ESP-mapping.net
An interactive knowledge platform for ecosystem service maps

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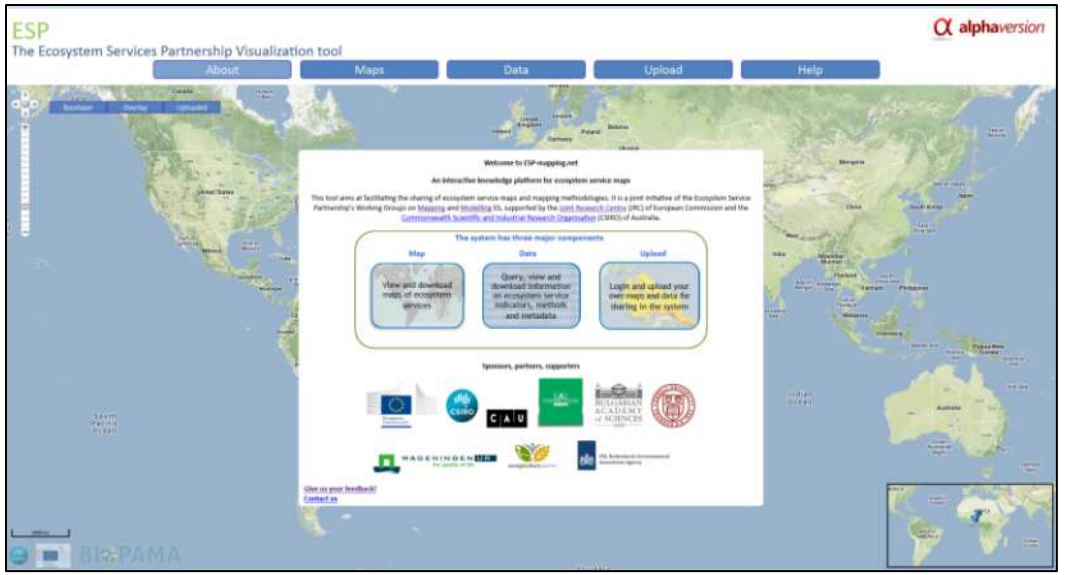
European Commission
CSIRO
ecoagriculturepartners
CAU
BULGARIAN ACADEMY of SCIENCES
PBL Netherlands Environmental Assessment Agency
WAGENINGEN UR
For quality of life

Overview

- ESP Tool background
- Other tools
- Aim of the ESP Tool
- ESP Tool functions and structure
- Next steps



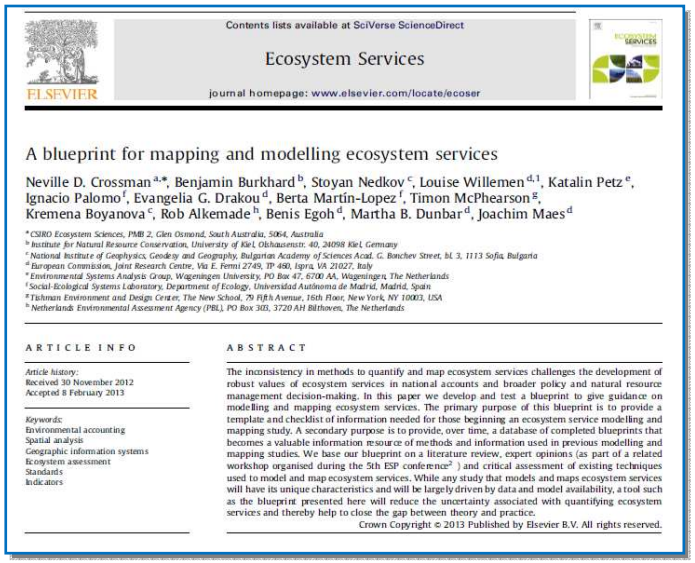
Tool Background

Ecosystem Services Partnership (ESP) a "worldwide network to enhance the science and application of ecosystem service assessments"

- Organized by member-led Thematic and Biome Working Groups
- Annual conferences to share findings and ideas

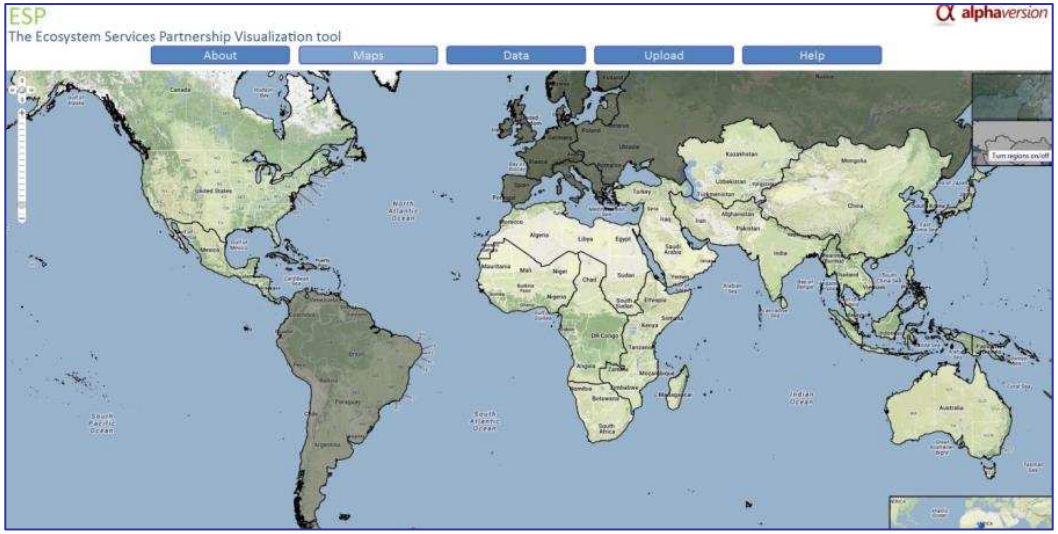
ESP Mapping Working Group published **ecosystem service mapping blueprint** (Crossman et al., 2013)

- A call for more consistency and transparency in ES quantification and mapping efforts



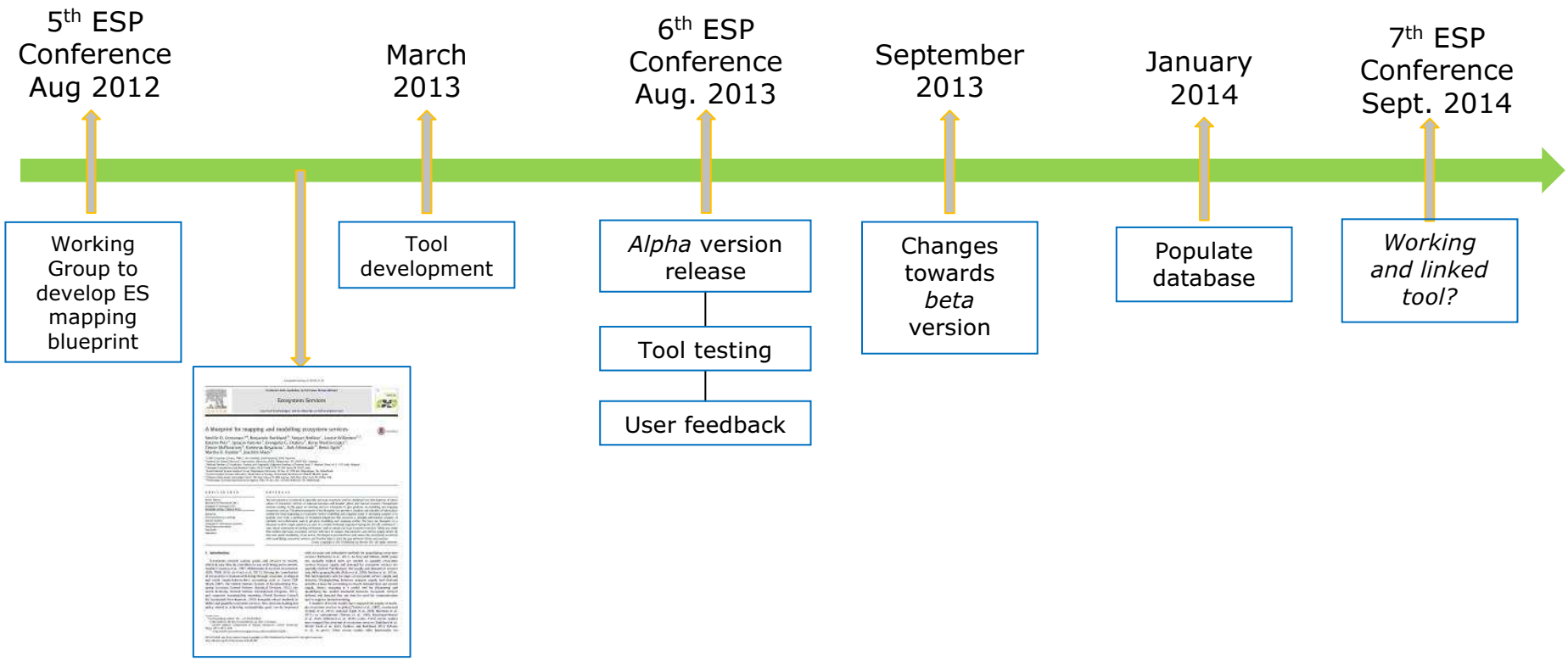
Tool Background

ESP through the Joint Research Centre of the EC, and partners, works on an online tool to **collect** and **share** ecosystem services **maps** and information on mapping **methods** and underlying **data**



European Commission

Brief History



Other tools

Mapping Tools

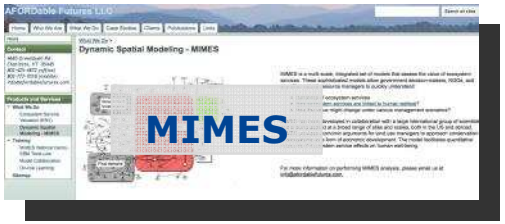
Data Catalogue Tools

Thematic Tools

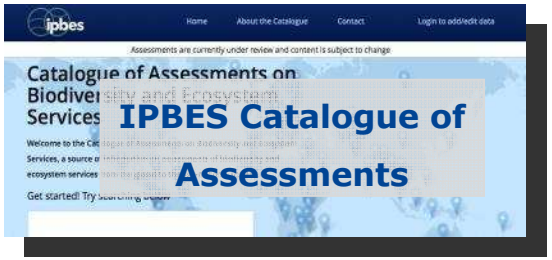
e.g. Economic Valuation

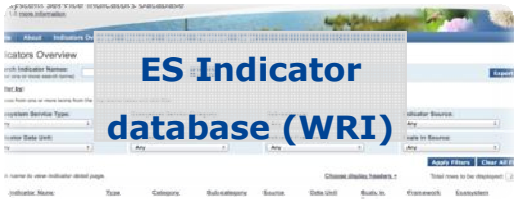
Other tools

Mapping Tools

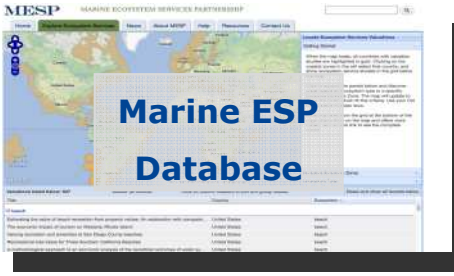


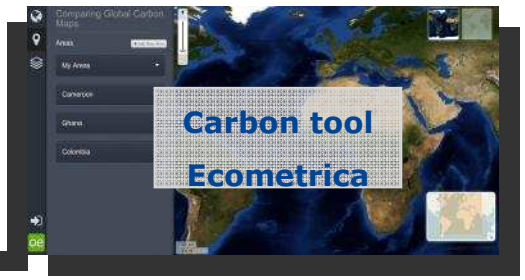
Data Catalogue Tools





Thematic Tools





Aims of the ESP Tool

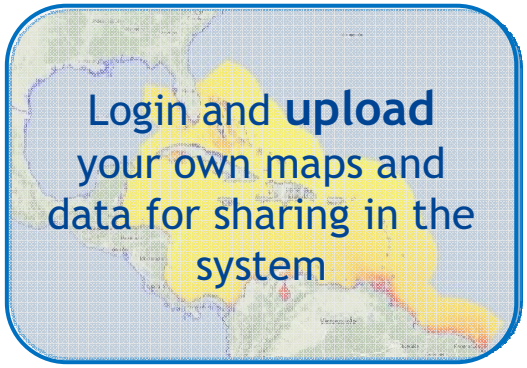
- *Provide* **ES maps.**
- *Provide* information on ecosystem service mapping and modeling **methodologies**.
- *Collect* information on ES studies, maps, indicators, models and primary data used.
- Allow for *interaction* among tool users (scientists and practitioners)

Tool functions & structure

Functions

Query, view and download information on ecosystem service **maps, methods and metadata**

View and **download maps** of ecosystem services



Login and **upload** your own maps and data for sharing in the system

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Under Construction

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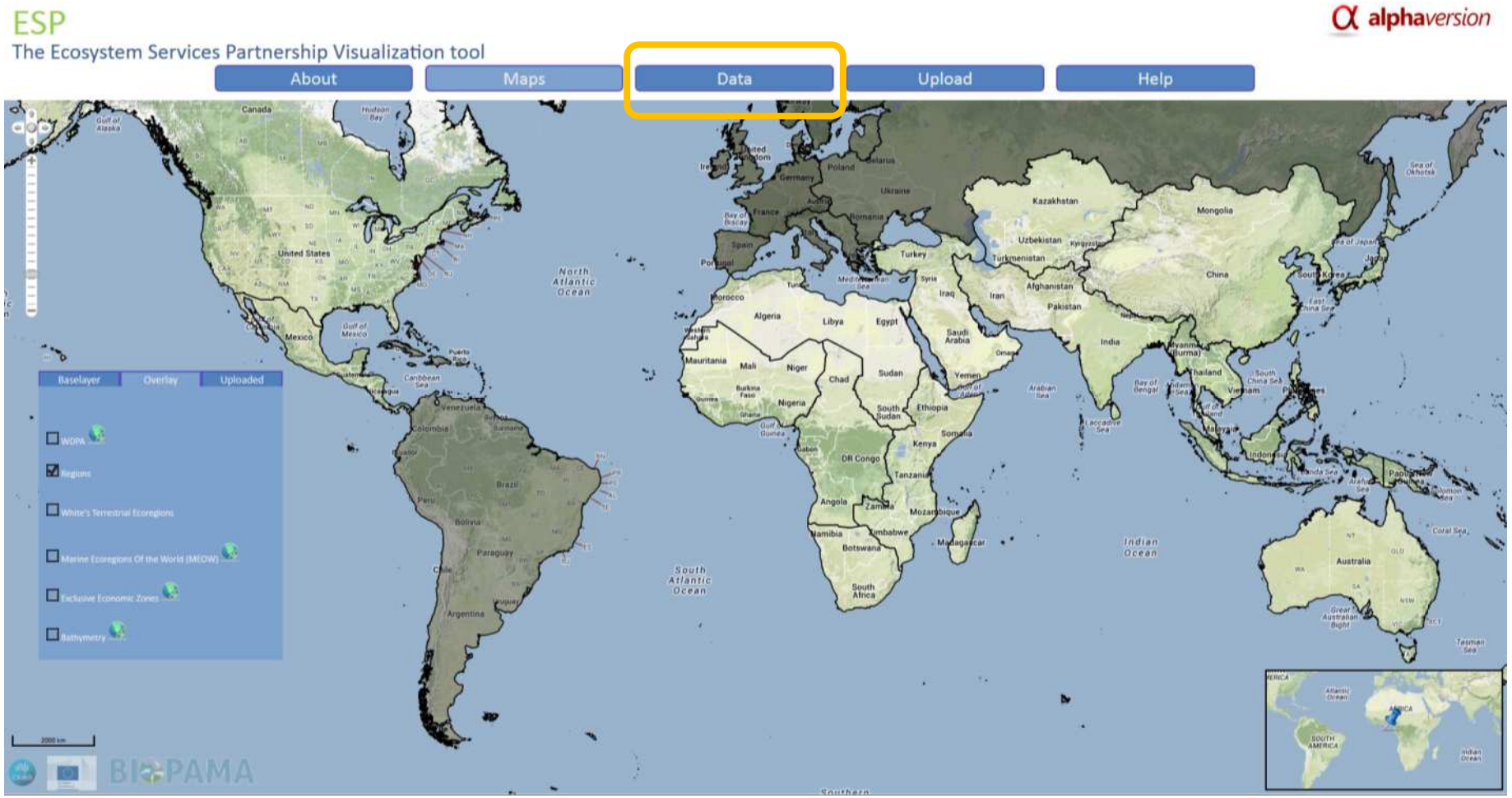
Tool functions & structure

1. Data search



Tool functions & structure

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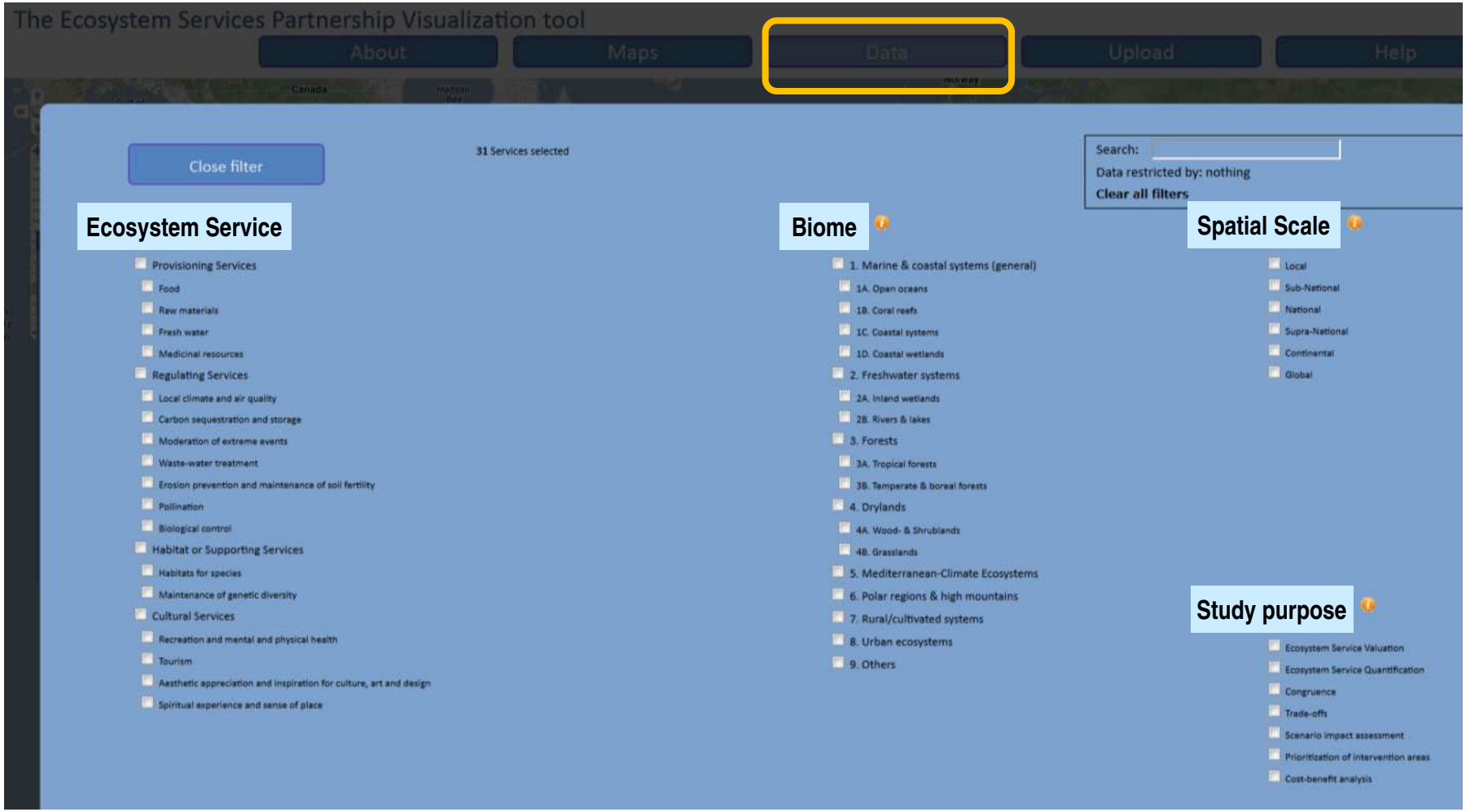

Link

Tool functions & structure

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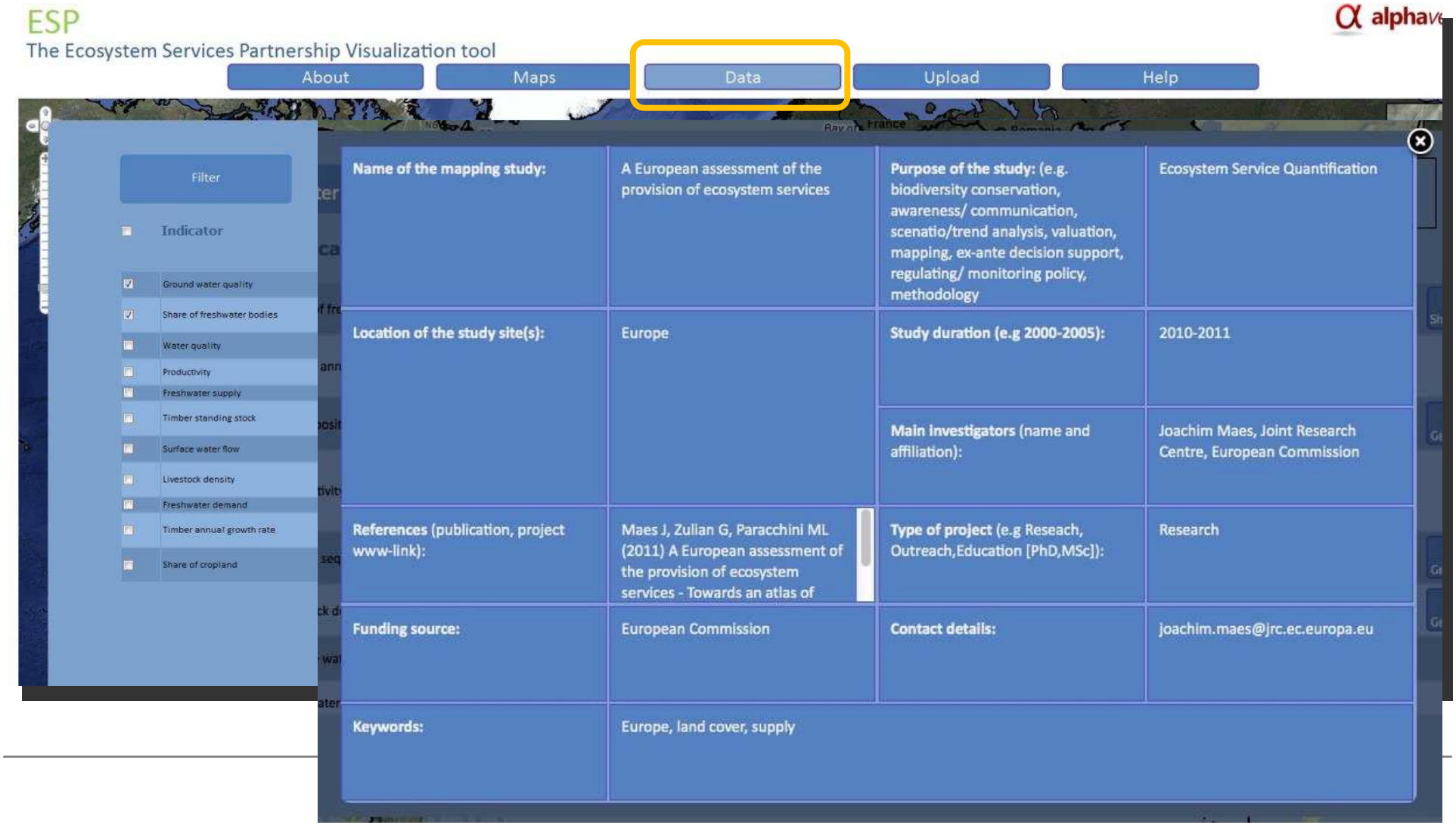

Tool functions & structure

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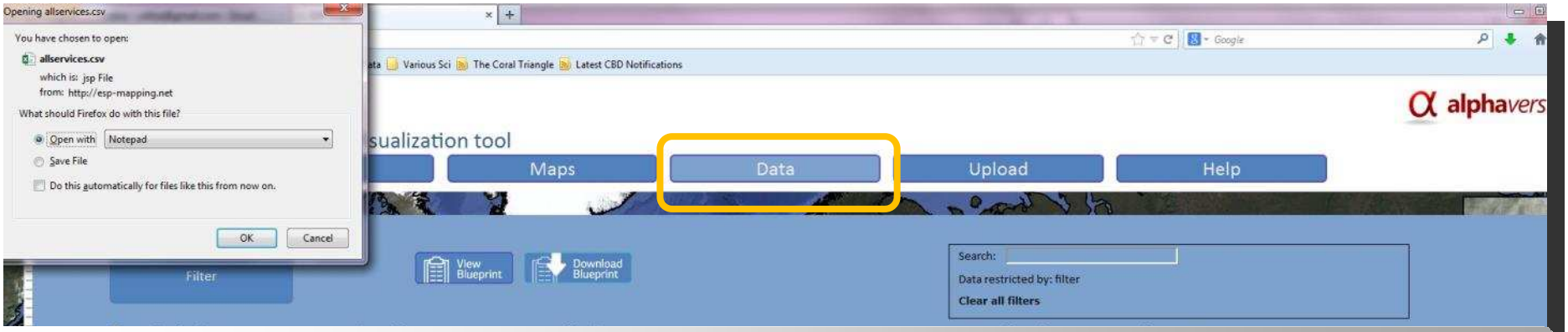
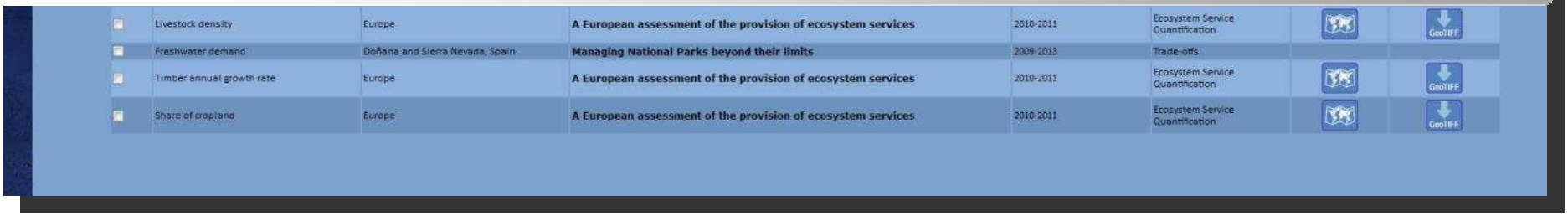
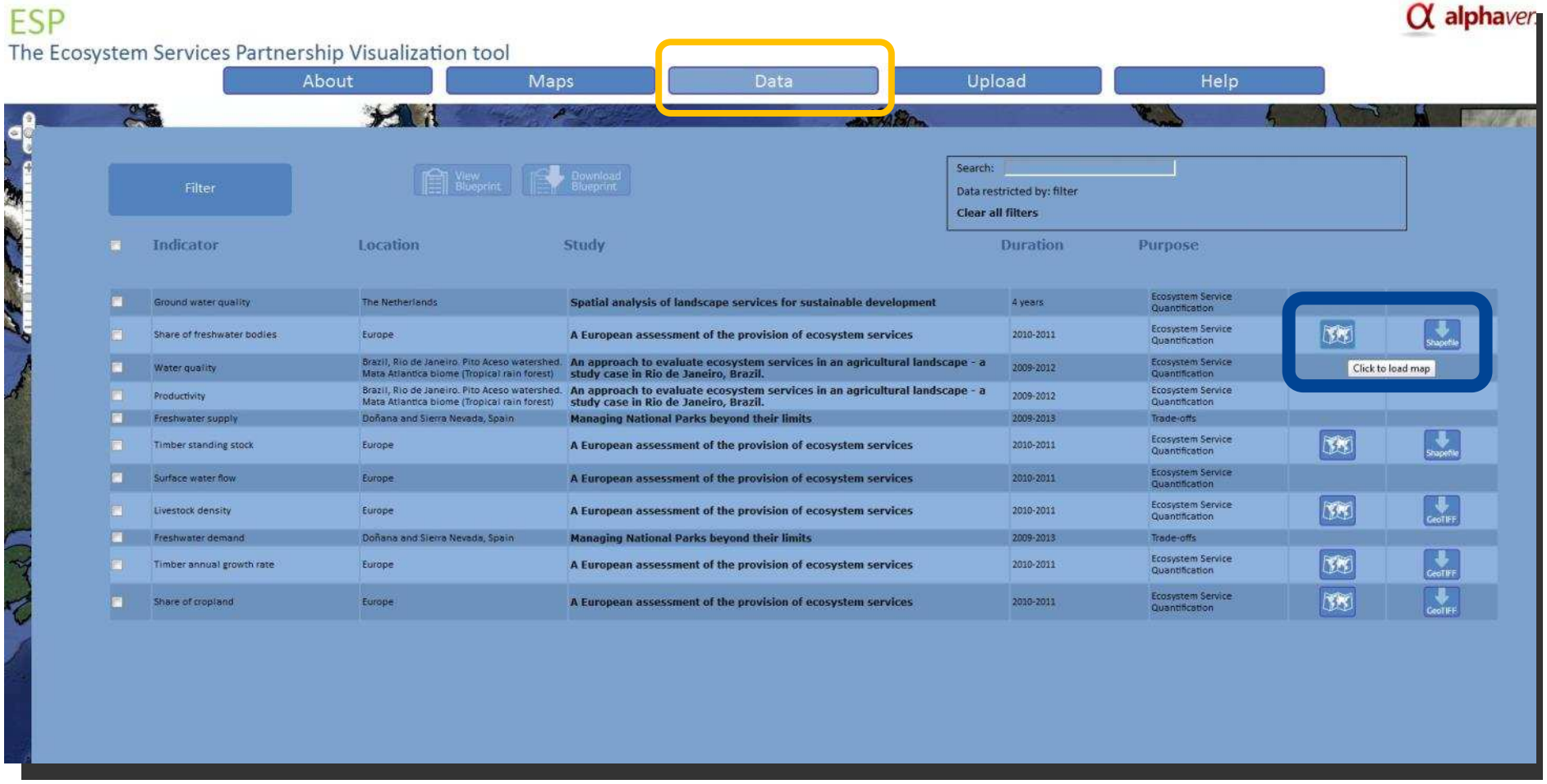


Mapped ecosystem service	Ecosystem Service Indicator	Accounting definitions		Quantification unit			Input Data source	Quantification mehod	Spatial details			Mapped year or period	Study objective met	Comments
		Type	Beneficiary	Quantity	Area	Time			Scale	Extent	Resolution			
Provisioning Services														
Fresh water	Share of freshwater bodies	Flow	Supply	%	Ha		CORINE land cover http://www.eea.europa.eu/data-and-maps/data#c12=corine+land+cover+version+13	Collection of primary data (e.g. tourist counts, species observations)	Continental	17,882,940 sqkm	1ha	2000 - 2000	Disagree	
Fresh water	Ground water quality											-		



Tool functions & structure

2. Data view



Tool functions & structure

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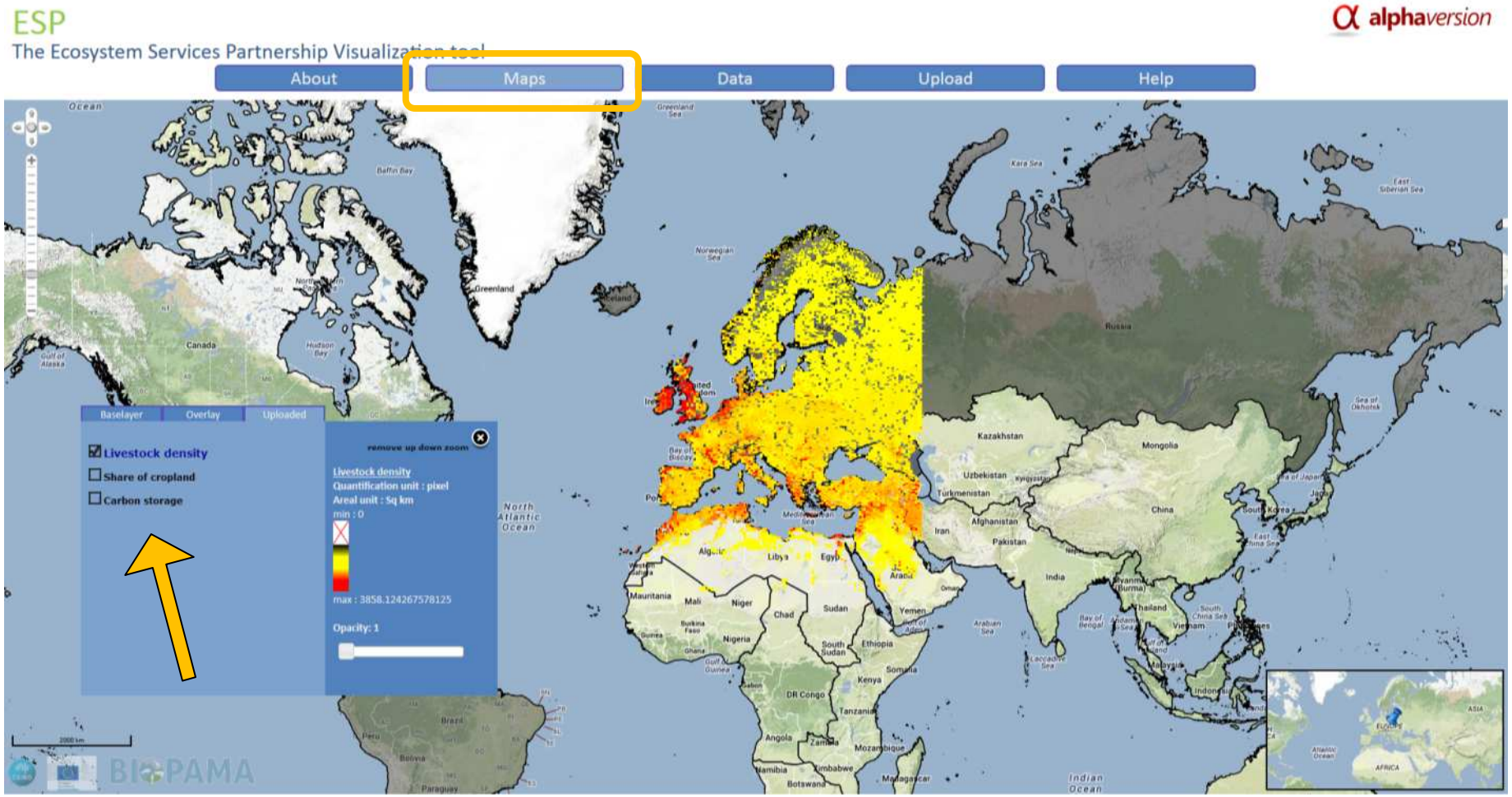
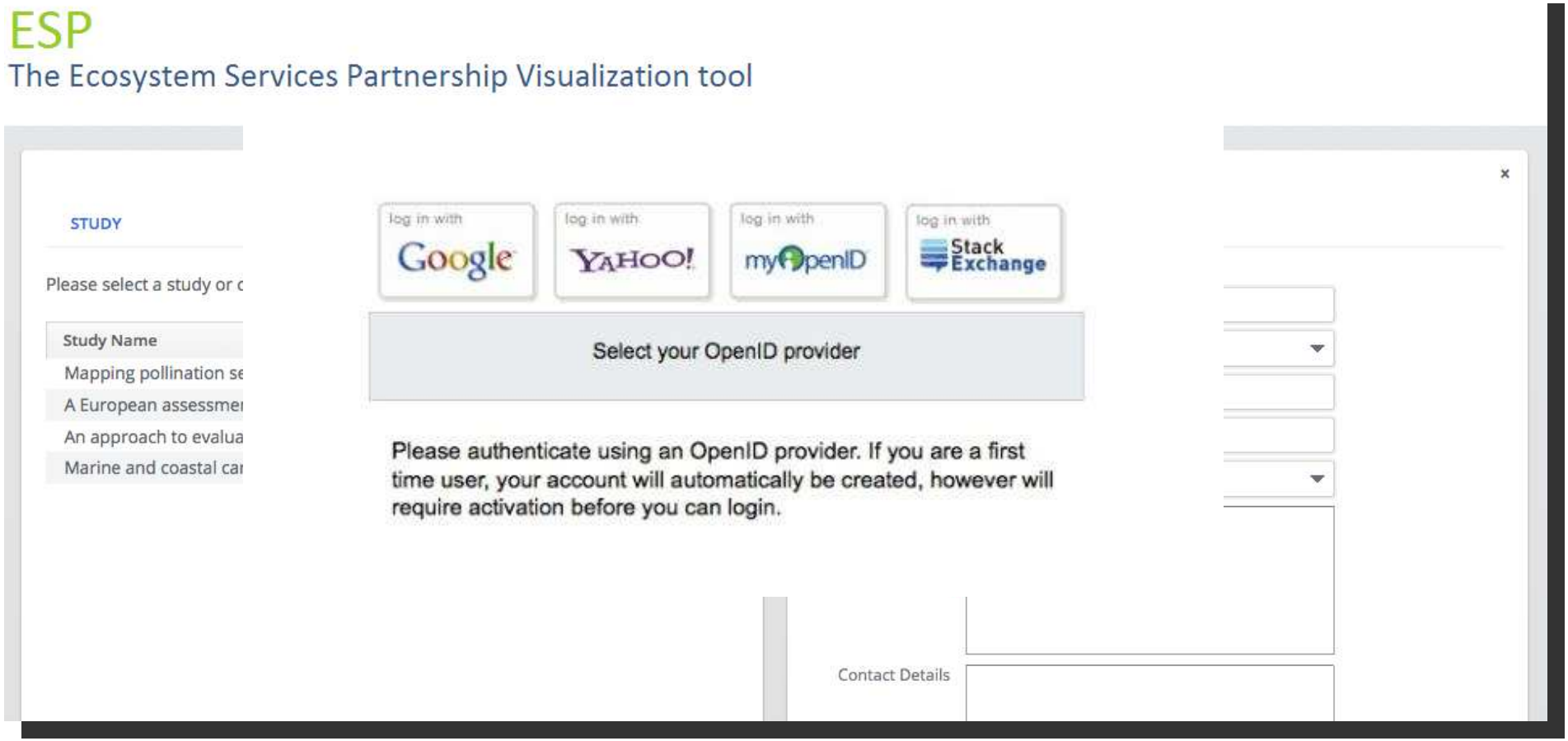


Tool functions & structure

3. Data upload



Tool functions & structure

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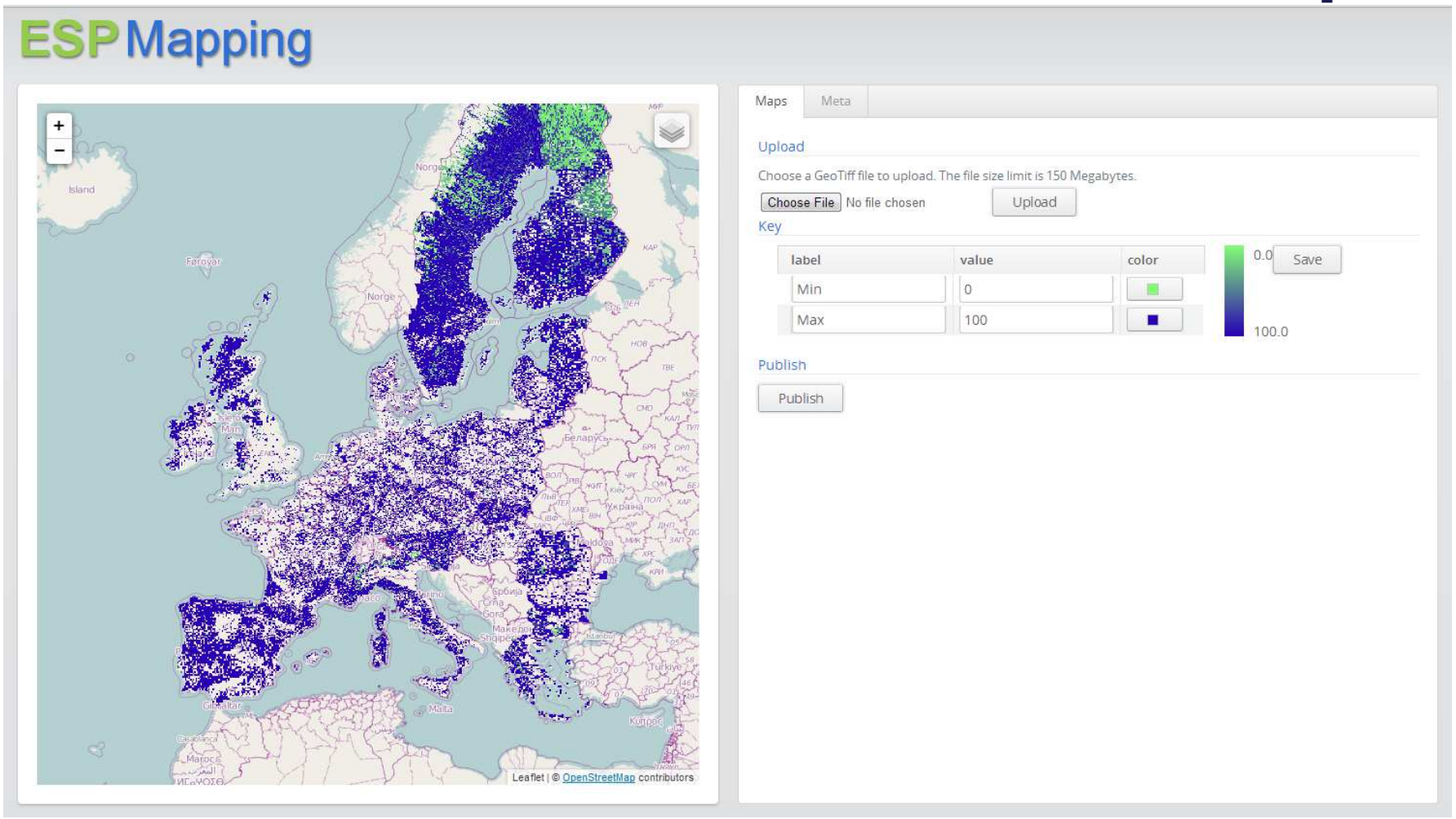

Tool functions & structure

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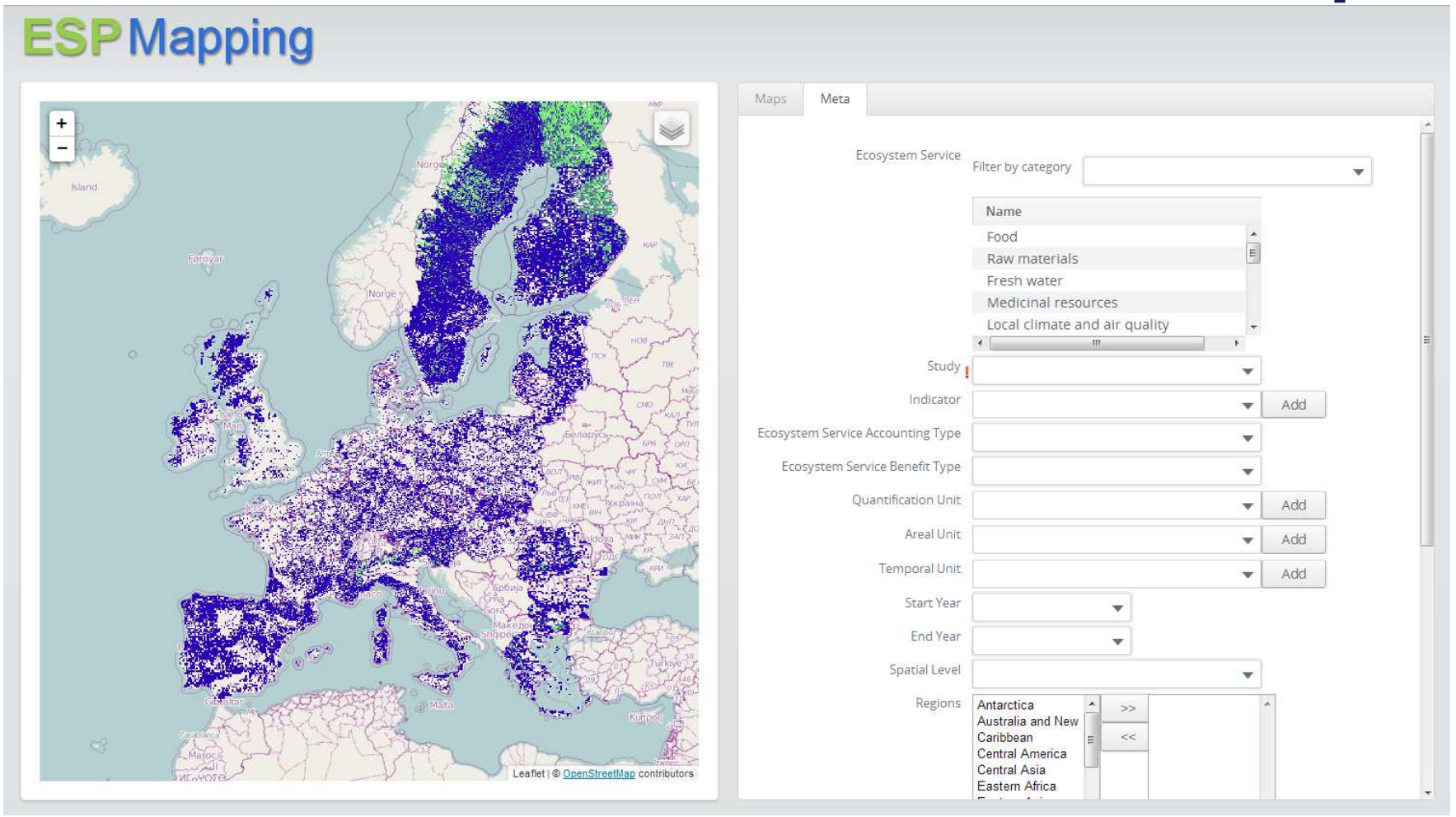
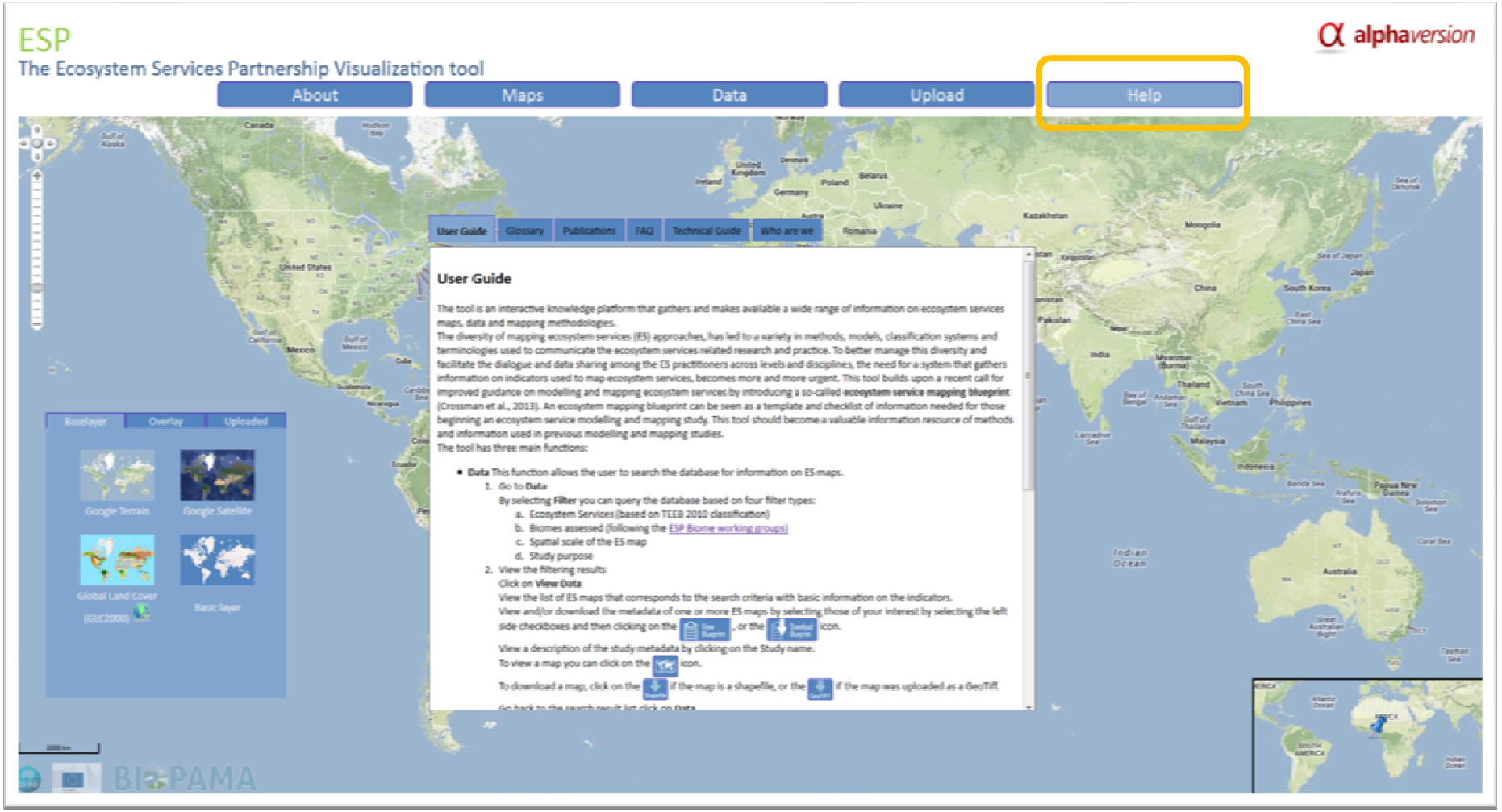


Tool functions & structure

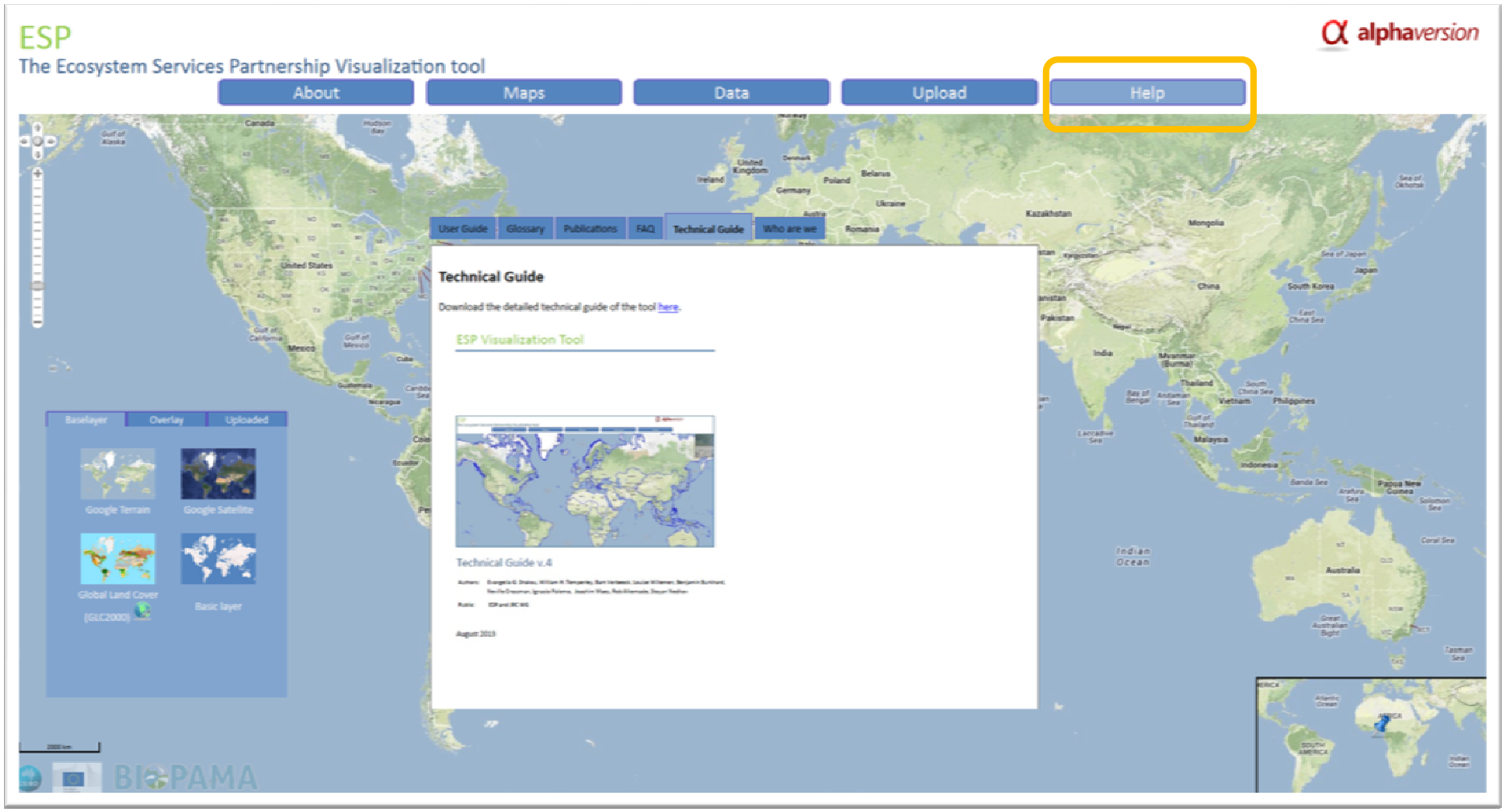
Documentation



[Link]

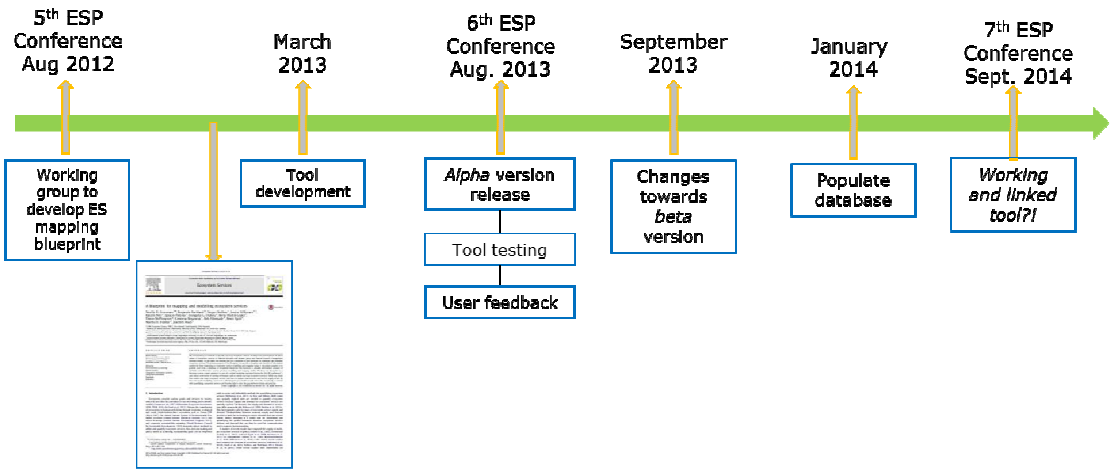
Tool functions & structure

Documentation



Next steps

- Technical, documentation and design **improvements**
- Implementations **CICES** classification systems with TEEB and MA links
- Allow users to **comment** on the maps and methods
- Explore Creative Commons **license** for data sharing
- Link with scientific **journals** (*Ecosystem Services*)
- **Link** with other ES databases and tools



Links with other tools

[Duke University]

Link the MESP with the ESP tool:

- Make databases interoperable
- Cross-population databases

Links with other tools

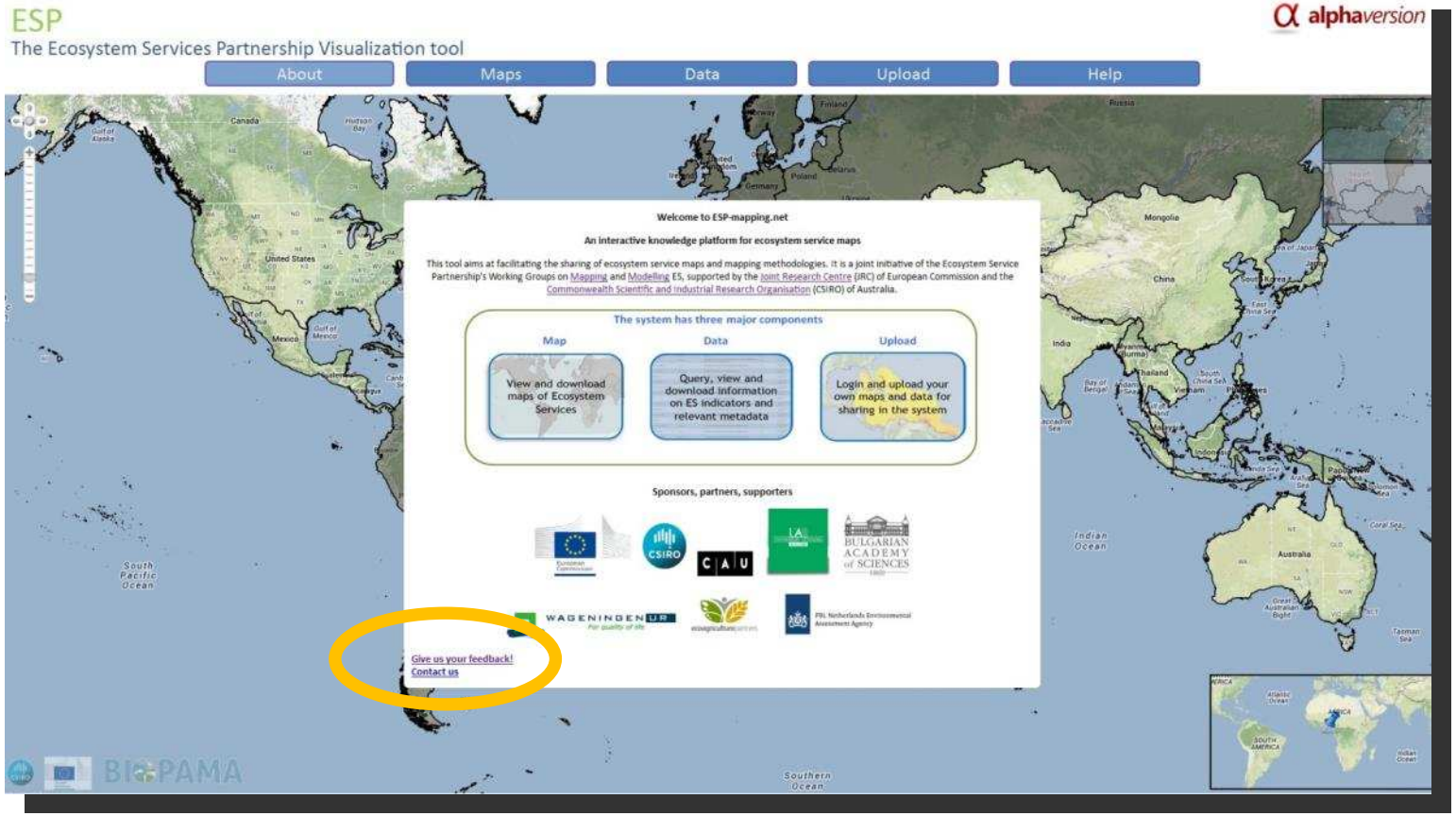
Earth Economics

Possible link the EVT with the ESP tool:

- Exploring collaboration; e.g. standardization of data types, use of matching ontologies

Tool functions & structure

Thank you



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