Biodiversity Data Cubes for Cross-Cutting Science and Policy

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iDiv/MLU
Facts

Biodiversity is declining

The planet is warming

Evidence-based policymaking

Knowledge4Policy
Science4Policy
Smart4Policy

Biodiversity Building Blocks for policy

Global challenges

European Commission

Funded by the European Union
Aim

To support rapid, reliable and repeatable biodiversity monitoring data which decision makers can use to evaluate policy.

How?

Essential Biodiversity Variables


Species occurrence cubes

>2.6 billion species occurrence records from 2,195 publishing institutions
First outcomes

**Cube generation software**

This feature implementation will continue throughout 2024.

- Making cubes on Ms Azure Databricks

- **GBIF API SQL Downloads**
  - API SQL Downloads – Functions Data Cubes

**B-Cubed workflows**

To operationalize models and indicators while ensuring consistent and repeatable results for policy.

- Alignment with policy and other biodiversity initiatives
- Biodiversity Indicators
- Modelling Scenarios - Present and future climate

**B-Cubed Hackathon**


**Impacts of alien taxa indicators**

**Suitability cube**
Thank you!

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