest in Europe. Senckenberg runs different high-end laboratories of DNA analysis, isotope analysis, SEM, etc.

Senckenberg research covers all fields of biodiversity in marine, freshwater, and terrestrial (including soil) ecosystems worldwide. In all these fields, Senckenberg follows a multidisciplinary approach combining the latest molecular genetics and modelling techniques with experimental studies and integrates research across different scales, ranging from the laboratory to the mesocosm, and to the landscape approach.

WHAT OUR EXPERIENCE IS

Senckenberg has unique long-term biodiversity data from marine, freshwater, and terrestrial (including soil) ecosystems usually covering more than 20 years. With the Rhine-Main-Observatory Senckenberg runs a Long-Term-Ecological-Research (LTER) site, one of the very few LTER-sites focusing on river ecosystems.

Senckenberg and one of its institutes, namely the Biodiversity and Climate Research Centre, have outstanding experience in analyzing and modelling long-term ecological data on all levels of biodiversity (gene, species, and ecosystem) and in developing sound monitoring systems.

WHAT WE DO IN EU BON

- » With the LTER-site, "Rhine-Main-Observatory" (RMO), we provide a central European testing site. Long-term ecological research in the RMO mainly focuses on a Central European river and floodplain ecosystem.
- » Analysis of status and trends and in modelling the distribution of biodiversity.

IN EU BON WE MAINLY CONTRIBUTE TO

- WP 3** Improving tools and methods for data analysis and interface
- WP 4** Link environment to biodiversity: analyses of patterns, processes and trends
- WP 5** Implementation of GEO BON: strategies and solutions at European and global levels



WE ARE ALSO INVOLVED IN

- » BIOTA
- » UNDESERT
- » MESMA
- » EnvEurope
- » LOEWE BiK-F
- » GIBIF-D

Prof. Dr. Peter Haase

- » Head of Department of River Ecology and Conservation
- » Professor at the Faculty of Biosciences at the University of Frankfurt
- » Vice-Chair of LTER-D
- » Research interests: River and Floodplain Ecology; Restoration ecology

Dr. Stefan Stoll

- » Treasurer of LTER-D
- » Researcher at the Department of River Ecology and Conservation
- » Research interests: Ecology of aquatic invertebrates and fishes; Effects of climate change in aquatic ecosystems; Effects of hydrodynamic stress; Spread of aquatic neozoa