

# EULVA

## European *Ulva* Taxonomy Initiative

### DNA-based species assessment of *Ulva* in Europe

*Ulva* is arguably one of the most abundant, widespread and best known seaweed genera in the world. However, the true extent of its **species diversity** remains a significant knowledge gap, even in well-explored regions such as **Europe**.

This project aims to conduct a thorough assessment of *Ulva* diversity on a European scale, based on **DNA-sequence data**. To achieve this, we will construct a comprehensive dataset consisting of published DNA sequence data, complemented with newly sampled data. Our plan is to acquire and analyze approximately 1000 to 2000 specimens collected from the European coastlines, as well as freshwater habitats. To facilitate the processing of such large sample sizes we will develop a strategy to pool samples on **Nanopore** flow cells.

What sets this project apart is its uniqueness in tackling the entirety of a seaweed group on a European scale. The project's scope necessitates the collection of samples from across the study area, a task that will be undertaken by a network of European phycologists (see [project partners](#)).

More specific information on the [sampling and timing](#). In addition to the diversity assessment, some colleagues welcome samples for biochemical or microbial screening ([more info](#)).



### Sampling progress

Map showing participating countries with number of sequenced specimens (coming soon). See [project partners](#) for a full list of partners.

