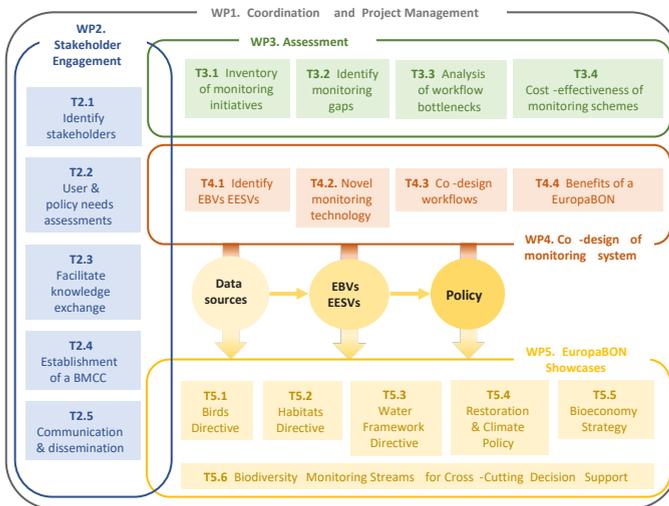


## Work packages and tasks



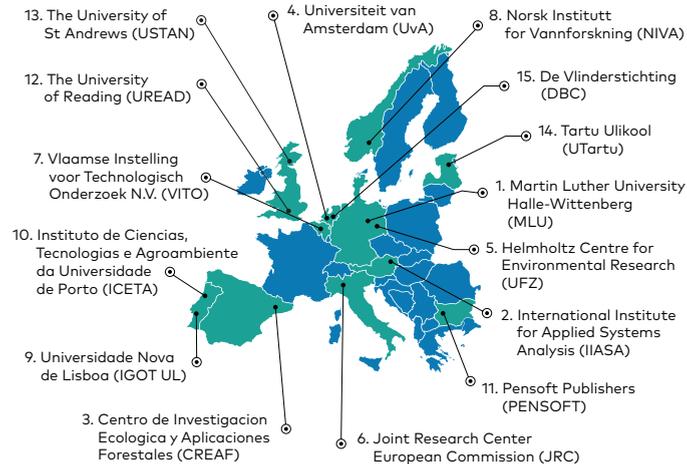
EuropaBON is structured into five different work packages (WPs), each subdivided into specific tasks. WP1 oversees the coordination and management of the project. Drawing on the user needs identified in WP2, WP3 assesses different sources for existing biodiversity monitoring data in Europe to identify their current gaps and bottlenecks.

WP4 builds on WP3 to deliver a new design for biodiversity monitoring in Europe, by improving existing monitoring schemes to become more representative, maximize benefits and become better integrated into wider biodiversity policy. The policy examples showcased in WP5 will demonstrate how EuropaBON could contribute to various major environmental policies of the EU by using the new design from WP4.

# EUROPABON

## CONSORTIUM

15 partners from 8 European Union countries, Norway and the UK



## DURATION

December 2020 – November 2023

## PROJECT COORDINATOR

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## KEYWORDS

co-design, cost-effectiveness, EU policy, Essential Biodiversity Variables (EBVs), Essential Ecosystem Services Variables (EESVs), innovation, integration, stakeholder engagement

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# EUROPABON

**Europa Biodiversity Observation Network: integrating data streams to support policy**

**A multi-partnership initiative for monitoring ecosystems through research, innovation and technology**



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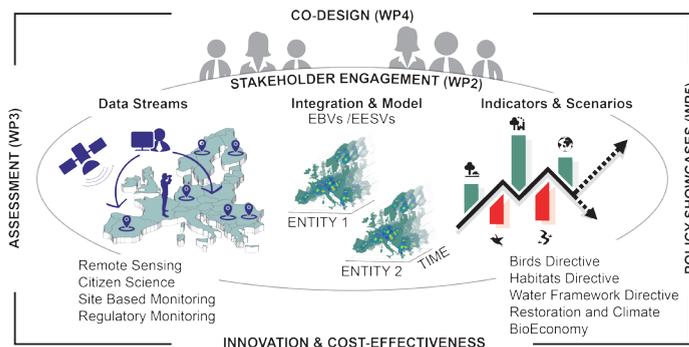
## What is the challenge?

European countries and regions have invested substantial amounts of resources into biodiversity conservation and knowledge. However, there continues to be limited availability at the EU-scale of harmonized, long-term, spatially explicit and regularly updated biodiversity data. This limits the uptake by policies and sectors that have an impact on biodiversity or that can mitigate biodiversity loss.

## How will EUROPABON address this challenge?

EuropaBON builds on stakeholder engagement and knowledge exchange to:

-  Identify user and policy needs for biodiversity monitoring;
-  Design a Europe wide biodiversity monitoring system that integrates observations from multiple sources with models to produce datasets for Essential Biodiversity Variables (EBVs) and Essential Ecosystem Service Variables (EESVs) and associated knowledge tools.



## More specifically, EUROPABON will:

-  Build on stakeholder engagement and knowledge exchange to identify user and policy needs for biodiversity monitoring;
-  Assess current monitoring efforts to identify gaps, data and workflow bottlenecks, and analyze cost-effectiveness of different monitoring schemes;
-  Adopt the GEO BON framework for the development of EBVs and EESVs across the EU to support policy;
-  Design a European biodiversity monitoring system to integrate in-situ and remote sensing data through models;
-  Demonstrate the operationalization of EBVs and EESVs for policy through showcases, including policy-relevant indicators to assess progress in biodiversity targets, short-term biodiversity and ecosystem services forecasts, and scenarios;
-  Develop the terms of reference for a European Biodiversity Monitoring Coordination Centre (BMCC) to support and guide biodiversity observation networks in member states.

## The Group on Earth Observations Biodiversity Observation Network (GEO BON)

GEO BON is a global biodiversity observation network that contributes to effective management policies for the world's biodiversity and ecosystem services. GEO BON's mission is to improve the acquisition, coordination and delivery of biodiversity observations and related ecosystem services to users including decision makers and the scientific community.

GEO BON's foundation rests on two main pillars:

### 1. Essential Biodiversity Variables (EBVs)

-  Derived measurements required to study, report, and manage biodiversity change, focusing on status and trend in elements of biodiversity;
-  Organized around six classes: Genetic Composition, Species Populations, Species Traits, Community Composition, Ecosystem Structure, and Ecosystem Function.

### 2. Biodiversity Observation Networks (BONs)

-  Aim to improve coordination and harmonization of already existing or new observation systems;
-  Organized around three categories: thematic-, national-, and regional BONs.



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**GEO BON**  
Group on Earth Observations  
Biodiversity Observation Network

[www.geobon.org](http://www.geobon.org)