

Exploring Molecular Biodiversity

Input data sources

☒ ENA

☐ GBIF

Country of interest:

Greece

Dates of interest:

2020-05-01

to

2025-06-21

Scientific name (optional)

e.g. Fagus

Kingdom (optional)

Load Data

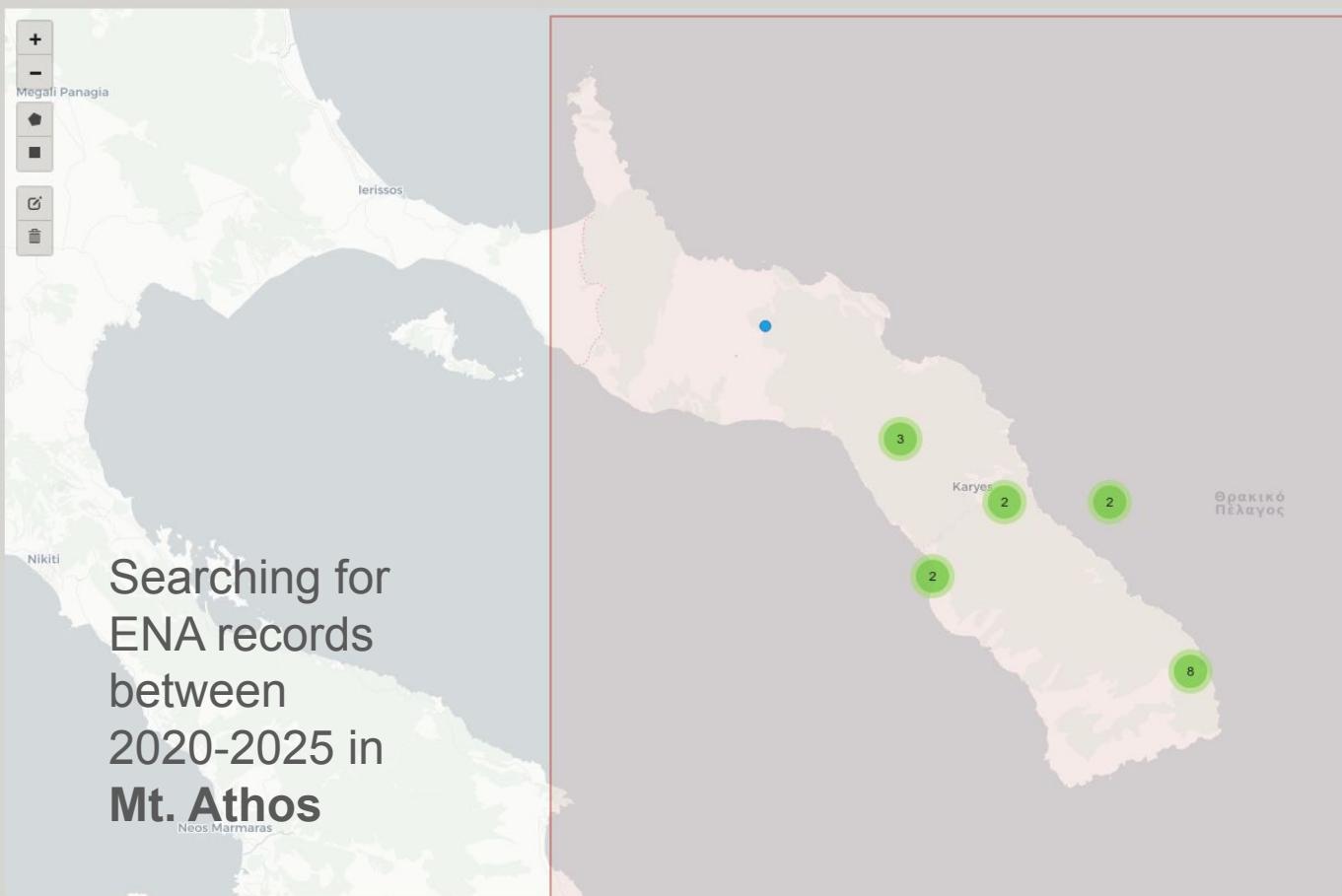
Table options

☐ Show filter

Group by

☐ Tax_division

☐ Scientific_name





Input data sources

☒ ENA☐ GBIF

Country of interest:

Greece

Dates of interest:

2020-05-01

to

2025-06-21

Scientific name (optional)

e.g. Fagus

Kingdom (optional)

Load Data

Table options

☐ Show filter

Group by

☐ Tax_division☐ Scientific_name☐ Tag1

Home Overview Table Map

ENA

accession	first_public	country	altitude	host	host_tax_id	isolation_source	scientific_name	tax_id	lat	long	tax_division2	tag1	tag2
OQ519878	2023-09-13	Greece					Euphorbia oblongata	212945	40.33333333	24.11666667	Plantae		
ON259090	2022-11-29	Greece: Athos Peninsula, Panteleimons Monastery					Lathyrus oleraceus subsp. biflorus	47742	40.28	24.2	Plantae		
ON259089	2022-11-29	Greece: Athos Peninsula, 1 km S of Daphne					Lathyrus oleraceus subsp. biflorus	47742	40.2	24.22	Plantae		
ON243976	2022-11-27	Greece: Athos Peninsula, below Karyes					Lathyrus oleraceus subsp. biflorus	47742	40.26	24.25	Plantae		
ON243975	2022-11-27	Greece: Athos Peninsula, Xeropotamou Monastery					Lathyrus oleraceus subsp. biflorus	47742	40.23	24.22	Plantae		
ON243977	2022-11-27	Greece: Athos Peninsula,					Lathyrus oleraceus subsp.	47742	40.24	24.28	Plantae		

Found 9
records of
*Lathyrus
oleraceus*
subsp. *biflorus*

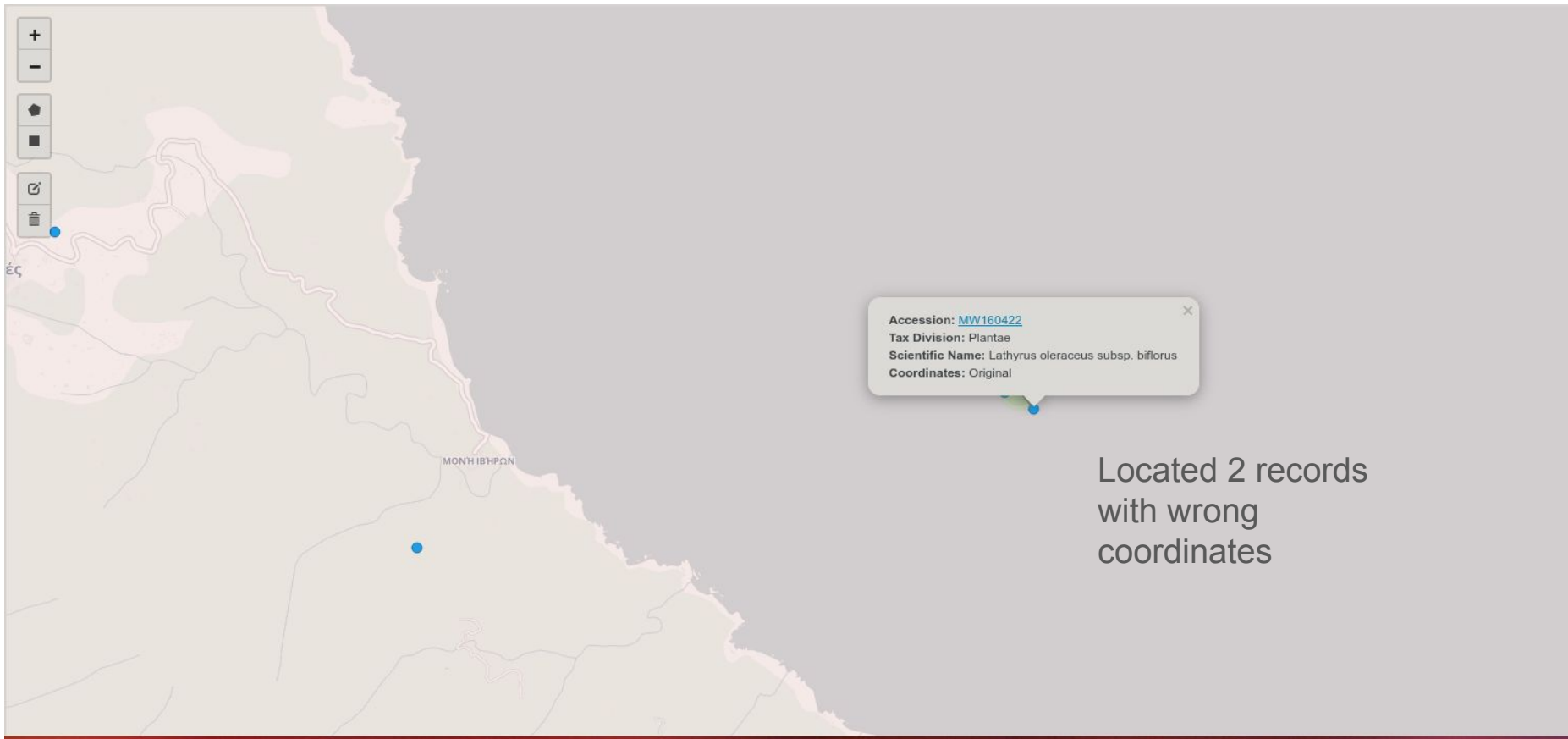
⚙ Most Visited [f Fedora Docs](#) [FM Fedora Magazine](#) [Fedora Project](#) [User Commu](#)

```
ID  ON259090; SV 1; circular; genomic DNA; STD; PLN; 121410 BP.
XX
AC  ON259090;
XX
DT  29-NOV-2022 (Rel. 144, Created)
DT  30-NOV-2022 (Rel. 144, Last updated, Version 1)
XX
DE  Pisum sativum subsp. elatius voucher PI344009 chloroplast, complete genome.
XX
KW  .
XX
OS  Pisum sativum subsp. elatius
OC  Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC  Spermatophyta; Magnoliopsida; eudicotyledons; Gunneridae; Pentapetalae;
OC  rosids; fabids; Fabales; Fabaceae; Papilionoideae; 50 kb inversion clade;
OC  NPAAA clade; Hologalegina; IRL clade; Fabeae; Pisum.
OG  Plastid:chloroplast
XX
```

Each record corresponds to a full plastome,
very useful for studying phylogenetic scenarios
and gene flow via seed.



Lathyrus oleraceus



Located 2 records
with wrong
coordinates

Exploring Molecular Biodiversity

Home Overview Table Map

Input data sources

- ☒ ENA
- ☒ GBIF

Country of interest:

Greece

Dates of interest:

2020-05-01 to 2025-06-21

Scientific name (optional)

e.g. Fagus

Kingdom (optional)

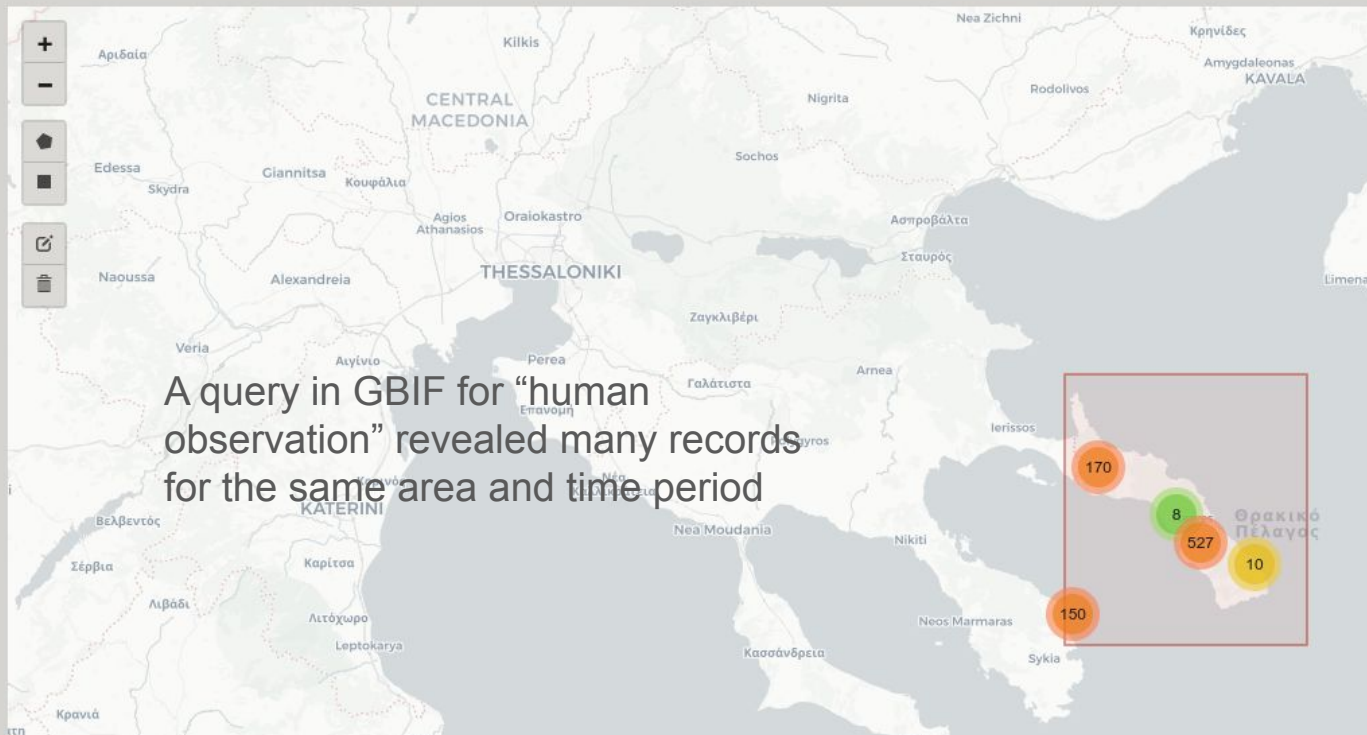
GBIF basisOfRecord

MATERIAL_SAMPLE
OBSERVATION
HUMAN_OBSERVATION

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

Clear Area Filter

Active area: W 23.983, E 24.478, S 40.059, N 40.48 All points





Country of interest: <

Greece ▼

Dates of interest:

2020-05-01 to 2025-06-21

Scientific name (optional)

e.g. Fagus

Kingdom (optional)

GBIF basisOfRecord

MATERIAL_SAMPLE
OBSERVATION
HUMAN_OBSERVATION

Load Data

Table options

☒ Show filter

Group by

☒ Tax_division
☐ Scientific_name
☐ Tag1
☐ Tag2

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

ENA

GBIF

tax_division2	accession	scientific_name	country	first_public	basis_of_record	decimalLatitude	decimalLongitude	phylum	class	order	family	genus	species
▶ Animalia (522)													
▶ Plantae (323)													
▶ Chromista (1)													
▶ Fungi (1)													
1–4 of 4 rows Show 15 ▼													

Previous 1 of 1 Next

[Download as CSV](#)



Country of interest: <

Greece ▼

Dates of interest:

2020-05-01 to 2025-06-21

Scientific name (optional)

e.g. Fagus

Kingdom (optional)

GBIF basisOfRecord

MATERIAL_SAMPLE
OBSERVATION
HUMAN_OBSERVATION

Load Data

Table options

☒ Show filter

Group by

☐ Tax_division

☐ Scientific_name

☐ Tag1

☐ Tag2

ENA		GBIF											
accession	scientific_name	country	first_public	basis_of_record	decimalLatitude	decimalLongitude	tax_division2	phylum	class	order	family	genus	species
									Inse				
5205976447	Nemoptera sinuata	Greece	2025-06-19	HUMAN_OBSERVATION	40.226456	24.238582	Animalia	Arthropoda	Insecta	Neuroptera	Nemopteridae	Nemoptera	Nemoptera sinuata
6185420478	Nordmannia ilicis	Greece	2025-06-18	HUMAN_OBSERVATION	40.251298	24.261515	Animalia	Arthropoda	Insecta	Lepidoptera	Lycaenidae	Nordmannia	Nordmannia ilicis
5288091168	Tettigonia viridissima	Greece	2025-06-16	HUMAN_OBSERVATION	40.171564	24.382187	Animalia	Arthropoda	Insecta	Orthoptera	Tettigoniidae	Tettigonia	Tettigonia viridissima
5867986760	Paracorymbia pallens	Greece	2025-05-27	HUMAN_OBSERVATION	40.251863	24.252543	Animalia	Arthropoda	Insecta	Coleoptera	Cerambycidae	Paracorymbia	Paracorymbia pallens
5868018099	Lymantria dispar	Greece	2025-05-27	HUMAN_OBSERVATION	40.215075	24.22257	Animalia	Arthropoda	Insecta	Lepidoptera	Erebidae	Lymantria	Lymantria dispar
5868194443	Cataglyphis nodus	Greece	2025-05-27	HUMAN_OBSERVATION	40.250625	24.258252	Animalia	Arthropoda	Insecta	Hymenoptera	Formicidae	Cataglyphis	Cataglyphis nodus
5868197685	Regiscolia Betrem & Bradley, 1964	Greece	2025-05-27	HUMAN_OBSERVATION	40.197614	24.324811	Animalia	Arthropoda	Insecta	Hymenoptera	Scoliidae	Regiscolia	
5868411682	Lymantria dispar	Greece	2025-05-27	HUMAN_OBSERVATION	40.215075	24.22257	Animalia	Arthropoda	Insecta	Lepidoptera	Erebidae	Lymantria	Lymantria dispar
5935655736	Melitaea didyma	Greece	2025-05-27	HUMAN_OBSERVATION	40.215237	24.222897	Animalia	Arthropoda	Insecta	Lepidoptera	Nymphalidae	Melitaea	Melitaea didyma
6131561725	Melitaea didyma	Greece	2025-05-27	HUMAN_OBSERVATION	40.215237	24.222897	Animalia	Arthropoda	Insecta	Lepidoptera	Nymphalidae	Melitaea	Melitaea didyma
4854037805	Stenbanus	Greece	2024-08-16	HUMAN_OBSERVATION	40.267975	24.27715	Animalia	Arthropoda	Insecta	Hymenoptera	Stenbanidae	Stenbanus	Stenbanus

Filter for insects

What we can do here:

- Compare full plastomes for all *Lathyrus oleraceus* records and find spatial genetic patterns
 - Come up with possible evolutionary forces defining these patterns
 - Come up with relevant conservation strategies
- Evaluate specific habitats with the help of both ENA and GBIF records
 - Describe the environment of the habitat for the plant we focus.
 - Align spatial patterns between genetic diversity of *Lathyrus* and species distribution of birds, insects.