

Exploring Molecular Biodiversity



Home Overview Table Map

Input data sources

☒ ENA

☐ GBIF

Country of interest:

Norway

Dates of interest:

2023-05-04

to

2025-06-20

Scientific name (optional)

e.g. Fagus

Kingdom (optional)

Plantae

Load Data

Table options

☐ Show filter

Group by

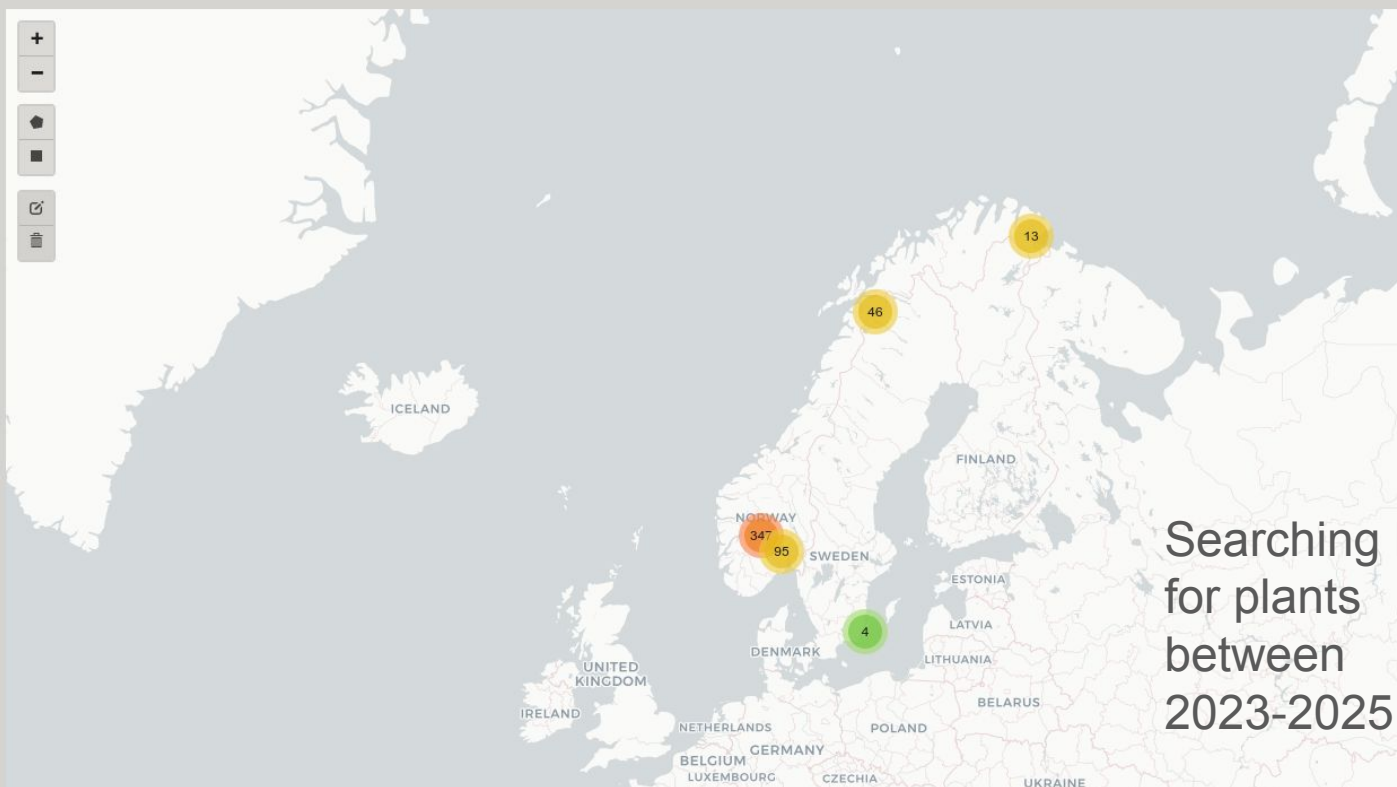
☐ Tax_division

☐ Scientific_name

Draw a rectangle or polygon on the map, then click Load Data.

Clear Area Filter

No area filter selected 399 points have estimated coordinates (347 Norway, 52 Greece)



Searching ENA
for plants
between
2023-2025

Input data sources

☒ ENA☐ GBIF

Country of interest:

Norway

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2023-05-04

to

2025-06-20

Scientific name (optional)

Ulva

Kingdom (optional)

Load Data

Table options

☐ Show filter

Group by

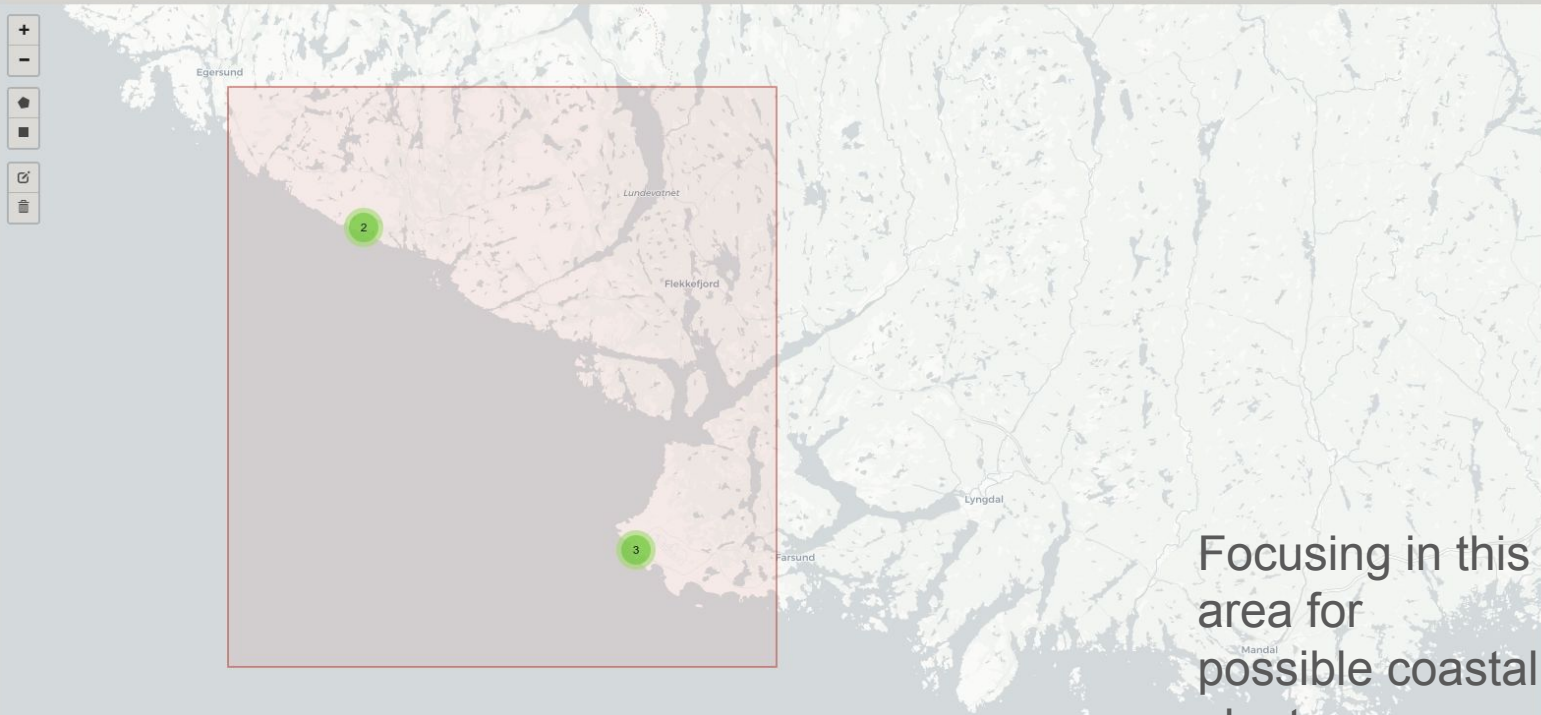
☐ Tax_division☐ Scientific_name☐ Tag1☐ Tag2

Home Overview Table Map

Draw a rectangle or polygon on the map, then click Load Data.

Clear Area Filter

Active area: W 6.012, E 6.779, S 58.014, N 58.44 All points use original coordinates



Focusing in this
area for
possible coastal
plants

Sequence: OP265116.1

Ulva capillata voucher NO_085 ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit (rbcL) gene, partial cds; chloroplast.

Organism: [Ulva capillata](#)

Accession: OP265116

Mol Type: genomic DNA

Topology: linear

Base Count: 1313

Dataclass: STD

Tax Division: PLN

Location: 58.97 N 9.87 E

Specimen Voucher: NO_085

Country: Norway: Nevlunghavn

Show More



General

View: [EMBL](#) [FASTA](#)

Download: [EMBL](#) [FASTA](#)

Publications: [Show](#)

ORCID Data Claims: [Show](#)

Sequence Versions: [View](#)

ENA reveals
that these are
Ulva records for
the *rbcL* marker

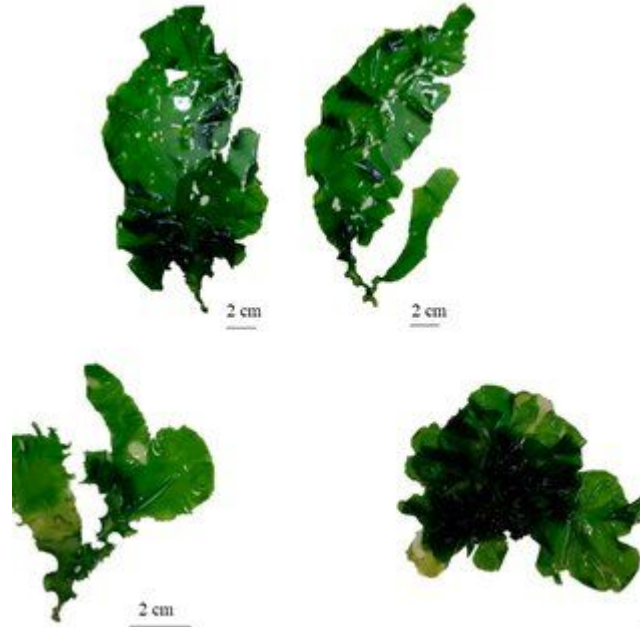
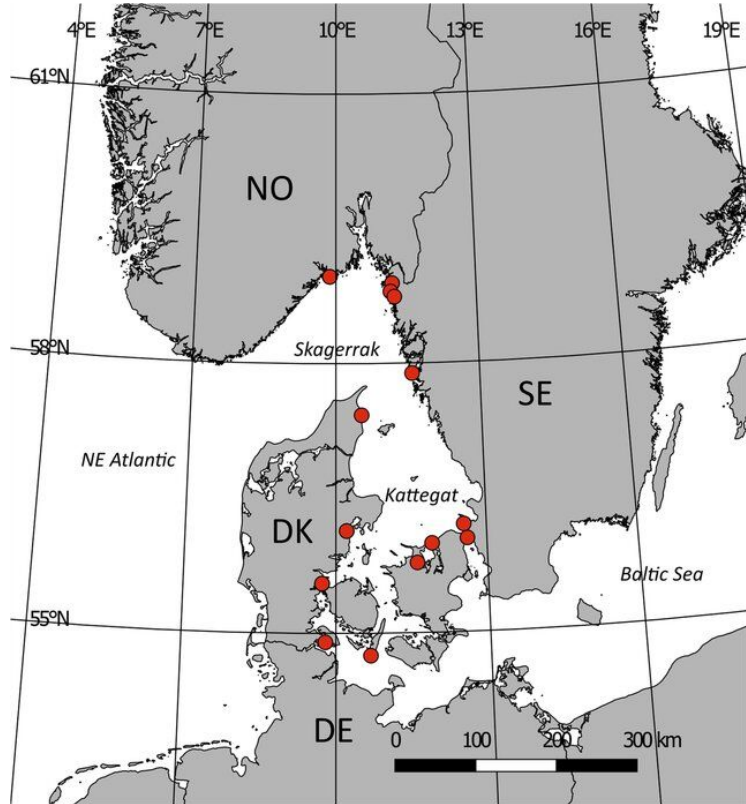


The European Nucleotide Archive (ENA) is part of the ELIXIR infrastructure
The ENA is an ELIXIR Core Data Resource. [Learn more](#)



The European Nucleotide Archive (ENA) is a Global Core Biodata Resource
The ENA is a GBC Global Core Biodata Resource. [Learn more](#)

Tubular greens: *Ulva* sp.



Steinhagen, S., Kramár, L. & Toth, G.B. The unheeded existence of the tubular greens: molecular analyses reveal the distribution of a new *Ulva* species (Ulvophyceae, Chlorophyta), *Ulva capillata* sp. nov. in the Atlantic-Baltic Sea transect. *J Appl Phycol* 35, 509–522 (2023). <https://doi.org/10.1007/s10811-022-02886-w>

[Home](#) [Overview](#) [Table](#) [Map](#)

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e.g. Fagus

Kingdom (optional)

GBIF basisOfRecord

MATERIAL_SAMPLE

Load Data

Table options

☐ Show filter

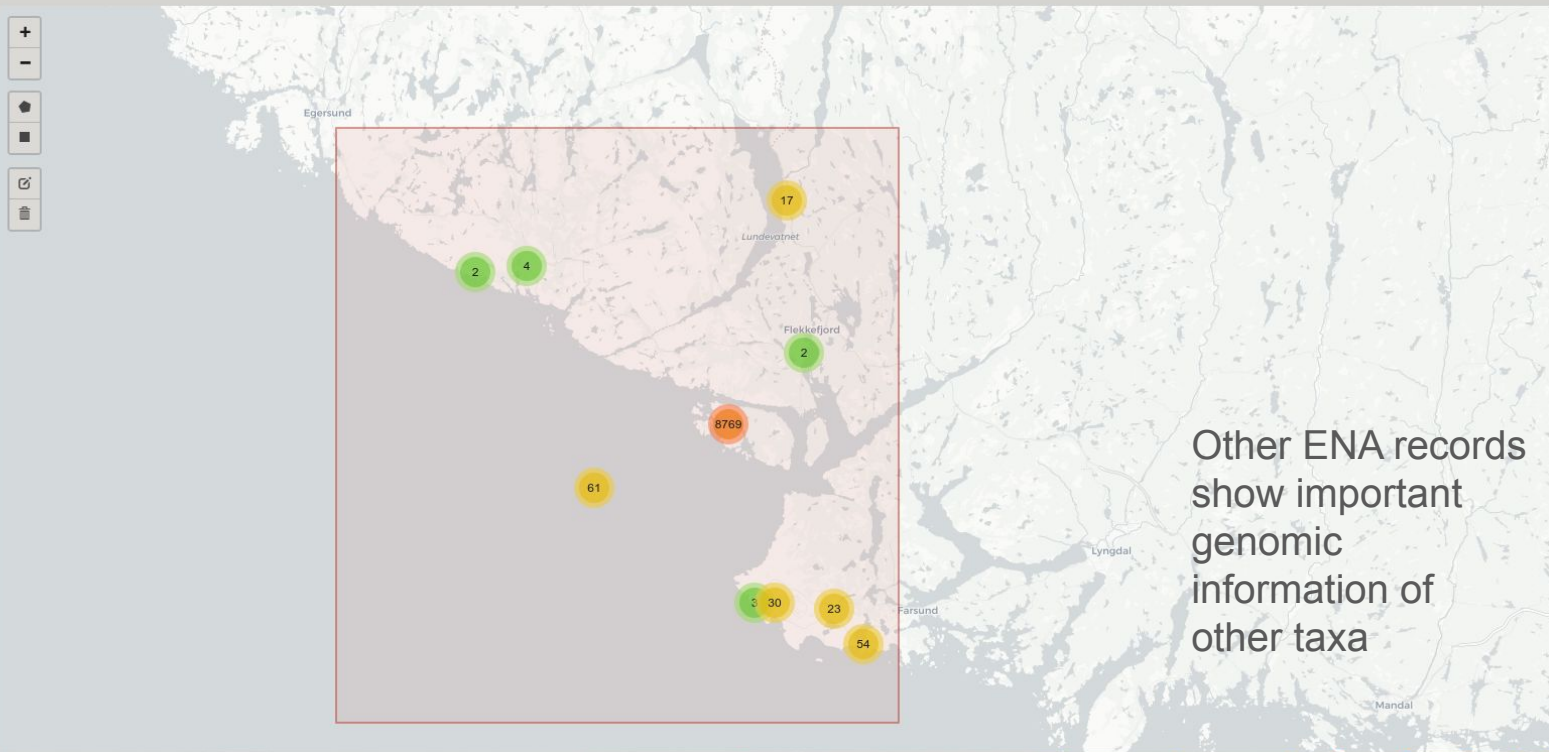
Group by

☐ Tax_division

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e.g. Fagus

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GBIF basisOfRecord

MATERIAL_SAMPLE

Load Data

Table options

☐ Show filter

Group by

☐ Tax_division

ENA

GBIF

accession	scientific_name	country	first_public	basis_of_record	decimalLatitude	decimalLongitude	tax_division2	phylum	class	order	family	genus	species
5172444168	Mycophaga testacea	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Anthomyiidae	Mycophaga	Mycophaga testacea
5172444420	Phaonia errans	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Muscidae	Phaonia	Phaonia errans
5172445003	Scaptomyza pallida	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Drosophilidae	Scaptomyza	Scaptomyza pallida
5172445008	Limnophyes natalensis	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Chironomidae	Limnophyes	Limnophyes natalensis
5172445778	Sylvicola cinctus	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Anisopodidae	Sylvicola	Sylvicola cinctus
5172448093	Cordyla crassicornis	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Mycetophilidae	Cordyla	Cordyla crassicornis
5172448853	Psychoda phalaenoides	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Psychodidae	Psychoda	Psychoda phalaenoides
5172449012	Bradysia irmleri	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Sciaridae	Bradysia	Bradysia irmleri
5172450816	Psychoda phalaenoides	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Psychodidae	Psychoda	Psychoda phalaenoides
5172451860	Syrphoctonus strigator	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Syrphoctonus	Syrphoctonus strigator
5172451939	Zygomya	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Mycetophilidae	Zygomyia	
5172453849	Psychoda minuta	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Psychodidae	Psychoda	Psychoda minuta
5172453963	Trichocera	Norway	2024-10-01	MATERIAL_SAMPLE	58.228545	6.547146	Animalia	Arthropoda	Insecta	Diptera	Trichoceridae	Trichocera	Trichocera

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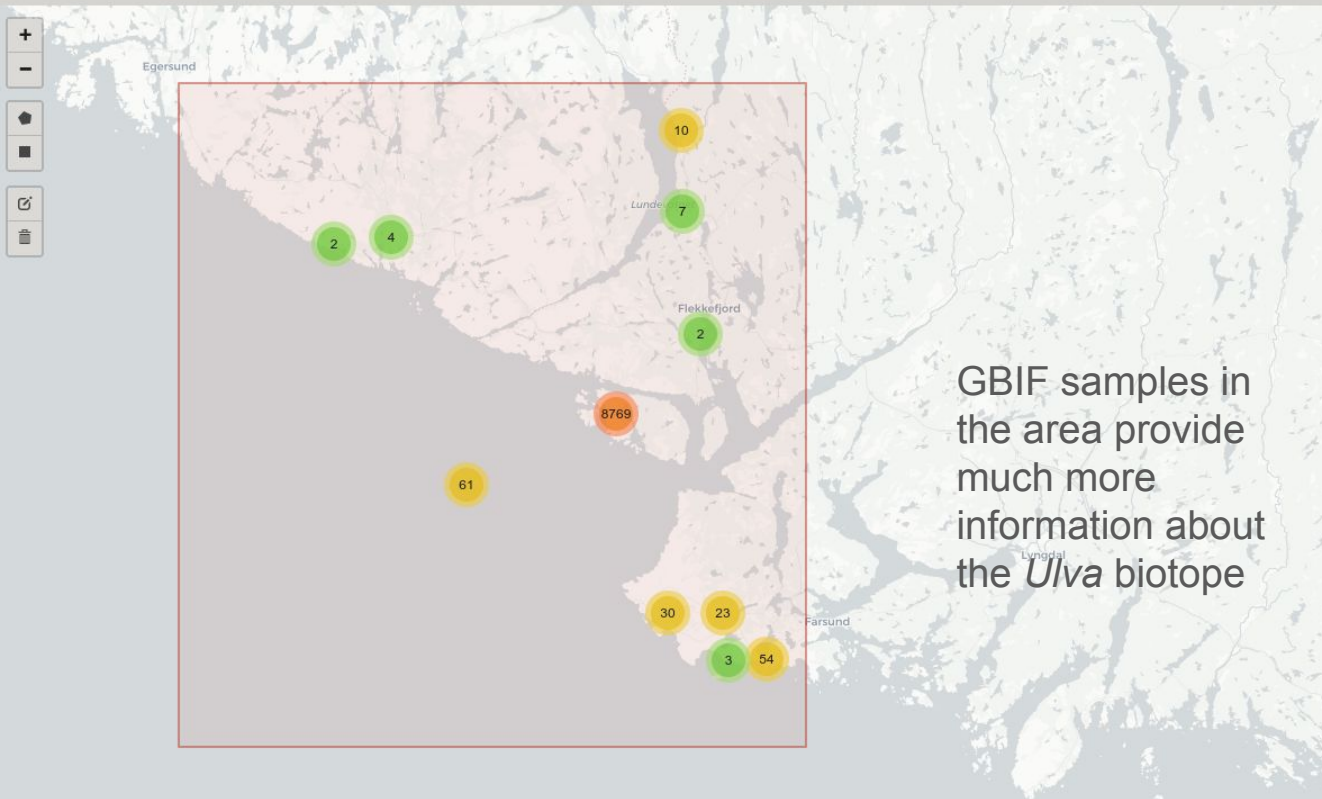
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OCCURRENCE | 28 APRIL 2024 - 13 MAY 2024

Limnophyes natalensis (Kieffer, 1914)

Collected in Norway

Animalia > Arthropoda > Insecta > Diptera > Chironomidae > Limnophyes

DETAILS

Species: [Limnophyes natalensis \(Kieffer, 1914\)](#)

Location: Europe > Norway

Basis of record: Material sample

Event ID: 84415aa5-d19e-4c6f-af58-1e687a751d63

Dataset: [National insect monitoring in Norway](#)

Publisher: [Norwegian Institute for Nature Research](#)

Issues: [Footprint SRS invalid](#) [Country derived from coordinates](#)

[Continent derived from coordinates](#) [Taxon ID not found](#)



Record

Term

Interpreted

Original

Remarks

Basis of record

Material sample

MaterialSample

What we can do here:

- Compare all *rbcL* sequences for all *Ulva* records and other relative species and do phylogenetic studies and find spatial genetic patterns
 - Come up with possible evolutionary forces defining these patterns
 - Come up with relevant conservation strategies
- Compare spatial patterns of different taxa in the same region using ENA records and the relevant sequences
 - Identify persistent spatial patterns and elements that define them
 - Come up with relevant conservation strategies
- Evaluate specific habitats with the help of both ENA and GBIF records
 - Identify possible ecotypes of targeted taxa and describe possible adaptations
 - Evaluate environmental conditions in the habitats and identify threats
 - Conclude with conservation strategies to address these threats