

## WHO ARE WE

**14** international partners from  
**11** countries

-  Naturalis Biodiversity Center (NATURALIS)
-  Royal Botanic Garden Edinburgh (RBGE)
-  Meise Botanic Garden (MeiseBG)
-  Helmholtz Centre for Environmental Research
-  e-Science European Infrastructure for Biodiversity and Ecosystem Research (LifeWatch ERIC)
-  Pensoft Publishers (PENSOFT)
-  The European Land Conservation Network (Eurositer)
-  University of Tartu (UTARTU)
-  Stichting Catalogue of Life (COL)
-  The International Hellenic University (IHU)
-  The Senckenberg Nature Research Society (SGN)
-  The Environment Agency Austria (EAA)
-  The National Research Council (CNR)
-  SIB Swiss Institute of Bioinformatics (SIB)



### PROJECT COORDINATOR

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### DURATION

1 March 2025 – 28 February 2029

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Research and Innovation SERI

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## WHAT WE DO

BMD is turning biodiversity data into actionable insights to support natural resource managers and policy makers. Biodiversity data is being collected, aggregated and mobilised, then harmonised and packaged into easy-to-use data cubes. These are stored and processed in a cloud-based Biodiversity Data Space, which includes tools to explore, visualise, and analyse information across land, freshwater, and marine ecosystems.

This all comes together in BMD's Single Access Point – a one-stop digital toolbox for natural resource managers and policy-makers. Tools and services are being co-designed with stakeholders to ensure they meet real-world needs, with dedicated training supporting their adoption across the community.

### The Single Access Point will provide access to:



High-throughput biodiversity monitoring tools, including camera traps, acoustic devices, and eDNA sampling, combined with AI-based taxon identification



Tools to mobilise historical and newly collected biodiversity data into FAIR data repositories



Co-designed data analysis and visualisation tools for terrestrial, freshwater, and marine ecosystems, and applicable at local, regional, national, and European scales

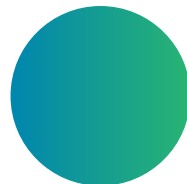


A Web-GIS Map Viewer for intuitive exploration, integration, and visualisation of harmonised biodiversity data and analysis results across multiple ecosystems

## WHY WE DO IT

The European Union (EU) has been working to protect nature for decades, with the Natura 2000 network now safeguarding over 18% of EU land and 9% of its marine territory. Yet, biodiversity is still in trouble, with only 50% of bird species and 15% of habitats in good conservation status. The main threats to biodiversity include land and sea use changes, direct exploitation, climate change, pollution, and invasive species.

To turn the tide, the EU's Biodiversity Strategy for 2030 will enlarge existing Natura 2000 areas, implement the EU's first-ever Nature Restoration Regulation, and introduce concrete measures to achieve global biodiversity targets. Success will depend on enhancing biodiversity monitoring, making better use of data for decision-making, and gaining a clearer picture of how nature is changing.



## GET INVOLVED

We are committed to working hand-in-hand with stakeholders through a dynamic programme of engagement activities designed to inform, inspire and involve. Guided by principles of inclusivity and ethical collaboration, our approach values diverse perspectives across cultures, nationalities, genders and backgrounds. By taking part, stakeholders will play a central role in shaping the design and delivery of the Single Access Point, ensuring it meets real-world needs.

