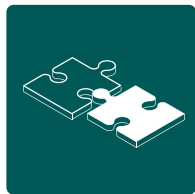# BIODIVERSITY BUILDING BLOCKS FOR POLICY

CHALLENGES

The global biodiversity crisis requires rapid, reliable and repeatable biodiversity monitoring data which decision makers can use to evaluate policy.

OPPORTUNITIES

Such information – from local to global level and within relevant timescales – calls for an improved integration of data on biodiversity from different sources.
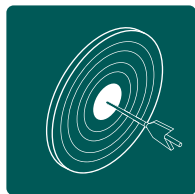
AIM

B-Cubed is standardising access to biodiversity data, empowering policymakers to proactively address the impacts of biodiversity change.

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APPROACH

B-Cubed aims to transform biodiversity monitoring into an agile and responsive process by:

Policy alignment

Working closely with existing biodiversity initiatives to identify and address policy needs.

Evidence base

Providing fast access to pre-aggregated and modelled biodiversity data and standardised biodiversity indicators responsive to the addition of new data.

Automated workflows

Packaging known methods together into standardised workflows that can be run by anyone for any region and can be updated.

Cloud computing

Enabling models that allow researchers to configure and calculate species occurrence cubes on demand in a cloud computing environment.

Capacity building

Developing a number of guidelines, training programs and activities to train a new generation of data scientists.

Case studies

Demonstrating the effectiveness of its solutions in four case studies, varying in geographic extent, biodiversity richness and data availability.

PARTNERS

- Meise Botanic Garden
- Global Biodiversity Information Facility
- Research Institute for Nature and Forest
- University of Bologna
- Justus Liebig University Giessen
- Ovidius University of Constanța
- South African National Biodiversity Institute
- Stellenbosch University
- Pensoft Publishers
- Martin Luther University of Halle-Wittenberg
- French Institute for Research in Computer Science and Automation
- University of Aveiro
- La Trobe University

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DURATION

1 March 2023 – 31 August 2026