EUROPABON

Europa Biodiversity Observation Network

EuropaBON: Designing a biodiversity monitoring system for Europe

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26 May 2021, EuropaBON 1st Stakeholder Workshop

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MARTIN-LUTHER-UNIVERSITÄT
HALLE-WITTENBERG

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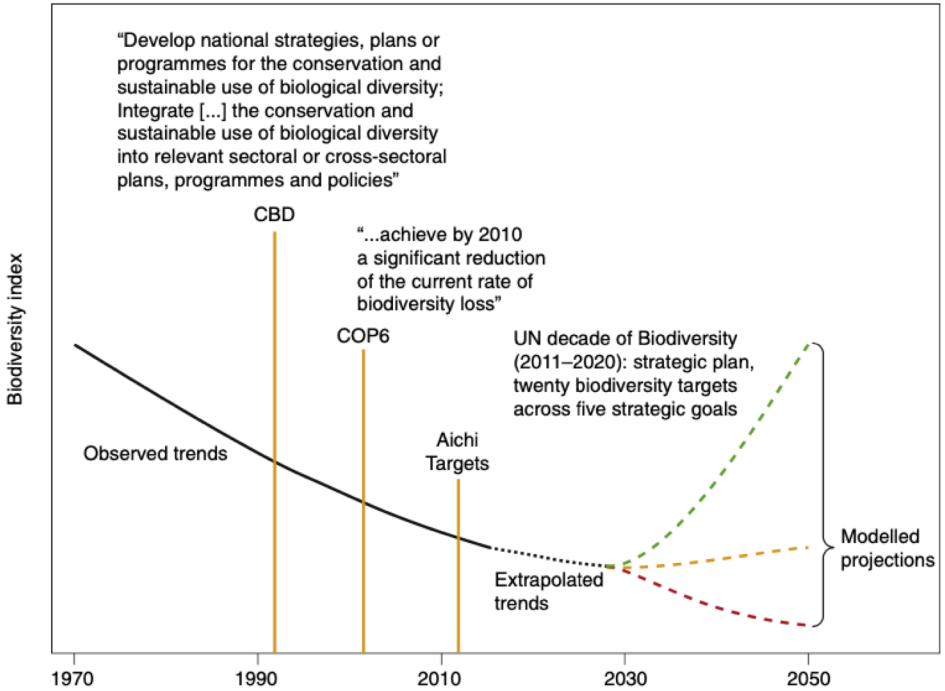
The biodiversity challenge



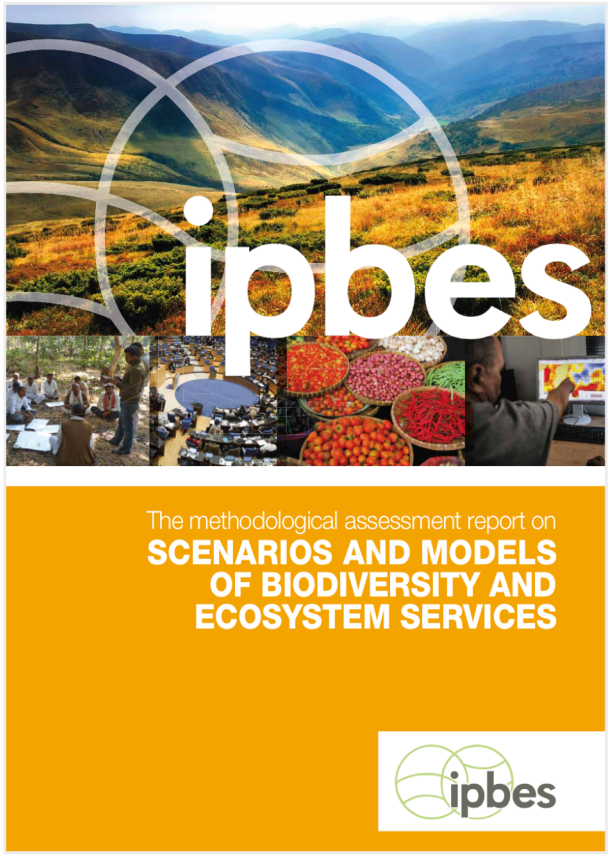
Mace et al. (2018) Conservation Letters

Climate change, biodiversity, food security, deforestation and land degradation go together. We need to change the way we produce, consume and trade. Preserving and restoring our ecosystem needs to guide all of our work. We must set new standards for biodiversity cutting across trade, industry, agriculture and economic policy

Ursula von der Leyen

The monitoring challenge

- Biodiversity change has complex spatial scaling patterns and temporal dynamics
- Biodiversity monitoring data is still very sparse in time and space and covers only some taxa
- Limited use of models and scenarios in biodiversity trend analysis and policy support
    - Opportunities for innovation!

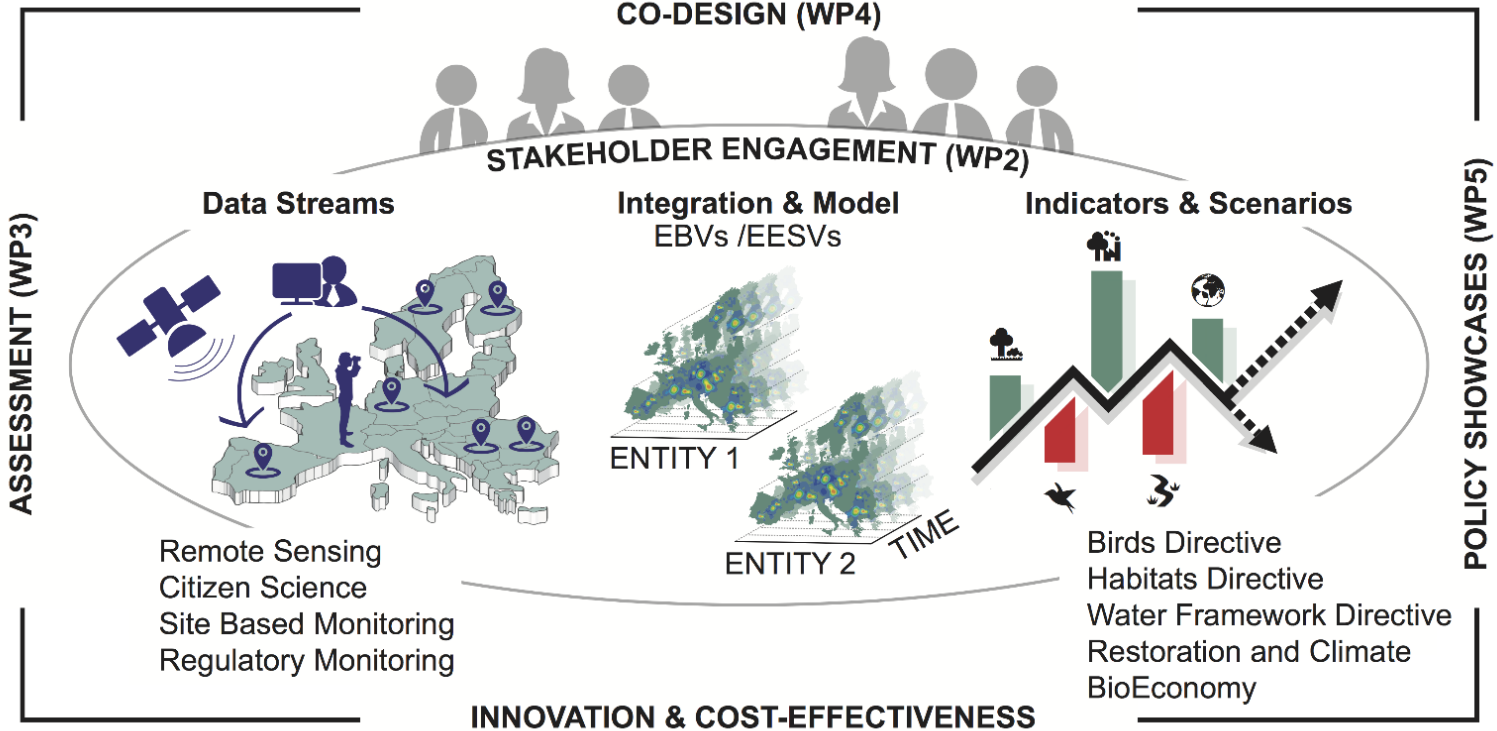


The SC5-33-2020 Call: Monitoring ecosystems through research, innovation and technology

- Many EU policies rely on the supply of regularly updated biodiversity data
- The **challenge** is therefore to harness scientific advances and **bring together various actors** to strengthen current efforts and devise a **cost-effective** approach to monitoring **combining in-situ, space and air-born monitoring**
- The action should design an **EU-wide framework for monitoring biodiversity and ecosystem services**

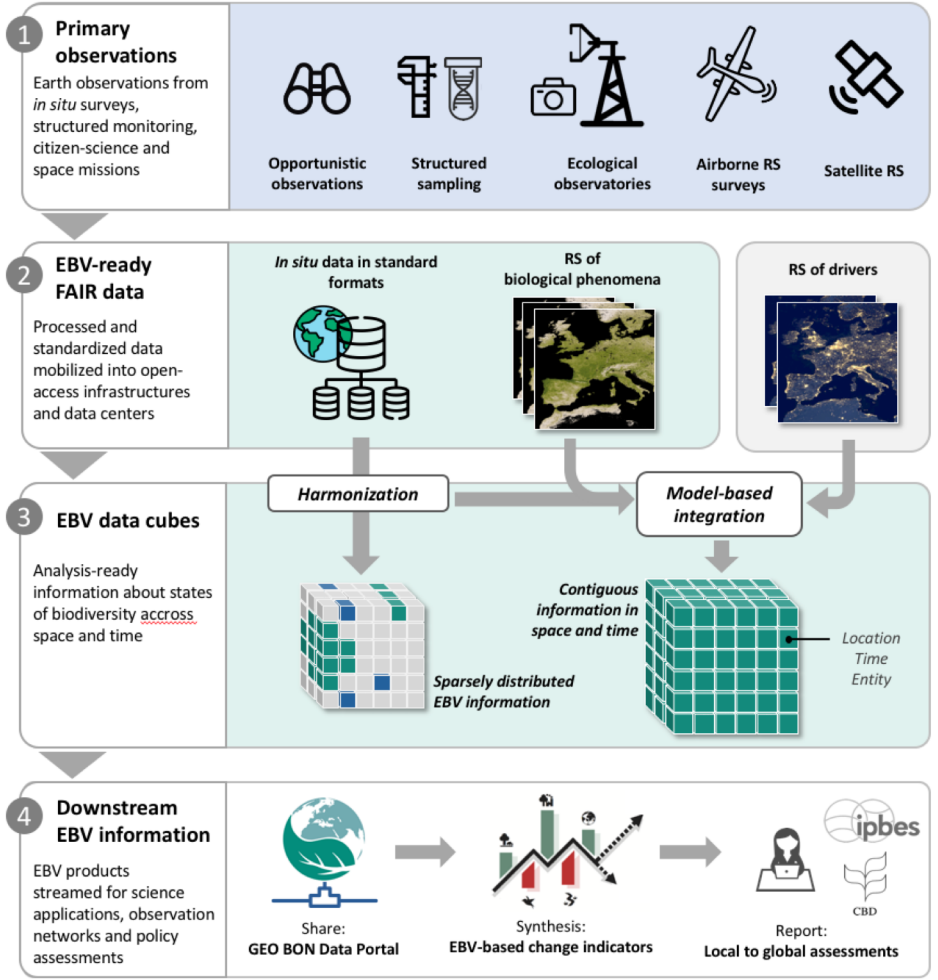
Horizon 2020 Programme

The EuropaBON project



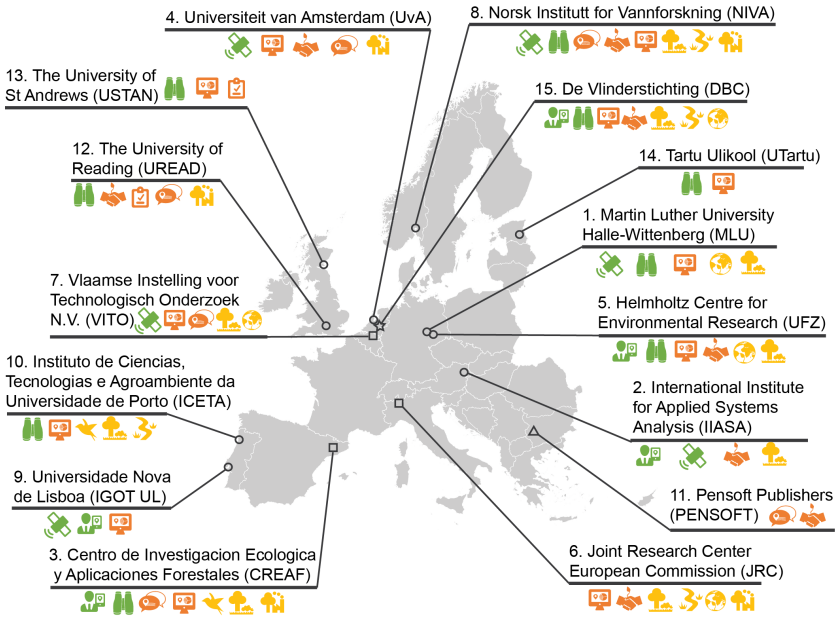
The Essential Biodiversity Variables approach

- Integration of multiple data streams and biodiversity observations in open platforms
- Data-model fusion to produce biodiversity change variables across space, time and biological entities
- Indicator analysis possible at multiple levels of spatial aggregation



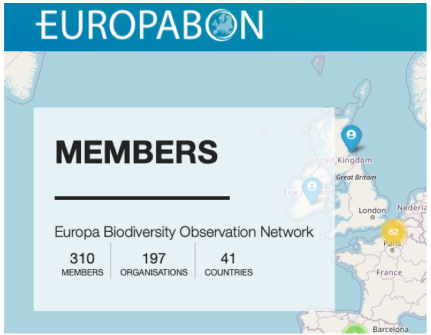
A network of actors in EuropaBON

Project partners

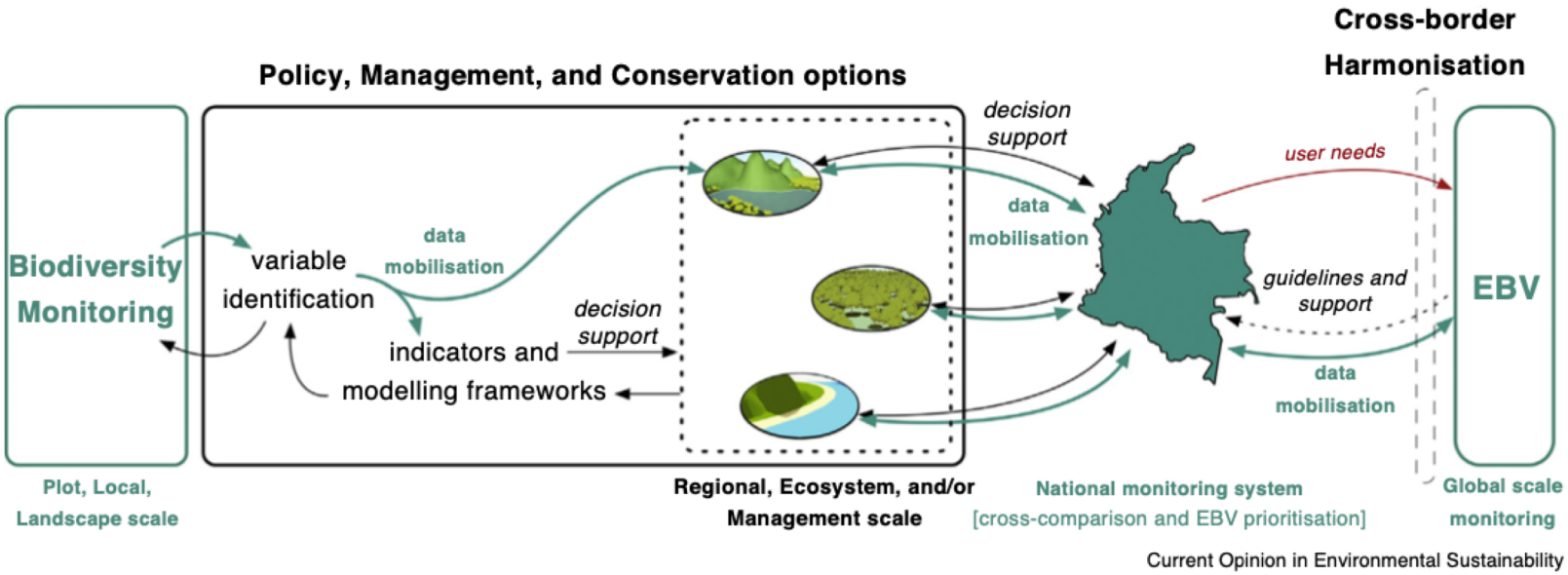


Stakeholder Consultancy Group

European Environment Agency
eurostat
ENV
biodiversa
Microsoft
GBIF
esa
Republic of Estonia Environment Agency
defra
Department for Environment Food and Rural Affairs
ICNF
DLR
EUROPABON

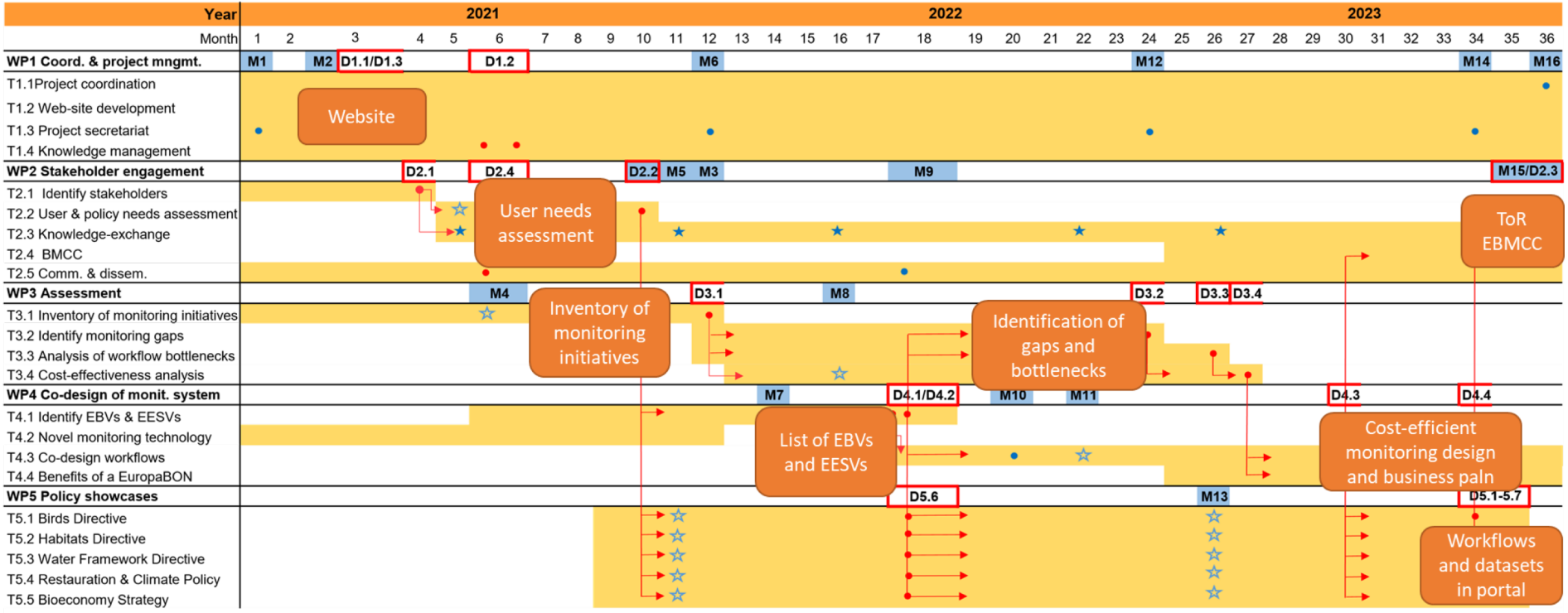


Assessing user and policy needs for biodiversity monitoring



Navarro et al. 2017

The work plan



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The 1st stakeholder workshop

- Day 1 – conference
  - Policy needs: Europe and national
  - Assessment of existing monitoring
  - Designing EBV workflows
- Day 2 - workshop
  - General user and policy needs
  - Assessment of data providers
- Day 3 – workshop
  - Co-design of EBV wishlist
  - Overcoming gaps and bottlenecks t


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