# SeagrassTraitDB: a seagrasses traits database

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### Summary

- Seagrasses are the only monocotyledonous flowering plants (angiosperms) which grow in marine environments. Seagrasses are found from shallow salty to brackish waters and inhabit environments from the tropics to the Arctic.
- With this web service we aim to develop the first database integrating, world-wide, seagrass trait data following community standards for metadata description and plant ontology definitions.



### 1st BioData.pt elicit All Hands **3rd Technical Meeting** CCMAR, 28-30/09/2022



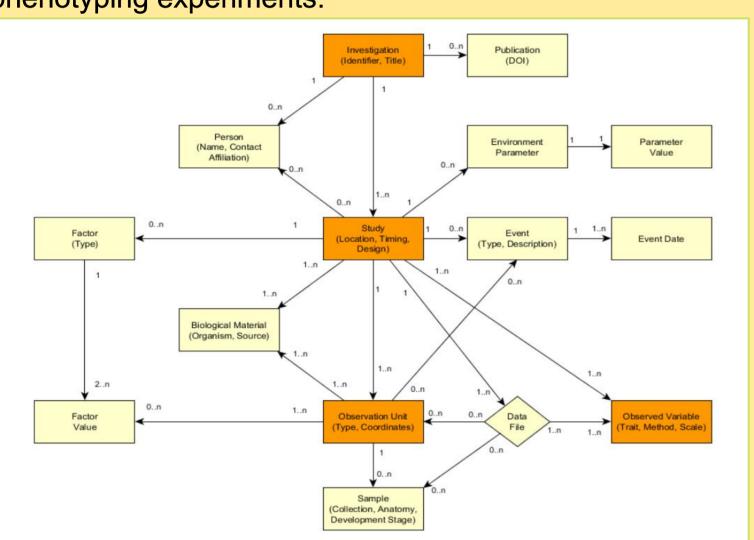


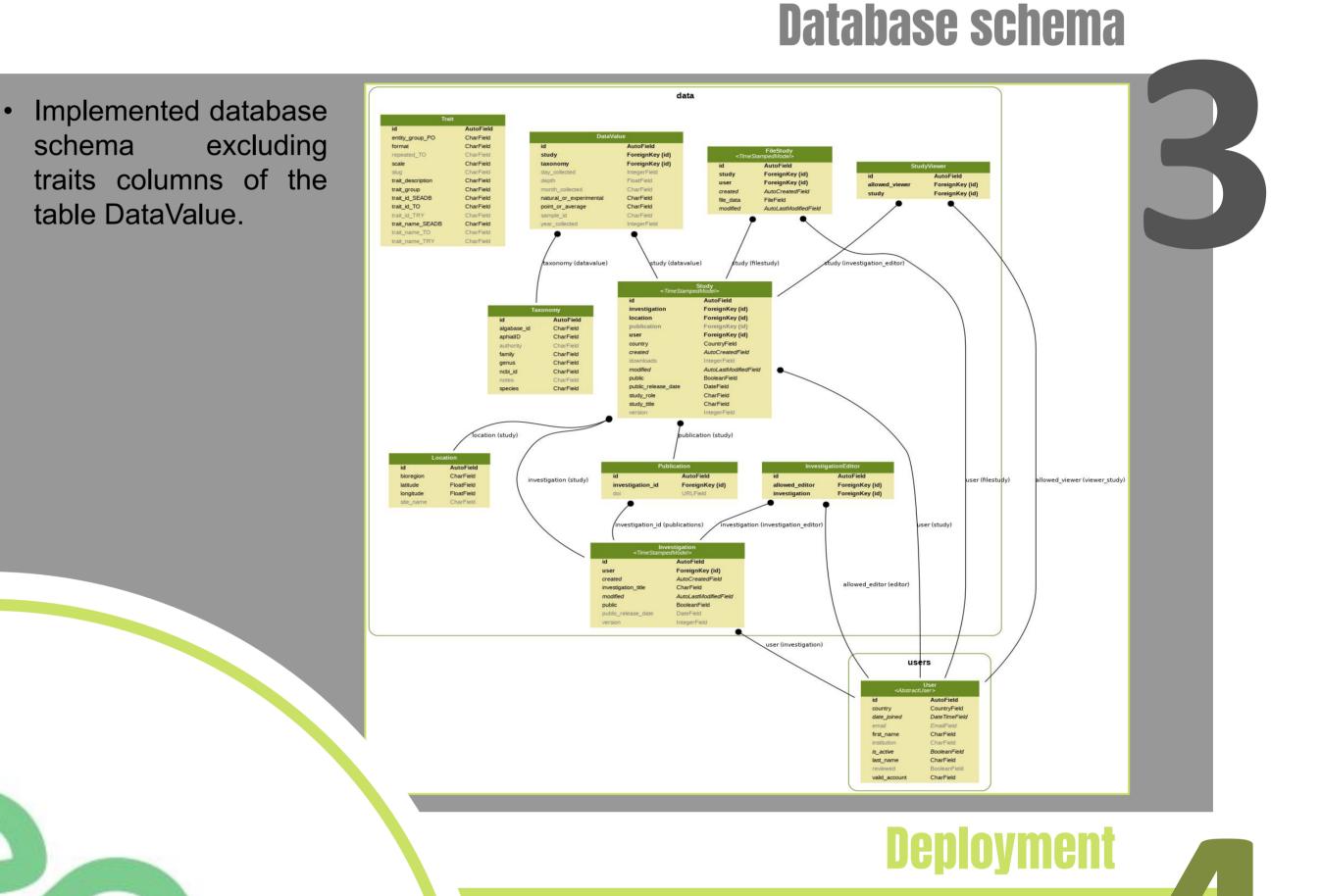


• The service currently supports the upload of 206 seagrass traits and associated metadata. Users are responsible for their data and access to their data (http://seagrasses.ccmar.ualg.pt/).

## **MIAPPE compliant data**

MIAPPE - "Minimal Information About a Plant Phenotyping Experiment", aim to harmonize data from plant phenotyping experiments. This standard includes a checklist and a data model of metadata required to adequately describe plant phenotyping experiments.









#### **Final Remarks**

- All data in the A&A system is the responsibility of the submitting researcher, who has full control of access to their data. Moreover, all data that is made available is fully referenced to the original submitter (owning researcher). The quality of the data is however the responsibility of the owning researcher who submitted that data.
- SeagrassTraitDB will integrate a substantial amount of data on seagrass traits, which will be used to apply the Trait-based Ecology framework to advance the knowledge of seagrass ecosystems and their function, their response to climate changes, habitat restoration, and further evolutionary questions.

#### Contacts

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