

Towards a seaweed trait database for European species

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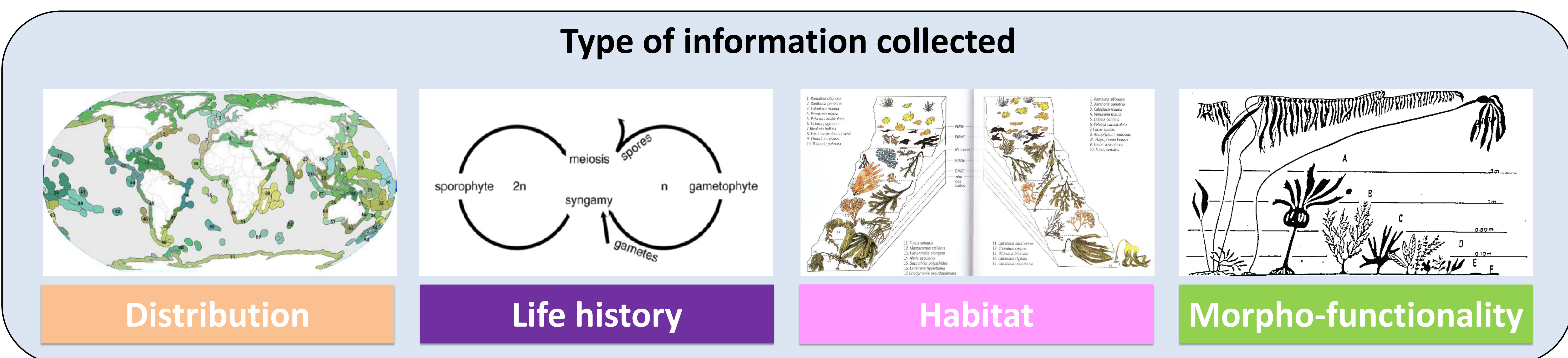


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Rationale for a seaweed trait database

Trait-based approaches are a key to address questions of paramount importance in ecology and evolution such as the responses of species and communities to environmental changes, the relationship between biodiversity and ecosystem functioning or the mechanisms of community assembly. In phycology, trait-based approaches are not new and information on species traits does exist; however, this information is scattered, hardly available and semantically heterogeneous, hampering trait-based approaches over broad taxonomic, spatial or temporal scales. The objective of this project is to build a seaweed trait database for the c.a. 1800 species listed in Europe to overcome the aforementioned drawbacks and enhance the development of a common ontology to favour the use and comparability of trait-based approaches on European seaweeds.



Collect information

Release information

Information sources

1) Literature review



- ✓ Taxonomic resolution: genus
- ✓ 771 genera of European seaweeds
- ✓ 21 traits
- ✓ 513 sources consulted

2) Survey among phycologists



- ✓ Taxonomic resolution: species
- ✓ 1800 European species
- ✓ 40 traits
- ✓ 20 contributors

Information availability

Information will be:

- ✓ Stored in the Aphia database
- ✓ Freely searchable and available through WoRMS (World Register of Marine Species, www.marinespecies.org)
- ✓ Linked to the Biology Portal of EMODnet (European Marine Observation and Data Network, www.emodnet-biology.eu)



You want to contribute to the survey?

It is still possible!

Contact Marine Robuchon at
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