



The LifeWatch ERIC Biodiversity
& Ecosystem eScience Conference

PLOVDIV, BULGARIA

7-10 JULY 2026

Navigating species names and exploring taxonomy-related services

Welcome to the wonderful world of the
LifeWatch Species Information Backbone

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8 July 2026



Components of the LifeWatch Species Information Backbone

Taxonomy

Species names, classifications, synonymies, nomenclature

(Bio)geography

Species occurrence and distribution records

Ecology (traits)

Functional traits, habitats, morphology, vulnerability, life-history information

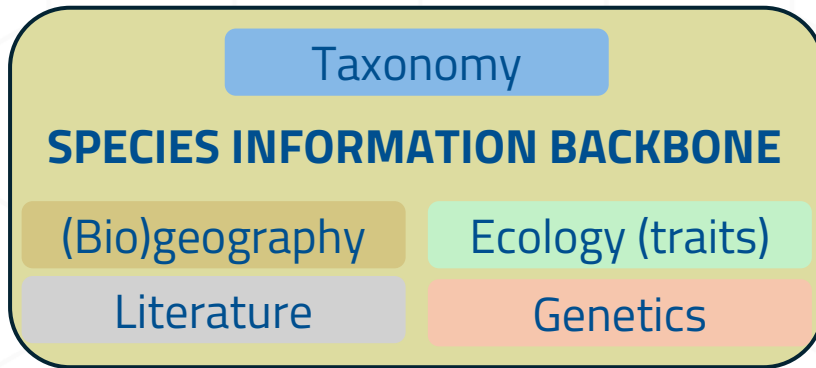
Genetics

Links to molecular and genomic information

Literature

Scientific references supporting species information

Components of the LifeWatch Species Information Backbone



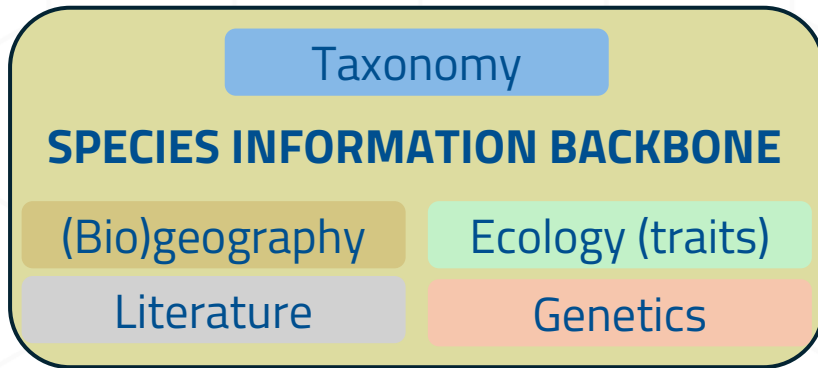
Goals:

- Facilitate the standardization of species data
- (Virtually) bring together different component databases & data systems
- Offer better-quality data & try to avoid duplication of efforts

Builds on expert validated and literature-based info

Driving force behind the species information services of the Belgian LifeWatch.be e-Lab

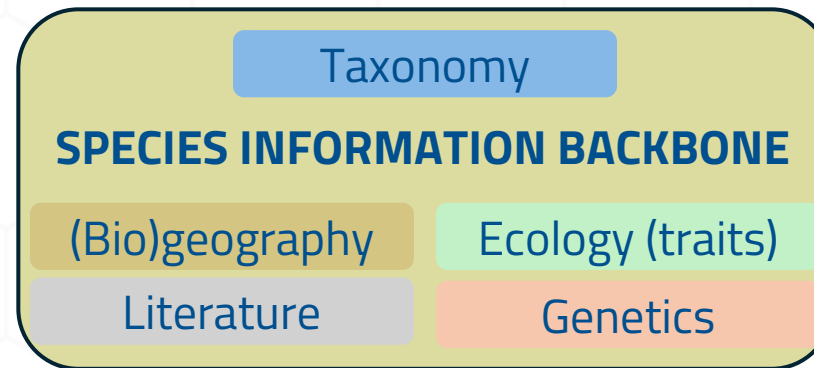
Components of the LifeWatch Species Information Backbone



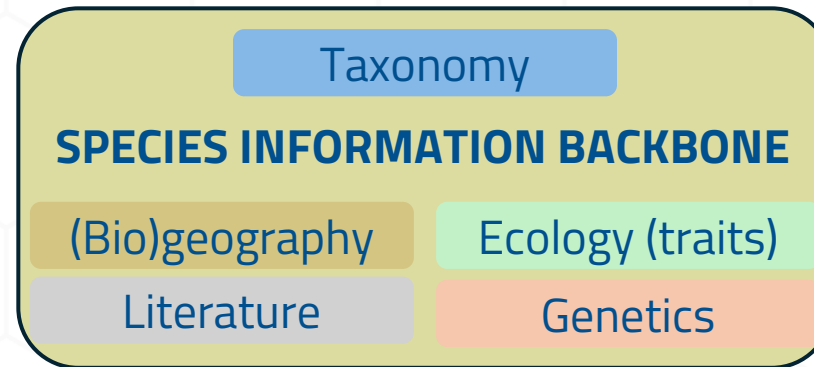
Coordinated by VLIZ, at three levels:

- System architecture & development
= setting up the LifeWatch Species Information Backbone
- Data management
= completing and updating taxonomic & related data
(by Data Management Team)
- Community support
= organize & mobilize (taxonomic) experts

Components of the LifeWatch Species Information Backbone



Components of the LifeWatch Species Information Backbone



IMIS



Components of the LifeWatch Species Information Backbone



FishBase



SeaLifeBase



algaeBASE

Catalogue of Life



Encyclopedia of Life



World Register of Marine Species



THE GLOBAL DATABASE



Australian Biological Resources Study



Biodiversity Heritage Library



ZooBank



OCEAN BIOGEOGRAPHIC INFORMATION SYSTEM



European Ocean Biodiversity Information System



Marineregions.org

towards a standard for georeferenced marine names



BIODIVERSITY.AQ

Taxonomy

SPECIES INFORMATION BACKBONE

(Bio)geography

Ecology (traits)

Literature

Genetics



IMIS



Integrated Digitized Biocollections



Distributed System of Scientific Collections



European Nucleotide Archive



international BARCODE OF LIFE

Establishing workflows: LifeWatch.be data services and e-lab

Backbone data services and the e-lab allow to answer questions combining data systems:

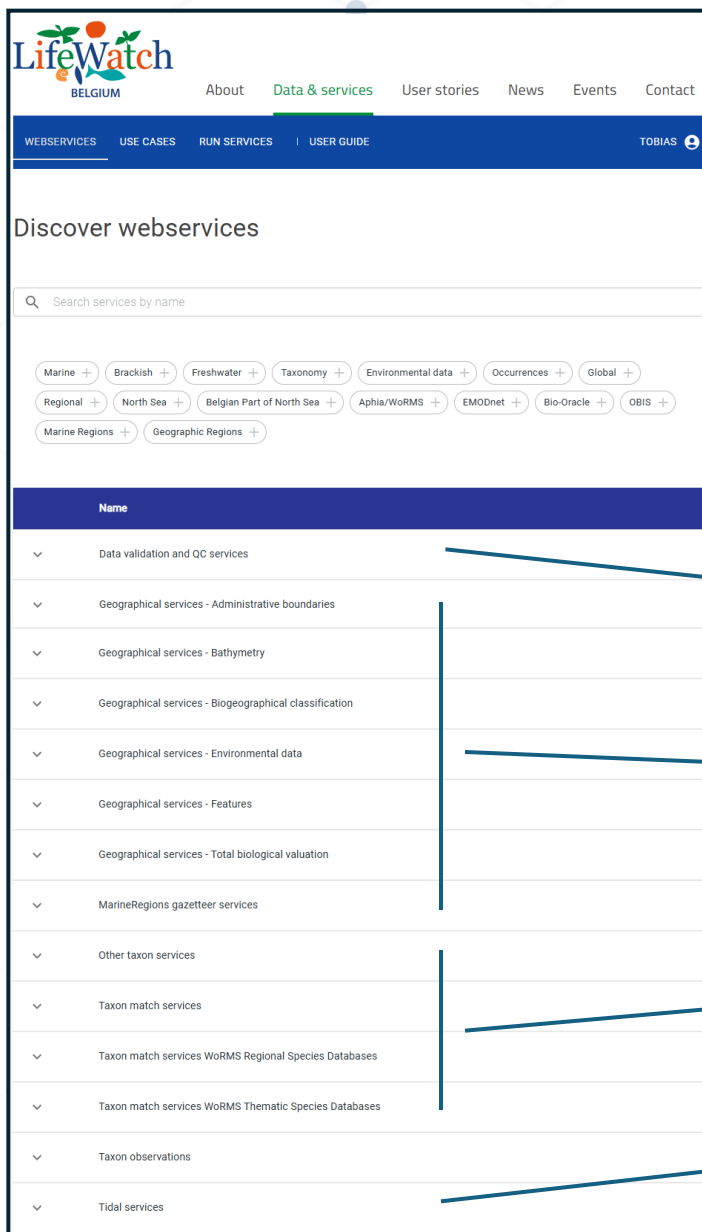
- Where does species X appear?
- Which (macro)benthic species live in the North Sea up to 200m depth?
- Which alien species are known to occur in the Mediterranean Sea?
- How does my species list relate to the African Register of Marine Species?
- Which species from the Habitat/Bird Directive are on the IUCN Red List?



<https://www.lifewatch.be/e-lab>

<https://www.lifewatch.be/data-services>

<https://www.lifewatch.be/e-lab>



The screenshot shows the LifeWatch.be e-lab services page. The header includes the LifeWatch logo and navigation links: About, Data & services (highlighted), User stories, News, Events, and Contact. Below the header is a dark blue navigation bar with links: WEBSERVICES, USE CASES, RUN SERVICES, and USER GUIDE. The main content area is titled "Discover webservices" and features a search bar labeled "Search services by name". Below the search bar are several filter buttons: Marine, Brackish, Freshwater, Taxonomy, Environmental data, Occurrences, Global, Regional, North Sea, Belgian Part of North Sea, Aphia/WoRMS, EMODnet, Bio-Oracle, OBIS, Marine Regions, and Geographic Regions. A table of services is displayed below the filters, with a dark blue header row labeled "Name". The table lists various services, including Data validation and QC services, Geographical services (Administrative boundaries, Bathymetry, Biogeographical classification, Environmental data, Features, Total biological valuation), MarineRegions gazetteer services, Other taxon services, Taxon match services, Taxon match services WoRMS Regional Species Databases, Taxon match services WoRMS Thematic Species Databases, Taxon observations, and Tidal services. Arrows from the text on the right point to specific rows in the table.

Name
▼ Data validation and QC services
▼ Geographical services - Administrative boundaries
▼ Geographical services - Bathymetry
▼ Geographical services - Biogeographical classification
▼ Geographical services - Environmental data
▼ Geographical services - Features
▼ Geographical services - Total biological valuation
▼ MarineRegions gazetteer services
▼ Other taxon services
▼ Taxon match services
▼ Taxon match services WoRMS Regional Species Databases
▼ Taxon match services WoRMS Thematic Species Databases
▼ Taxon observations
▼ Tidal services

Data validation and QC

Geographical services,
including Marine Regions gazetteer

Taxon services: taxon identifiers, matches,
observations, names parser

Tidal services

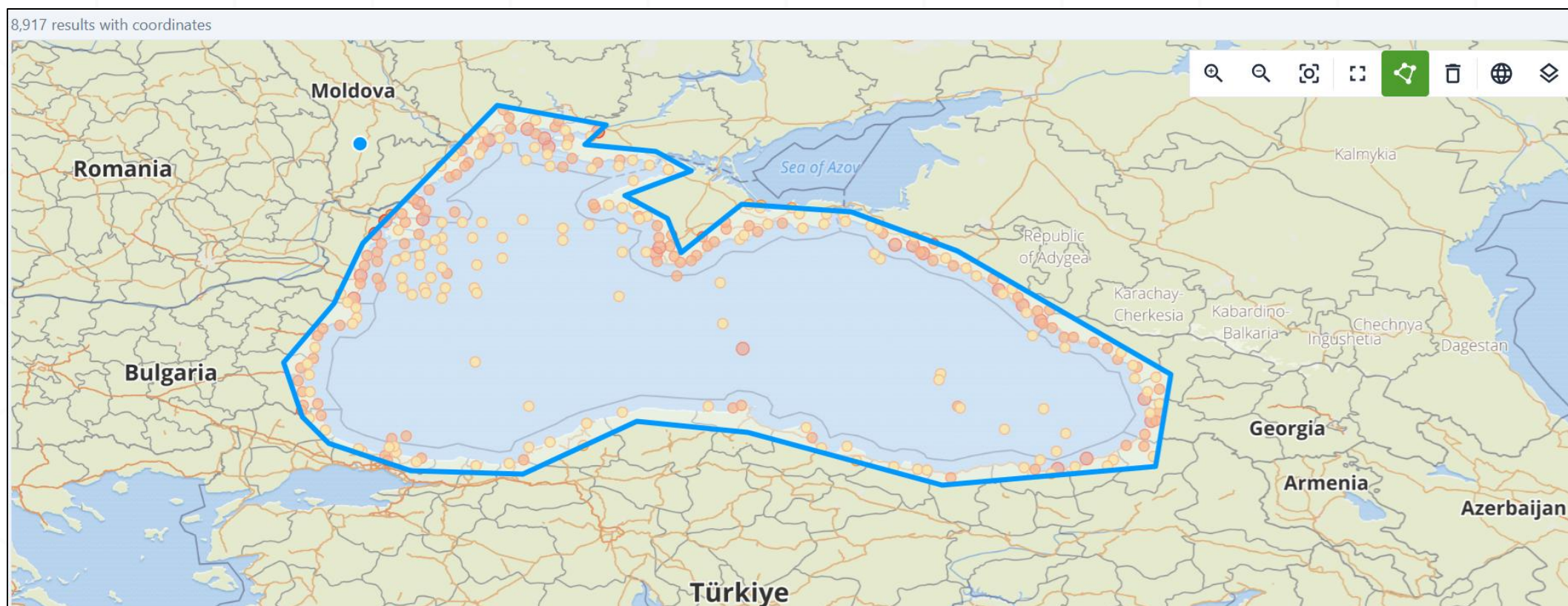
Data validation and QC services

SERVICES

	Name	Source	Description	Status	Actions
	Data format validation	VLIZ	The LifeWatch portal uses a specific standard data format based on Darwin Core and the OBIS scheme (see user guide). This service checks if the uploaded data file matches this standard LifeWatch data format.	 Service available	RUN WEBSERVICE
Input columns: Longitude Latitude EventDate					
Output columns: longitude_check latitude_check eventdate_check					
	Show on map	VLIZ	The service generates a map based on the latitude and longitude in the uploaded data file. The resulting map is available in the result report.	 Service available	RUN WEBSERVICE

Example workflow

- starting dataset: GBIF download of Teleostei (fish) from the Black Sea, selected by a polygon drawn on the map
- main steps: add missing coordinates – limit to Black Sea – check names – identify areas – add parameters



Example workflow

- starting dataset: GBIF download of Teleostei (fish) from the Black Sea, selected by a polygon drawn on the map

1. Quick data QC

services: Data validation and QC services: Data format validation and Show on map

input file: occurrence_mod.txt
results file: e-lab online map

Discover webservices

 Search services by name

[Marine](#) [Brackish](#) [Freshwater](#) [Taxonomy](#) [Environmental data](#) [Occurrences](#) [Global](#) [Regional](#) [North Sea](#) [Belgian Part of North Sea](#) [Aphia/WoRMS](#) [EMODnet](#) [Bio-Oracle](#) [OBIS](#) [Marine Regions](#) [Geographic Regions](#)

Name

Data validation and QC services

EMODnet Biology

Geographical services - Administrative boundaries

Geographical services - Bathymetry

Geographical services - Biogeographical classification

Geographical services - Environmental data

Geographical services - Features

Geographical services - Total biological valuation

MarineRegions gazetteer services

Other taxon services

Taxon match services

Taxon match services WoRMS Regional Species Databases

Taxon match services WoRMS Thematic Species Databases

Taxon observations

Tidal services

Discover webservices

 Search services by name

[Marine](#) [Brackish](#) [Freshwater](#) [Taxonomy](#) [Environmental data](#) [Occurrences](#) [Global](#) [Regional](#) [North Sea](#) [Belgian Part of North Sea](#) [Aphia/WoRMS](#) [EMODnet](#) [Bio-Oracle](#) [OBIS](#) [Marine Regions](#) [Geographic Regions](#)

Name

Data validation and QC services

SERVICES

Name

Source

Description

Status

Actions

Data format validation

[VLIZ](#)

The LifeWatch portal uses a specific standard data format based on Darwin Core and the OBIS scheme (see user guide). This service checks if the uploaded data file matches this standard LifeWatch data format.



Service available

 RUN
WEBSERVICE

Show on map

[VLIZ](#)

The service generates a map based on the latitude and longitude in the uploaded data file. The resulting map is available in the result report.



Service available

 RUN
WEBSERVICE

Geographical services - Administrative boundaries

LifeWatch.be e-lab services

[WEBSERVICES](#)[USE CASES](#)[RUN SERVICES](#)[RESULTS](#)[USER GUIDE](#)TOBIAS 

1 Upload File — 2 Select services — 3 Validate services — 4 Confirm columns — 5 Run job

1. Upload your file

Select one of the demo data files and choose from several web services, models and applications to process the data. To work with other data files, please log in. If you are new to this service, please read the manual.

[DEMO FILE](#)[CUSTOM FILE](#)

Select demo file

Marine ▼

2. File options

☒ First row contains column names

Column delimiter

Tab ▼

Decimal symbol

Point(.) ▼

[NEXT](#)

[WEBSERVICES](#)[USE CASES](#)[RUN SERVICES](#)[RESULTS](#)[USER GUIDE](#)TOBIAS 

1 Upload File

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1. Upload your file

Select one of the demo data files and choose from several web services, models and applications to process the data. To work with other data files, please log in. If you are new to this service, please read the manual.

DEMO FILE

CUSTOM FILE

Select a file by clicking or dragging it here

2. File options

☒ First row contains column names

Column delimiter

Tab

Decimal symbol

Point(.)

NEXT

WEBSERVICES USE CASES RUN SERVICES RESULTS USER GUIDE

TOBIAS 

1 Upload File — 2 Select services — 3 Validate services — 4 Confirm columns — 5 Run job

 You need to select at least 1 webservice or use case to continue.

 Photo by Cristian Palmer on Unsplash

 Photo by Ivana Cajina on Unsplash

Custom webservices

Select your preferred webservices

Predefined use cases

Select a predefined set of webservices

BACK

NEXT

WEBSERVICES

USE CASES

RUN SERVICES

RESULTS

USER GUIDE

TOBIAS

1 Upload File

2 Select services

3 Validate services

4 Confirm columns

5 Run job

You have 1 webservice selected. Select additional webservices in the table below or click 'Next' to continue.

CHANGE OPTION

2. Custom webservices

Q

Search services by name

Marine +

Brackish +

Freshwater +

Taxonomy +

Environmental data +

Occurrences +

Global +

Regional +

North Sea +

Belgian Part of North Sea +

Aphia/WoRMS +

EMODnet +

Bio-Oracle +

OBIS +

Marine Regions +

Geographic Regions +

Name

^

Data validation and QC services

SERVICES

	Name	Source	Description	Status
▼ ☐	Data format validation	VLIZ	The LifeWatch portal uses a specific standard data format based on Darwin Core and the OBIS scheme (see user guide). This service checks if the uploaded data file matches this standard LifeWatch data format.	✓ Service available
▼ ☒	Show on map	VLIZ	The service generates a map based on the latitude and longitude in the uploaded data file. The resulting map is available in the result report.	✓ Service available

▼

Geographical services - Administrative boundaries

BACK

NEXT

[WEBSERVICES](#)[USE CASES](#)[RUN SERVICES](#)[RESULTS](#)[USER GUIDE](#)TOBIAS 

✓ Upload File — ✓ Select services — 3 Validate services — 4 Confirm columns — 5 Run job

3. Validate selected services

1 Show on map

The service generates a map based on the latitude and longitude in the uploaded data file. The resulting map is available in the result report.

Required input fields:

Longitude

Latitude

Output fields:

n.a.

[BACK](#)[NEXT](#)

WEBSERVICES
USE CASES
RUN SERVICES
RESULTS
USER GUIDE

TOBIAS

Upload File

Select services

Validate services

4 Confirm columns

5 Run job

4. Preview of the file 'occurrence_mod.txt' (first 20 records)

Please select header names that correspond to the columns in your file, and click 'Confirm' to submit the job.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13
gbifID	eventDate	countryCode	stateProvince	locality	decimalLatitude	decimalLongitude	scientificName	genus	specificEpithet	infraspecificEpithet	genus specificEpithet	taxonRank
None	None	None	None	None	None	None	None	None	None	None	None	None
666583158	1961-04	RO		Black Sea at Constantza	44.18084	28.662317	Gasterosteus aculeatus f. aculeatus	Gasterosteus	aculeatus	aculeatus	Gasterosteus aculeatus aculeatus	FORM
666578426	1982	RO	Dobrodja	Freshwater source of Tekirghiol Lake	44.008555	28.555927	Gasterosteus aculeatus f. aculeatus	Gasterosteus	aculeatus	aculeatus	Gasterosteus aculeatus aculeatus	FORM
207871100	16-08-70	BG		EUROPA, SO-, BULGARIEN, OSO-, VELEKA-FLUSS (WETEKA-), AHTOPOL*,	42.1	27.95	Leuciscus souffia agassizi Valenciennes, 1844	Telestes	souffia	agassizi	Telestes souffia agassizi	SUBSPECIES
							Gobio kessleri				Romanogobio	

Field "Longitude" is required in webservice "Show on map".
Review your selected headers. Assign "Longitude" as the header to one column of your input file.

Field "Latitude" is required in webservice "Show on map".
Review your selected headers. Assign "Latitude" as the header to one column of your input file.

BACK
CONFIRM

WEBSERVICES

USE CASES

RUN SERVICES

RESULTS

USER GUIDE

TOBIAS

Upload File

Select services

Validate services

Confirm columns

Run job

4. Preview of the file 'occurrence_mod.txt' (first 20 records)

Please select header names that correspond to the columns in your file, and click 'Confirm' to submit the job.

Column 1 gbifID	Column 2 eventDate	Column 3 countryCode	Column 4 stateProvince	Column 5 locality	Column 6 decimalLatitude	Column 7 decimalLongitude	Column 8 scientificName	Column 9 genus	Column 10 specificEpithet	Column 11 infraspecificEpithet	Column 12 genus specificEpithet	Column 13 taxonRank
None	None	None	None	None	Latitude	Longitude	None	None	None	None	None	None
666583158	1961-04	RO		Black Sea at Constantza	44.18084		Gasterosteus aculeatus f. aculeatus	Gasterosteus	aculeatus	aculeatus	Gasterosteus aculeatus aculeatus	FORM
666578426	1982	RO	Dobrodja	Freshwater source of Tekirghiol Lake	44.008555	28.555927	Gasterosteus aculeatus f. aculeatus	Gasterosteus	aculeatus	aculeatus	Gasterosteus aculeatus aculeatus	FORM
207871100	16-08-70	BG		EUROPA, SO-, BULGARIEN, OSO-, VELEKA-FLUSS (WETEKA-), AHTOPOL* ,	42.1	27.95	Leuciscus souffia agassizi Valenciennes, 1844	Telestes	souffia	agassizi	Telestes souffia agassizi	SUBSPECIES
							Gobio kessleri				Romanooobio	

BACK

CONFIRM

[WEBSERVICES](#)[USE CASES](#)[RUN SERVICES](#)[RESULTS](#)[USER GUIDE](#)TOBIAS 

✓ Upload File ——— ✓ Select services ——— ✓ Validate services ——— ✓ Confirm columns ——— 5 Run job

All steps completed. Your job is in progress.

✓ Success! To submit another job, click on the button 'new job'. To view all jobs, click on the button 'results'.

<https://www.lifewatch.be/e-lab?jobid=85894ad9d62ce556ece710111d63a4efe49bd283>

[NEW JOB](#)[RESULTS](#)

WEBSERVICES USE CASES RUN SERVICES RESULTS USER GUIDE				TOBIAS 
Search results by original file name				
Job submitted_at	Original file	Job status	Actions	
2026-07-02 13:50	occurrence_mod.txt			 
2026-07-02 11:12	occurrence_mod_BlackSea_Matched.txt			
2026-07-02 11:09	occurrence_bulgaria_mixed taxa_WoRMS unmatched.txt			
2026-07-02 10:48	occurrence_Bulgaria_mixed taxa.txt			
2026-07-01 17:13	occurrence_mod_Black Sea only.txt			

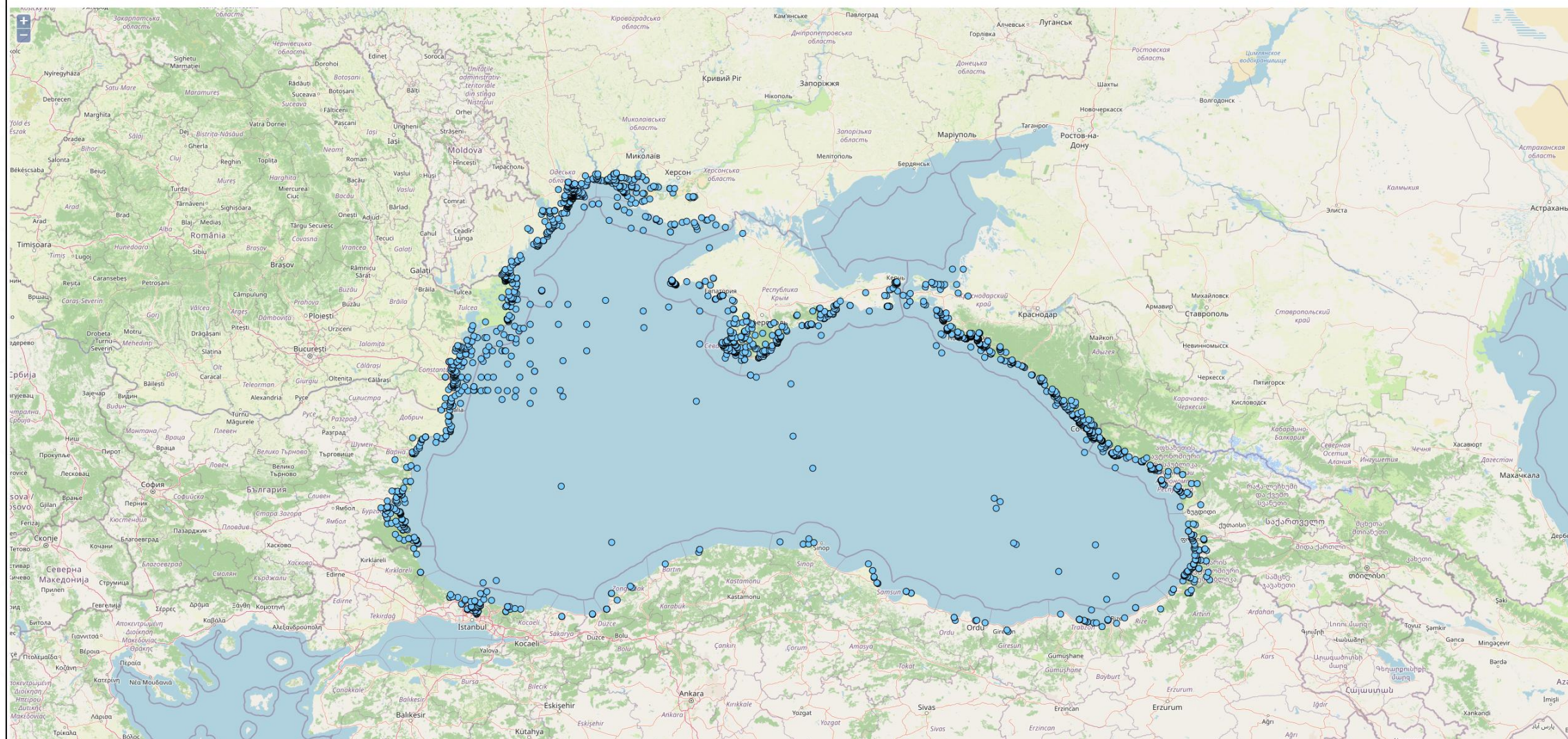
Example workflow

- starting dataset: GBIF download of Teleostei (fish) from the Black Sea, selected by a polygon drawn on the map
- main steps: add missing coordinates – limit to Black Sea – check names – identify areas – add parameters

1. Quick data QC

- services: Data validation and QC services: Data format validation and Show on map
 - input file: occurrence_mod.txt
 - results file: e-lab online map
- Explore the results: online map

Show on map





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TOBIAS

Discover webservices

 Search services by name

Marine +

Brackish +

Freshwater +

Taxonomy +

Environmental data +

Occurrences +

Global +

Regional +

North Sea +

Belgian Part of North Sea +

Aphia/WoRMS +

EMODnet +

Bio-Oracle +

OBIS +

Marine Regions +

Geographic Regions +

Name
▼ Data validation and QC services
▼ EMODnet Biology
▼ Geographical services - Administrative boundaries
▼ Geographical services - Bathymetry
▼ Geographical services - Biogeographical classification
▼ Geographical services - Environmental data
▼ Geographical services - Features
▼ Geographical services - Total biological valuation
▼ MarineRegions gazetteer services
▼ Other taxon services
▼ Taxon match services
▼ Taxon match services WoRMS Regional Species Databases
▼ Taxon match services WoRMS Thematic Species Databases
▼ Taxon observations
▼ Tidal services

2. Complete missing coordinates: MarineRegions gazetteer services

no demo here: locality names matched with MarineRegions to add coordinates to your dataset

Geographical services,
including Marine Regions gazetteer



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[Events](#)
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[USE CASES](#)
[RUN SERVICES](#)
[RESULTS](#)
[USER GUIDE](#)

TOBIAS


Discover webservices

Marine +

Brackish +

Freshwater +

Taxonomy +

Environmental data +

Occurrences +

Global +

Regional +

North Sea +

Belgian Part of North Sea +

Aphia/WoRMS +

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OBIS +

Marine Regions +

Geographic Regions +

Name
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▼ Taxon observations
▼ Tidal services

Marineregions.org
towards a standard for georeferenced marine names

MarineRegions gazetteer services

Geographical services - Total biological valuation

MarineRegions gazetteer services

SERVICES

Name	Source	Description	Status	Actions
▼ Get lat-long by mrgid	MarineRegions	The service returns the latitude and longitude of the centroid and the preferred gazetteer name of a Marine Regions ID (MRGID), based on the MRGID in the uploaded data file. Webservice information http://www.marineregions.org/gazetteer.php?p=webservices The service returns the Marine Regions gazetteer name and the Marine Regions ID (MRGID) of the bounding box (radius 3) based on the Latitude and Longitude in the uploaded data file.	✔ Service available	RUN WEBSERVICE
▼ Get gazetteer name by Lat-long	MarineRegions	Webservice information http://www.marineregions.org/gazetteer.php?p=webservices The service returns the latitude, longitude, accepted gazetteer name and the Marine Regions ID (MRGID) of a given gazetteer name in the uploaded data file.	✔ Service available	RUN WEBSERVICE
^ Get lat-long by accepted name	MarineRegions	Webservice information http://www.marineregions.org/gazetteer.php?p=webservices	✔ Service available	RUN WEBSERVICE

Input columns:

Location

Output columns:

added_row_ws

Longitude_by_acceptedname

Latitude_by_acceptedname

mrgid_by_acceptedname

matched_acceptedname

3. Limit to Black Sea

- service: Geographical services - Administrative boundaries: IHO Sea areas
 - input file: occurrence_mod.txt
 - results file: occurrence_mod_MRG IHO.txt

Discover webservice

Search services by name

Marine + Brackish + Freshwater + Taxonomy + Environmental data + Occurrences + Global + Regional + North Sea + Belgian Part of North Sea + Aphia/WoRMS +
EMODnet + Bio-Oracle + OBIS + Marine Regions + Geographic Regions +

Name

▼

Data validation and QC services

▲

Geographical services - Administrative boundaries

SERVICES

	Name	Source	Description	Status	Actions
▼	Exclusive Economic Zones	Marine Regions		✓ Service available	RUN WEBSERVICE
▼	FAO Fishing areas	Marine Regions, based on FAO		✓ Service available	RUN WEBSERVICE
▼	ICES Ecoregions	International Council for the Exploration of the Sea (ICES)		✓ Service available	RUN WEBSERVICE
▲	IHO Sea areas	Marine Regions, based on IHO (International Hydrographic Organization)		✓ Service available	RUN WEBSERVICE
Input columns: Longitude Latitude					
Output columns: required_fields_check longitude_check latitude_check					
▼	Intersect of the EEZ and IHO	Marine Regions		✓ Service available	RUN WEBSERVICE

3. Limit to Black Sea

- service: Geographical services - Administrative boundaries / IHO Sea areas
 - input file: occurrence_mod.txt
 - results file: occurrence_mod_MRG IHO.txt
- Explore the results:
 - Black Sea, Sea of Azov, Sea of Marmara
 - blanks = No value for these coordinates = outside of IHO localities

4. Check validity of names: Taxon match services

- for marine species, use the WoRMS (World Register of Marine Species) Taxon match: Taxon Match services: Taxon match World Register of Marine Species (WoRMS)
 - input demo file: occurrence_mod_Black Sea only.txt
 - result demo file: occurrence_mod_black sea only_WoRMS taxon match.txt

Discover webservices

Search services by name

Marine + Brackish + Freshwater + Taxonomy + Environmental data + Occurrences + Global + Regional + North Sea + Belgian Part of North Sea +
 AlphaWoRMS + EMOdnet + Bio-Oracle + OBIS + Marine Regions + Geographic Regions +

Name
▼ Data validation and QC services
▼ EMOdnet Biology
▼ Geographical services - Administrative boundaries
▼ Geographical services - Bathymetry
▼ Geographical services - Biogeographical classification
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▼ Taxon observations
▼ Tidal services

Taxon match services				
SERVICES				
Name	Source	Description	Status	Actions
▼ Taxon match Pan-European Species Infrastructure (PESI)	PESI	The service matches your taxon list with the Pan-European Species directories Infrastructure database (PESI), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
Webservice information http://www.eu-nomen.eu/portal/webservices.php				
▼ Taxon match Paleobiology Database (Paleo)	PaleoDB	The service matches your taxon list with the Paleobiology Database (PaleoDB), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
▼ Taxon match Integrated Taxonomic Information System (ITIS)	ITIS	The service matches your taxon list with the Integrated Taxonomic Information System (ITIS), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
▼ Taxon match Global Names Index (GNI)	GNI	The service matches your taxon list with the Global Names Index (GNI), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
▼ Taxon match Index Fungorum (IF)	Index Fungorum	The service matches your taxon list with the Index Fungorum (IF) database, based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
▼ Taxon match International Plant Name Index (IPNI)	IPNI	The service matches your taxon list with the International Plant Names Index (IPNI), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
▼ Taxon match World Register of Marine Species (WoRMS)	WoRMS	The service matches your taxon list with the World Register of Marine Species (WoRMS), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
▼ Taxon match Interim Register of Marine and Nonmarine Genera (IRMNG)	IRMNG	The service matches your taxon list with the Interim Register of Marine and Nonmarine Genera (IRMNG), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
▼ Taxon matchfile Algaebase	AlgaeBase	The service matches your taxon list with the global algal database of taxonomic, nomenclatural and distributional information (AlgaeBase), based on the ScientificName in the uploaded data file.	Service available	RUN WEBSERVICE
Webservice information https://www.algaebase.org/				

Discover webservices

Search services by name

[Marine](#)
[Brackish](#)
[Freshwater](#)
[Taxonomy](#)
[Environmental data](#)
[Occurrences](#)
[Global](#)
[Regional](#)
[North Sea](#)
[Belgian Part of North Sea](#)

[AlphaWoRMS](#)
[EMODnet](#)
[Bio-Oracle](#)
[OBIS](#)
[Marine Regions](#)
[Geographic Regions](#)

Name
Data validation and QC services
EMODnet Biology
Geographical services - Administrative boundaries
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Taxon match services WoRMS Regional Species Databases

SERVICES

Name	Source	Description	Status	Actions
▼ Taxon match African Register of Marine Species (AfReMaS)	African Register of Marine Species (AfReMaS)	The service matches your taxon list with the African Register of Marine Species (AfReMaS), based on the ScientificName in the uploaded data file.	✓ Service available	RUN WEBSERVICE
▼ Taxon match Belgian Register of Marine Species (BeRMS)	Belgian Register of Marine Species (BeRMS)	The service matches your taxon list with the Belgian Register of Marine Species (BeRMS), based on the ScientificName in the uploaded data file.	✓ Service available	RUN WEBSERVICE
▼ Taxon match Register of Antarctic Marine Species (RAMS)	Register of Antarctic Marine Species (RAMS)	The service matches your taxon list with the Register of Antarctic Marine Species (RAMS), based on the ScientificName in the uploaded data file.	✓ Service available	RUN WEBSERVICE

Taxon match services WoRMS Thematic Species Databases

SERVICES

Name	Source	Description	Status	Actions
▼ Taxon match IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae (HAB)	IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae (HAB)	The service matches your taxon list with the IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae (HAB), based on the ScientificName in the uploaded data file.	✓ Service available	RUN WEBSERVICE
▼ Taxon match World Register of Deep-Sea Species (WoRDSS)	World Register of Deep-Sea Species (WoRDSS)	The service matches your taxon list with the World Register of Deep-Sea Species (WoRDSS), based on the ScientificName in the uploaded data file.	✓ Service available	RUN WEBSERVICE
▼ Taxon match World Register of Marine Introduced Species (WRIMS)	World Register of Marine Introduced Species (WRIMS)	The service matches your taxon list with the World Register of Marine Introduced Species (WRIMS), based on the ScientificName in the uploaded data file.	✓ Service available	RUN WEBSERVICE
▼ Taxon match World Register of marine Cave Species (WoRCS)	World Register of marine Cave Species (WoRCS)	The service matches your taxon list with the World Register of marine Cave Species (WoRCS), based on the ScientificName in the uploaded data file.	✓ Service available	RUN WEBSERVICE

4. Check validity of names: Taxon match services

- for marine species, use the WoRMS (World Register of Marine Species) Taxon match: Taxon Match services: Taxon match World Register of Marine Species (WoRMS)
 - input demo file: occurrence_mod_Black Sea only.txt
 - result demo file: occurrence_mod_black sea only_WoRMS taxon match.txt
- Explore results:
 - matches: exact match, near 1, near 2, phonetic
 - fuzzy matches(exact) : more than one possibility
 - no match found: needs further study; here many are freshwater, Planiliza soiuy is a mix of scientific genus name and common name (Planiliza haematocheilus = So-iuy mullet)

Other services are available to match (non-marine) species: PESI, PaleoBase, ITIS, GNI, IPNI, Index Fungorum, IRMNG, AlgaeBase

4. Check validity of names: Taxon match services

- Use Case 5: cascade of webservices to perform name matching:
(<https://lifewatch.github.io/elab-documentation/docs/use-cases.html>)
 1. WoRMS Taxon Match
 2. GN (Global Names) parser
 3. IRMNG (Interim Register of Marine and Non-Marine Genera) Taxon Match



[About](#)
[Data & services](#)
[User stories](#)
[News](#)
[Events](#)
[Contact](#)

[WEBSERVICES](#)
[USE CASES](#)
[RUN SERVICES](#)
[RESULTS](#)
[USER GUIDE](#)

Discover webservices

Search services by name

[Marine](#)
[Brackish](#)
[Freshwater](#)
[Taxonomy](#)
[Environmental data](#)
[Occurrences](#)
[Global](#)
[Regional](#)
[North Sea](#)
[Belgian Part of North Sea](#)

[Aphia/WoRMS](#)
[EMODnet](#)
[Bio-Oracle](#)
[OBIS](#)
[Marine Regions](#)
[Geographic Regions](#)

Name
Data validation and QC services
EMODnet Biology
Geographical services - Administrative boundaries
Geographical services - Bathymetry
Geographical services - Biogeographical classification
Geographical services - Environmental data
Geographical services - Features
Geographical services - Total biological valuation
MarineRegions gazetteer services
Other taxon services
Taxon match services
Taxon match services WoRMS Regional Species Databases
Taxon match services WoRMS Thematic Species Databases
Taxon observations
Tidal services



[WEBSERVICES](#)
[USE CASES](#)
[RUN SERVICES](#)
[RESULTS](#)
[USER GUIDE](#)

Discover use cases ⓘ



The #marinespecies name determiner

matches your scientific names against the World Register of Marine Species and in the absence of an exact match also against the Interim Register of Marine and Nonmarine Genera

Contains 3 services.

- Taxon match World Register of Marine Species (WoRMS)
- Global Names Parser (GNparser)
- Taxon match Interim Register of Marine and Nonmarine Genera (IRMNG)

[RUN USE CASE](#)
[Learn more](#)

- 1 Upload File — 2 Select services — 3 Validate services — 4 Confirm columns — 5 Run job

1. Upload your file

Select one of the demo data files and choose from several web services, models and applications to process the data. To work with other data files, please log in. If you are new to this service, please read the manual.

DEMO FILE

CUSTOM FILE

Select a file by clicking or dragging it here

Selected file(s)

occurrence_mod_Black Sea only.txt - bytes 

2. File options

☒ First row contains column names

Column delimiter

Decimal symbol

Tab

Point(.)

WEBSERVICES
USE CASES
RUN SERVICES
RESULTS
USER GUIDE

TOBIAS

1 Upload File
2 Select services
3 Validate services
4 Confirm columns
5 Run job

Services of use case 5 selected. Click 'Next' to continue.

CHANGE OPTION

2. Predefined cases

USE CASE 5:

The #marinespecies name determiner



Interim Register of Marine and Nonmarine Genera

The #marinespecies name determiner

matches your scientific names against the World Register of Marine Species and in the absence of an exact match also against the Interim Register of Marine and Nonmarine Genera

Contains 3 services.

Taxon match World Register of Marine Species (WoRMS)

Global Names Parser (GNparser)

Taxon match Interim Register of Marine and Nonmarine Genera (IRMING)

REMOVE

Learn more

BACK
NEXT

3. Validate selected services

1 Taxon match World Register of Marine Species (WoRMS)

The service matches your taxon list with the World Register of Marine Species (WoRMS), based on the ScientificName in the uploaded data file.

Required input fields:

ScientificName

Output fields:

[taxonmatch_matchcount_WORMS](#)
[taxonmatch_note_WORMS](#)
[aphiaid_WORMS](#)
[valid_aphiaid_WORMS](#)
[name_aphia_WORMS](#)
[accepted_name_aphia_WORMS](#)
[status_aphia_WORMS](#)

[environment_aphia_WORMS](#)

2 Global Names Parser (GNparser)

GNparser splits scientific names into their semantic elements with an associated meta information

Required input fields:

ScientificName

Output fields:

cardinality_gna uninomial_gna rank_gna genus_gna species_gna infraspecies_1_value_gna infraspecies_2_value_gna infraspecies_2_rank_gna infraspecies_3_value_gna infraspecies_3_rank_gna

author_gna year_gna parsed_gna normalized_gna canonical_full_gna infraspecies_1_rank_gna

3 Taxon match Interim Register of Marine and Nonmarine Genera (IRMNG)

The service matches your taxon list with the Interim Register of Marine and Nonmarine Genera (IRMNG), based on the ScientificName in the uploaded data file.

Required input fields:

ScientificName

Output fields:

IRMING_ID url_IRMING scientificname_IRMING environment_IRMING isExtinct_IRMING taxonmatch_matchcount_IRMING taxonmatch_note_IRMING rank_IRMING status_IRMING unacceptreason_IRMING

valid_IRMING_ID_IRMING valid_name_IRMING valid_authority_IRMING

5. Identify EEZs and Bulgarian part of the Black Sea

- 2 services in 1 go: Geographical services - Administrative boundaries: Exclusive Economic Zones and Intersect of the EEZ and IHO
 - input file: occurrence_mod_BlackSea_Matched.txt
 - results files: occurrence_mod_blacksea_matched_EEZ.txt;
occurrence_mod_blacksea_matched_Intersect.txt

 You have 2 webservices selected. Select additional webservices in the table below or click 'Next' to continue.

[CHANGE OPTION](#)

2. Custom webservices

Marine +

Brackish +

Freshwater +

Taxonomy +

Environmental data +

Occurrences +

Global +

Regional +

North Sea +

Belgian Part of North Sea +

Aphia/WoRMS +

EMODnet +

Bio-Oracle +

OBIS +

Marine Regions +

Geographic Regions +

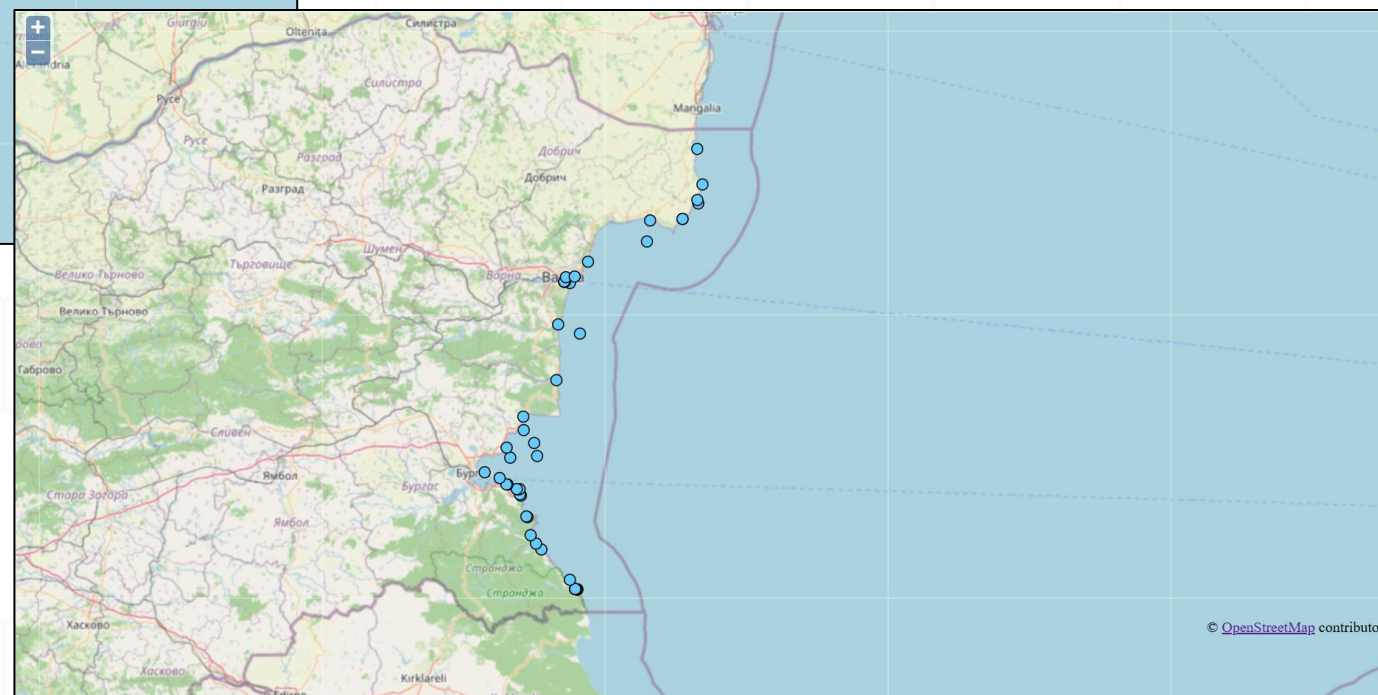
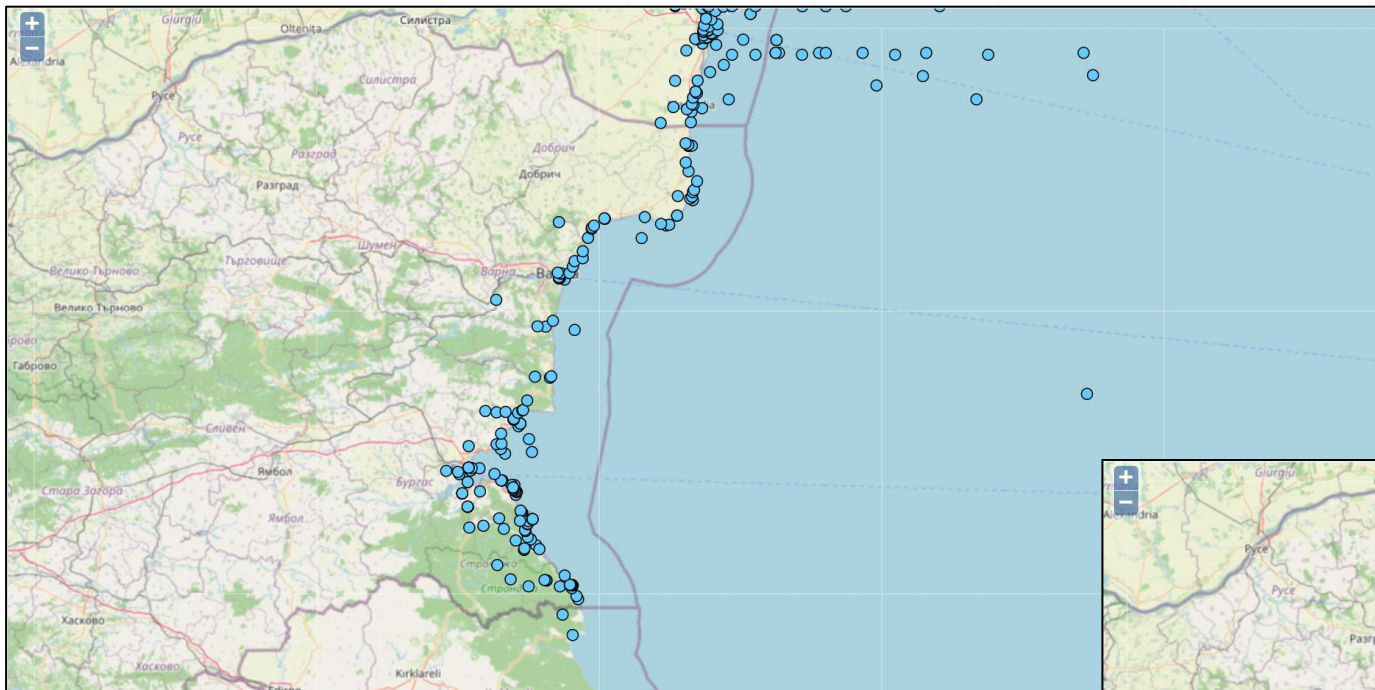
Name			
Data validation and QC services			
Geographical services - Administrative boundaries			
SERVICES			
Name	Source	Description	Status
☒ Exclusive Economic Zones	Marine Regions		 Service available
☐ FAO Fishing areas	Marine Regions, based on FAO		 Service available
☐ ICES Ecoregions	International Council for the Exploration of the Sea (ICES)		 Service available
☒ IHO Sea areas	Marine Regions, based on IHO (International Hydrographic Organization)		 Service available
☐ Intersect of the EEZ and IHO	Marine Regions		 Service available
☐ World countries	ESRI - Environmental Systems Research Institute	Returns the country based on latitude and longitude.	 Service available

5. Identify EEZs and Bulgarian part of the Black Sea

- services: Geographical services - Administrative boundaries: Exclusive Economic Zones and Intersect of the EEZ and IHO
 - input file: occurrence_mod_BlackSea_Matched.txt
 - results files: occurrence_mod_blacksea_matched_EEZ.txt;
occurrence_mod_blacksea_matched_Intersect.txt
- Explore the results

6. Plot distributions

- services: Data validation and QC services: Show on map
 - input file: occurrence_mod_blacksea_matched_Intersect_Bulgaria.txt;
occurrence_mod_blacksea_matched_EEZ_Bulgaria.txt
 - results file: e-lab online map



7 - 8 - ... Next steps?

Add bathymetry

Geographical services - Bathymetry					
SERVICES					
	Name	Source	Description	Status	Actions
▼	Bathymetry Southern Bight of the North Sea (polygons)	Limited Atlas of the Belgian Part of the North Sea	Returns the depth based on latitude and longitude.	✔ Service available	RUN WEBSERVICE
▼	GEBCO bathymetrie (resolution: 30 arcsec grid)	GEBCO		✔ Service available	RUN WEBSERVICE
▼	MARSPEC: global marine bathymetrie (Resolution: 30 arc seconds)	MARSPEC	Returns the depth based on latitude and longitude	✔ Service available	RUN WEBSERVICE

7 – 8 - ... Next steps?

Add bathymetry, or environmental data, to e.g. establish habitat preferences

Geographical services - Environmental data					
SERVICES					
	Name	Source	Description	Status	Actions
▼	Calcite (mean) [mol/m ³]	Bio-ORACLE: Ocean Rasters for Analysis of CLimate and Environment	Returns the Calcite concentration (mean) based on latitude and longitude.	 Service available	RUN WEBSERVICE
▼	Chlorophyll A (maximum) [mol/m ³]	Bio-ORACLE: Ocean Rasters for Analysis of CLimate and Environment	Returns the Chlorophyll A (maximum) based on latitude and longitude.	 Service available	RUN WEBSERVICE
▼	Chlorophyll A (mean) [mol/m ³]	Bio-ORACLE: Ocean Rasters for Analysis of CLimate and Environment	Returns the Chlorophyll A (mean) based on latitude and longitude.	 Service available	RUN WEBSERVICE
▼	Chlorophyll A (minimum) [mol/m ³]	Bio-ORACLE: Ocean Rasters for Analysis of CLimate and Environment	Returns the Chlorophyll A (minimum) based on latitude and longitude.	 Service available	RUN WEBSERVICE
▼	Chlorophyll A (range) [mol/m ³]	Bio-ORACLE: Ocean Rasters for Analysis of CLimate and Environment	Returns the Chlorophyll A (range) based on latitude and longitude.	 Service available	RUN WEBSERVICE

7 – 8 - ... Next steps?

Add bathymetry, or environmental data, or terrestrial biological valuation, or match to the IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae or the World Register of Introduced species, find other observations from the area, find gazetteer names from coordinates, find your names in databases for Paleobiology, in IPNI, ITIS, PESI, get MRGID then OBIS records from the area, ...

Name	Source
Taxon match Pan-European Species Infrastructure (PESI) PESI	
Taxon match Paleobiology Database (Paleo) PaleoDB	
Taxon match Integrated Taxonomic Information System (ITIS) ITIS	

Taxon match Pan-European Species Infrastructure (PESI) PESI	
Taxon match Paleobiology Database (Paleo) PaleoDB	
Taxon match Integrated Taxonomic Information System (ITIS) ITIS	
Taxon match Global Names	
Terrestrial Biological Valuation (v22) INBO - Instituut voor Natuur Bosonderzoek	
The marine biological valuation map of the Belgian Part of the BWZEE: A Biological Valuat	

Name	Source	Descript
Taxon match IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae (HAB) IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae (HAB)		The ser Referen Scientifi
Taxon match World Register of Deep-Sea Species (WoRDSS) World Register of Deep-Sea Species (WoRDSS)		The ser Species file.
Taxon match World Register of Marine Introduced Species (WRIMS) World Register of Marine Introduced Species (WRIMS)		The ser Introduc uploade
Taxon match World Register of marine Cave Species (WoRCS) World Register of marine Cave Species (WoRCS)		The ser Cave Sp data file
Get lat-long by mrgid MarineRegions		
Get gazetteer name by Lat-long MarineRegions		
The service returns the Marine Regions gazetteer name and the Marine Regions ID (MRGID) of the bounding box (radius 3) based on the Latitude and Longitude in the uploaded data file. Service available Web service information http://www.marinerregions.org/gazetteer.php?n=webservices		

Establishing workflows: LifeWatch.be data services and e-lab

Backbone data services and the e-lab allow to answer questions combining data systems:

- ✓
 - Where does species X appear?
 - Which (macro)benthic species live in the North Sea up to 200 meter deep?
 - Which alien species are known to occur in the Mediterranean Sea?
- ✓
 - How does my species list relate to the African Register of Marine Species?
 - Which species from the Habitat/Bird Directive are on the IUCN Red List?

services related to e.g.
mapping, Marine Regions, OBIS

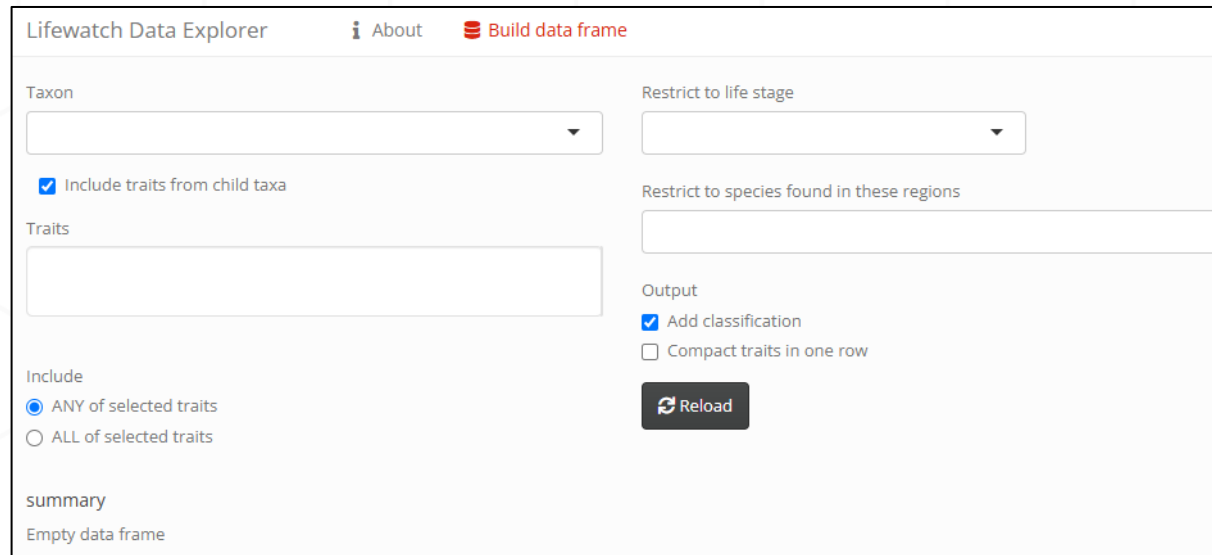


<https://www.lifewatch.be/e-lab>

<https://www.lifewatch.be/data-services>

taxon matching to regional species databases

- Marine traits portal: <https://marinespecies.org/traits/aphia.php?p=attributes>
- Three main types of traits documented:
 - biological and ecological traits-specific characteristics of a taxon (e.g. body size or feeding type)
 - taxonomic traits (e.g. paraphyletic groups)
 - human-defined traits (e.g. Red List species)

A screenshot of the Lifewatch Data Explorer web application. The interface is light gray with a white header bar. The header bar contains the title "Lifewatch Data Explorer" on the left, and two links "About" and "Build data frame" on the right. Below the header, the interface is divided into several sections. On the left, there is a "Taxon" section with a dropdown menu, a checkbox "Include traits from child taxa" which is checked, and a "Traits" section with a text input field. Below these is an "Include" section with two radio buttons: "ANY of selected traits" (which is selected) and "ALL of selected traits". At the bottom left is a "summary" section with the text "Empty data frame". On the right side, there is a "Restrict to life stage" section with a dropdown menu, a "Restrict to species found in these regions" section with a text input field, and an "Output" section with two checkboxes: "Add classification" (checked) and "Compact traits in one row" (unchecked). At the bottom right of the form is a dark gray button with a circular arrow icon and the text "Reload".



[Intro](#) | [About](#) | [Wiki](#) | [Search traits](#) | [Data explorer](#) | [Literature](#) | [Definitions](#) | [Sources](#) | [Webservices](#) | [Statistics](#) | [Feedback](#) | [Editors](#) | [Log in](#)

Definitions

Expand all Collapse all Search...		
Attributes/Values	Definitions	SourceID
+ AMBI ecological group	AZTI's Marine Biotic Index ecological group	
+ Asexual reproduction	Reproduction which does not involve formation and fusion of gametes and results in progeny with an identical genetic constitution to the parent and to each other. Reproduction may occur by binary fission, budding, asexual spore formation or vegetative propagation. In asexual division in eukaryotic organisms, all cell divisions are by mitosis.	424973
+ Life stage	(click on Life stage at the bottom of the page to expand)	
+ Locality (MRGID)	Marine Regions Geographic IDentifier (MRGID) for a place name in the Marine Regions gazetteer	
- Body shape	The general shape of the body of an organism.	
branched	Forming main and lateral branches (and branchlets) (macroalgae thallus; Womersley, 1987).	345374
capitate	(1) Enlarged or swollen at tip; (2) Gathered into a mass at tip of stem or apex (Adapted from Lawrence, 2005 - Henderson's dictionary of Biology).	424973
crustose	Forming a thin crust on the substratum, appl. certain lichens, sponges, algae (adapted from Henderson's Dictionary of Biology; Lawrence, 2005).	424973
cushion-like	Approximating the shape of a cushion (macroalgae thallus; Womersley, 1987).	345374
discoid	(1) Flat and circular; (2) Disc-shaped (Henderson's Dictionary of Biology; Lawrence, 2005).	424973
erect	Upright; (1) appl. ovule, directed towards summit of ovary; (2) appl. plants, growing upright, not decumbent.	424973
filamentous	Existing out of a branched or unbranched row of cells joined end to end (macroalgae thallus; Womersley, 1987).	345374

Trait definitions:
<https://marinespecies.org/traits/aphia.php?p=attrdefinitions>

Lifewatch Data Explorer

About

Build data frame

Taxon

☒ Include traits from child taxa

Traits

Include

☒ ANY of selected traits

☐ ALL of selected traits

summary

Empty data frame

Restrict to life stage

Restrict to species found in these regions

Output

☒ Add classification

☐ Compact traits in one row

Reload

<https://rshiny.vsc.lifewatch.be/traits-data/>

Which (macro)benthic species live in the North Sea up to 200 meter deep?

Lifewatch Data Explorer

About

Build data frame

Taxon

Animalia

Restrict to life stage

☒ Include traits from child taxa

Restrict to species found in these regions

North Sea (IHO)

Traits

Functional group: benthos

+ ☐ Trophic level

- ☐ Zonation

☐ Benthic zones

☐ Benthic zones > Abyssal zone (4000-6000 m)

☐ Benthic zones > Bathyal zone (200-4000 m)

☐ Benthic zones > Hadal zone (deeper than 6000 m)

☒ Benthic zones > Littoral zone (0-200 m)

☐ Benthic zones > Littoral zone (0-200 m) > Eulittoral zone/Mediolittoral zone/Intertidal zone

Output

☒ Add classification

☐ Compact traits in one row

Reload

Which (macro)benthic species live in the North Sea up to 200 meter deep?

Lifewatch Data Explorer
About
Build data frame
Data table
Download
[TOBIAS.MUSSCHOOT@VLIZ.BE]

Taxon
Animalia

☒ Include traits from child taxa

Traits
Functional group: benthos, Zonation: Benthic zones %3E%0A Littoral zone (0-200 m)

Include
☐ ANY of selected traits
☒ ALL of selected traits

summary
Dim: 77 x 23

Restrict to life stage

Restrict to species found in these regions
North Sea (IHO)

Output
☒ Add classification
☐ Compact traits in one row

Drop these columns
empty columns

Execute

Reload

	Column	Description	Type	Summary
1	Aphiaid	Unique identifier for a taxon in WoRMS.	numeric	Min: 100800 Median: 128500 Max: 1380000 SD:310400
2	Scientificname	Scientific name of the taxon.	factor	Alcyonium: 4 Eunicea succinea: 4 Parazoanthus axinellae: 3 Others: 33
3	Scientificnameauthorship	Scientific authority of the taxon.	factor	Linnaeus, 1758: 10 (Pallas, 1766): 8 (Müller, 1776): 4 Others: 27
4	Life stage	Life stage of the taxon. [more]	factor	adult: 64

Which (macro)benthic species live in the North Sea up to 200 meter deep?

Lifewatch Data Explorer
About
Build data frame
Data table
Download

Column visibility

Showing 1 to 77 of 77 entries

	Aphiaid	Scientificname	Scientificnameauthorship	Life stage	Functional group	Zonation	Taxonrankid	Hightaxonid	Kingdom	Phylum	Class	Order	Family
1	173340	Primnois	Studer & Wright, 1887	adult	benthos > megabenthos		180	1544107	Animalia	Cnidaria	Octocorallia	Scleralcyonacea	Mopseidae
2	173340	Primnois	Studer & Wright, 1887	adult		Benthic zones > Littoral zone (0-200 m) > Sublittoral zone/Subtidal zone > Infralittoral zone	180	1544107	Animalia	Cnidaria	Octocorallia	Scleralcyonacea	Mopseidae
3	1048079	Fimbriaphyllia yaeyamaensis	(Shirai, 1980)	adult	benthos > macrobenthos		220	1047875	Animalia	Cnidaria	Hexacorallia	Scleractinia	Euphylliidae
4	1048079	Fimbriaphyllia yaeyamaensis	(Shirai, 1980)			Benthic zones > Littoral zone (0-200 m) > Sublittoral zone/Subtidal zone > Infralittoral zone	220	1047875	Animalia	Cnidaria	Hexacorallia	Scleractinia	Euphylliidae
5	189902	Alcyonium cydonium	Linnaeus, 1767 sensu Esper, 1829	adult	benthos > megabenthos		220	125284	Animalia	Cnidaria	Octocorallia	Malacalcyonacea	Alcyoniidae
6	189902	Alcyonium cydonium	Linnaeus, 1767 sensu Esper, 1829	adult		Benthic zones > Littoral zone (0-200 m) > Sublittoral zone/Subtidal zone > Infralittoral zone	220	125284	Animalia	Cnidaria	Octocorallia	Malacalcyonacea	Alcyoniidae
7	100793	Parazoanthus	Haddon & Shackleton, 1891	adult	benthos > macrobenthos		180	100689	Animalia	Cnidaria	Hexacorallia	Zoantharia	Parazoanthidae

Plot options

Dim: 77 x 23

Dynamic filters

Pagelength
100

Which (macro)benthic species live in the North Sea up to 200 meter deep?

Demofile: Animalia_benthos_0-200m_North Sea.tab

Lifewatch Data Explorer

About

Build data frame

Data table

Download

Download data frame to file

Name for tab seperated file (add ".gz" to gzip)

LW_Traits_data__downloaded_on_2026-07-03-10-26.tab

To File

Temporarily save data frame to mongo data set for later use on VSC

Name for mongo dataset

Registration to mongo group required

Share the status of this data explorer session

Bookmark link

Which alien species are known to occur in the Mediterranean Sea?

Taxon

Restrict to life stage

Drop these columns

empty columns

☒ Include traits from child taxa

Traits

Introduced species, Introduced species: yes

Restrict to species found in these regions

Mediterranean Sea - Eastern Basin (IHO)

Output

☒ Add classification

☐ Compact traits in one row

Include

☒ ANY of selected traits

☐ ALL of selected traits

summary

Dim: 11236 x 23

Reload

Execute

Column	Description	Type	Summary
1 Aphiaid	Unique identifier for a taxon in WoRMS.	numeric	Min: 100900 Median: 146400 Max: 1809000 SD:298300
2 Scientificname	Scientific name of the taxon.	factor	Anthemis cotula: 127 Callinectes sapidus: 108 Cordylophora caspia: 107 Others: 2045
3 Scientificnameauthorship	Scientific authority of the taxon.	factor	(Linnaeus, 1758): 442 L.: 381 (Forsskål, 1775): 190 Others: 1520
4 Trait_observed_in	Distribution based on literature that is linked to a certain trait (e.g. Copepods can have different body sizes in different areas).	factor	Israeli part of the Mediterranean Sea - Eastern Basin: 515 Turkish part of the Mediterranean Sea - Eastern Basin: 393 Mediterranean Sea: 391 Others: 806 NA's: 717
5 Introduced species		factor	Constant: yes

Which alien species are known to occur in the Mediterranean Sea?

Demofile: Introduced_mediterranean east.tab

Lifewatch Data Explorer

About

Build data frame

Data table

Download

Column visibility

Showing 1 to 100 of 11,236 entries

	Aphiaid	Scientificname	Scientificnameauthorship	Trait_observed_in	Introduced species	Taxonrankid	Hightaxonid	Kingdom	Phylum	Class	Order	Family	
	1	100872	Diadumene cincta	Stephenson, 1925	Atlantic Europe	yes	220	100728	Animalia	Cnidaria	Hexacorallia	Actiniaria	Diadumenidae
	2	100872	Diadumene cincta	Stephenson, 1925	Mediterranean Sea	yes	220	100728	Animalia	Cnidaria	Hexacorallia	Actiniaria	Diadumenidae
	3	100872	Diadumene cincta	Stephenson, 1925	North Sea	yes	220	100728	Animalia	Cnidaria	Hexacorallia	Actiniaria	Diadumenidae
	4	100872	Diadumene cincta	Stephenson, 1925	United States part of the North Pacific Ocean	yes	220	100728	Animalia	Cnidaria	Hexacorallia	Actiniaria	Diadumenidae
	5	100872	Diadumene cincta	Stephenson, 1925	Italian part of the Adriatic Sea	yes	220	100728	Animalia	Cnidaria	Hexacorallia	Actiniaria	Diadumenidae
	6	100982	Metridium senile	(Linnaeus, 1761)	Argentinean part of the South Atlantic Ocean	yes	220	100770	Animalia	Cnidaria	Hexacorallia	Actiniaria	Metridiidae
	7	100982	Metridium senile	(Linnaeus, 1761)	Chilean part of the South Pacific Ocean	yes	220	100770	Animalia	Cnidaria	Hexacorallia	Actiniaria	Metridiidae
	8	100982	Metridium senile	(Linnaeus, 1761)	Chilean part of the South Pacific Ocean	yes	220	100770	Animalia	Cnidaria	Hexacorallia	Actiniaria	Metridiidae
	9	100982	Metridium senile	(Linnaeus, 1761)	Chilean part of the South Pacific Ocean	yes	220	100770	Animalia	Cnidaria	Hexacorallia	Actiniaria	Metridiidae
	10	100982	Metridium senile	(Linnaeus, 1761)	Overlapping claim Falkland / Malvinas Islands: United Kingdom / Argentina part of the South Atlantic Ocean	yes	220	100770	Animalia	Cnidaria	Hexacorallia	Actiniaria	Metridiidae
	11	100982	Metridium senile	(Linnaeus, 1761)	South African Coast	yes	220	100770	Animalia	Cnidaria	Hexacorallia	Actiniaria	Metridiidae



Which species from the Habitat/Bird Directive are on the IUCN Red List?

Lifewatch Data Explorer

About

Build data frame

Data table

Download

Taxon

Restrict to life stage

☒ Include traits from child taxa

Restrict to species found in these regions

Traits

Species importance to society: Habitats Directive, Species importance to society: IUCN Red List

Output

☒ Add classification

☐ Compact traits in one row

Reload

Include

☐ ANY of selected traits

☒ ALL of selected traits

summary

Dim: 768 x 26

	Column	Description	Type	Summary
1	Aphiaid	Unique identifier for a taxon in WoRMS.	numeric	Min: 101200 Median: 232000 Max: 1816000 SD:562000
2	Scientificname	Scientific name of the taxon.	factor	Alosa immaculata: 4 Balaenoptera physalus: 4 Coregonus baerli: 4 Others: 313
3	Scientificnameauthorship	Scientific authority of the taxon.	factor	(Linnaeus, 1758): 177 Linnaeus, 1758: 116 (Linnaeus, 1766): 20 Others: 147

And many more, so explore and build
your own, custom queries and workflows!





The LifeWatch ERIC Biodiversity & Ecosystem eScience Conference

PLOVDIV, BULGARIA

7-10 JULY 2026

THANK YOU!

Questions?

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