



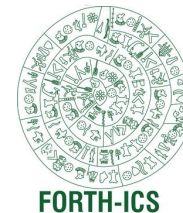
LifeWatch Greece web and mobile application for the R environment

by Christos Arvanitidis

Contributors: Anastasios Oulas, Alexandros Gougousis, Irene Filiopoulou, Theodore Patkos, Konstantinos Varsos, Emmanouela Panteri



EGI Lifewatch CC, September 3 2015 Santander




portal.lifewatchgreece.eu


Lifewatch Greece Portal

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R vLab
The R vLab makes use of "R" which is a statistical processing environment widely used by scientists working in related disciplines. It supports an integrated and optimized (in respect to computational speed-up and data environment. This vLab tackles common problems faced by R users, such as severe computational power routines operating under the R environment, such as the calculation of several biodiversity indices and the multivariate analyses, are often of high computational demand and cannot deliver a result when the respect form of large matrices.















MedOBIS vLab
The MedOBIS (Mediterranean node of Ocean Biogeographic Information System (IOBIS: <http://www.iobis.org>) reliable and quality controlled marine species datasets, meta-data and satellite data from all over the Mediterranean. The concept of MedOBIS, in agreement with IOBIS, is to create a comprehensive system for the retrieval of Med data and to deliver them to IOBIS and ultimately to GBIF.



GBIF Greece
This vLab provides integrated terrestrial species lists and species distribution services for biodiversity data. The Greek node of GBIF, therefore, will join the GBIF international project (<http://www.gbif.org>) by continuing delivering all the biodiversity data from the national node to GBIF's central infrastructure. Consequently, this informatics lab available for biodiversity research and applications and will include functions on publishing, integrating, retrieving and analysing processes.

Lifewatch Greece Portal Home Administration Emmanouella Panteri

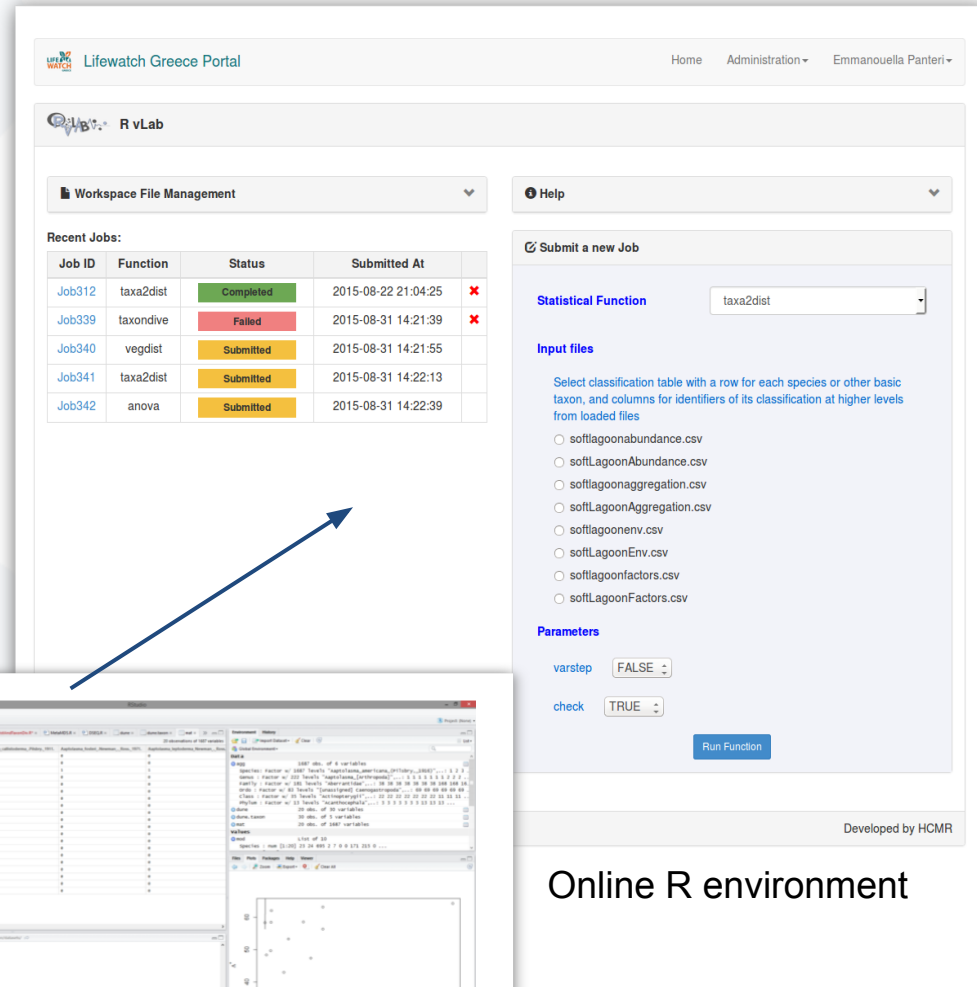
Home Page

 <p>R vLab</p>	 <p>MedOBIS vLab</p>	 <p>GBIF GBIF Greece</p>
 <p>Ecological Modeling</p>	 <p>Eco-systems Biology</p>	 <p>Metadata Catalogue</p>
 <p>MicroCT Services</p>	 <p>Genetic Services</p>	 <p>Taxon Information System (TIS) Services</p>
 <p>Biological Specimens Collection Services</p>	 <p>Mobile Applications</p>	 <p>SemMedObs</p>

Announcements

Developed by HCMR

- Uses the “R” programming language
- Supports an integrated and optimized online R environment (data manipulation and computational speed-up)
- Allows to overcome severe computational power deficit, e.g.: Calculation on large matrices of several biodiversity indices and of multivariate analyses

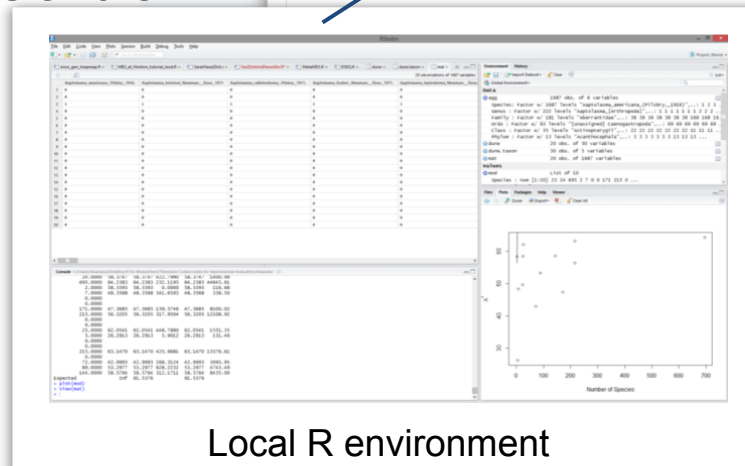


The screenshot shows the 'Lifewatch Greece Portal' with a navigation bar (Home, Administration, Emmanouella Panteri). The main section is 'R vLab' with a 'Workspace File Management' dropdown. Below it is a 'Recent Jobs' table:

Job ID	Function	Status	Submitted At
Job312	taxa2dist	Completed	2015-08-22 21:04:25
Job339	taxondive	Failed	2015-08-31 14:21:39
Job340	vegdist	Submitted	2015-08-31 14:21:55
Job341	taxa2dist	Submitted	2015-08-31 14:22:13
Job342	anova	Submitted	2015-08-31 14:22:39

To the right, the 'Submit a new Job' section shows 'Statistical Function' set to 'taxa2dist'. Under 'Input files', several CSV files are listed, including 'softlagoonabundance.csv'. Under 'Parameters', 'varstep' is set to 'FALSE' and 'check' is set to 'TRUE'. A 'Run Function' button is at the bottom.

Developed by HCMR



Local R environment

Online R environment

Main file formats required for R

A	B	C	D	E	F	G	H
scientificName	specificEpithet	genus	family	class	order	phylum	kingdom
Abra alba	alba	Abra	Semelidae	Bivalvia	Veneroida	Mollusca	Animalia
Cerastoderma edule	edule	Cerastoderma	Cardiidae	Bivalvia	Veneroida	Mollusca	Animalia
Cerithium vulgatum	vulgatum	Cerithium	Cerithiidae	Gastropoda	[unassigned] Caenogastropoda	Mollusca	Animalia
Dexamine spinosa	spinosa	Dexamine	Dexaminidae	Malacostraca	Amphipoda	Arthropoda	Animalia
Eumida sanguinea	sanguinea	Eumida	Phyllodocidae	Polychaeta	Phyllodocida	Annelida	Animalia
Gammarus aequicauda	aequicauda	Gammarus	Gammaridae	Malacostraca	Amphipoda	Arthropoda	Animalia
Idotea balthica basteri	balthica basteri	Idotea	Idoteidae	Malacostraca	Isopoda	Arthropoda	Animalia
Loripes lucinalis	lucinalis	Loripes	Lucinidae	Bivalvia	Lucinoida	Mollusca	Animalia
Paranemonia cinerea	cinerea	Paranemonia	Actiniidae	Anthozoa	Actiniaria	Cnidaria	Animalia
Perinereis rullieri	rullieri	Perinereis	Nereididae	Polychaeta	Phyllodocida	Annelida	Animalia
Phylo foetida	foetida	Phylo	Orbiniidae	Polychaeta		Annelida	Animalia
Platyhelminthes						Platyhelminthes	Animalia

A	B	C	D
fieldNumber	waterBody	locality	locationRemarks
IT-ORIS01-MIS-P1-R1	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P1-R2	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P1-R3	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P2-R1	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P2-R2	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P2-R3	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P3-R1	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P3-R2	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P3-R3	Mediterranean	Oristano Gulf	Mistras lagoon
LT-CU01-VE-P1-R1	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P1-R2	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P1-R3	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P2-R1	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P2-R2	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P2-R3	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P3-R1	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P3-R2	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P3-R3	Baltic sea	Curonian lagoon	Vente
PL-VL-W-P1-R1	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P1-R2	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P1-R3	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P2-R1	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P2-R2	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P2-R3	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P3-R1	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P3-R2	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P3-R3	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad

- Abundance matrix
- Species aggregation file
- Environmental data file
- Factor file

scientificName	IT-ORIS01-MIS-P1-R1	IT-ORIS01-MIS-P1-R2	IT-ORIS01-MIS-P1-R3	IT-ORIS01-MIS-P2-R1	IT-ORIS01-MIS-P2-R2	IT-ORIS01-MIS-P2-R3	IT-ORIS01-MIS-P3-R1	IT-ORIS01-MIS-P3-R2	IT-ORIS01-MIS-P3-R3
Abra alba	0	0	0	0	0	0	0	0	0
Cerastoderma edule	0	0	0	0	0	0	0	0	0
Cerithium vulgatum	0	0	0	0	0	0	0	0	0
Dexamine spinosa	0	0	0	0	0	0	0	0	0
Eumida sanguinea	0	0	0	0	0	0	0	0	0
Gammarus aequicauda	0	0	0	0	0	0	0	0	0
Idotea balthica basteri	0	0	0	0	0	0	0	0	0
Loripes lucinalis	0	0	0	0	0	0	0	0	0
Paranemonia cinerea	0	0	0	0	0	0	0	0	0
Perinereis rullieri	0	0	0	0	0	0	0	0	0
Phylo foetida	0	0	0	0	0	0	0	0	0
Platyhelminthes	0	0	0	0	0	0	0	0	0
Ammodia cithrona	0	0	0	0	0	0	0	0	0
Capitella capitata	0	0	0	0	0	0	0	0	0
Sphaeroma serratum	0	0	0	0	0	0	0	0	0
Tanais dulongi	0	0	0	0	0	0	0	0	0
Acchiellina spissa	0	0	0	0	0	0	0	0	0
Chironomidae	0	0	0	0	0	0	0	0	0
Oligochaeta	0	0	0	0	0	0	0	0	0
Pisidium	0	0	0	0	0	0	0	0	0
Cerastopogonidae	0	0	0	0	0	0	0	0	0
Sphaerium corneum	0	0	0	0	0	0	0	0	0
Pontogammarus robustoides	0	0	0	0	0	0	0	0	0
Marenzelleria neglecta	0	0	0	0	0	0	0	0	0
Marenzelleria viridis	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0
Gammarus	0	0	0	0	0	0	0	0	0
Procladius	0	0	0	0	0	0	0	0	0
Glyptotendipes	0	0	0	0	0	0	0	0	0

A	B	C	D	E	F	G	H	I	J	K	L
scientificName	IT-ORIS01-MIS-P1-R1	IT-ORIS01-MIS-P1-R2	IT-ORIS01-MIS-P1-R3	IT-ORIS01-MIS-P2-R1	IT-ORIS01-MIS-P2-R2	IT-ORIS01-MIS-P2-R3	IT-ORIS01-MIS-P3-R1	IT-ORIS01-MIS-P3-R2	IT-ORIS01-MIS-P3-R3	LT-CU01-VE-P1-R1	LT-CU01-VE-P1-R2
1 Abra alba	0	0	0	0	0	0	0	0	0	0	0
2 Cerastoderma edule	0	0	0	0	0	0	0	0	0	0	0
3 Cerithium vulgatum	0	0	0	0	0	0	0	0	0	0	0
4 Dexamine spinosa	0	0	0	0	0	0	0	0	0	0	0
5 Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0
6 Gammarus aequicauda	0	0	0	0	0	0	0	0	0	0	0
7 Idotea balthica basteri	0	0	0	0	0	0	0	0	0	0	0
8 Loripes lucinalis	0	0	0	0	0	0	0	0	0	0	0
9 Paranemonia cinerea	0	0	0	0	0	0	0	0	0	0	0
10 Perinereis rullieri	0	0	0	0	0	0	0	0	0	0	0
11 Phylo foetida	0	0	0	0	0	0	0	0	0	0	0
12 Platyhelminthes	0	0	0	0	0	0	0	0	0	0	0
13 Ammodia cithrona	0	0	0	0	0	0	0	0	0	0	0
14 Capitella capitata	0	0	0	0	0	0	0	0	0	0	0
15 Sphaeroma serratum	0	0	0	0	0	0	0	0	0	0	0
16 Tanais dulongi	0	0	0	0	0	0	0	0	0	0	0
17 Acchiellina spissa	0	0	0	0	0	0	0	0	0	0	0
18 Chironomidae	0	0	0	0	0	0	0	0	0	0	0
19 Oligochaeta	0	0	0	0	0	0	0	0	0	0	0
20 Pisidium	0	0	0	0	0	0	0	0	0	0	0
21 Cerastopogonidae	0	0	0	0	0	0	0	0	0	0	0
22 Sphaerium corneum	0	0	0	0	0	0	0	0	0	0	0
23 Pontogammarus robustoides	0	0	0	0	0	0	0	0	0	0	0
24 Marenzelleria neglecta	0	0	0	0	0	0	0	0	0	0	0
25 Marenzelleria viridis	0	0	0	0	0	0	0	0	0	0	0
26 Turbellaria	0	0	0	0	0	0	0	0	0	0	0

Main file formats required for R

[illegible]

Comma delimited file (csv)

Layout of abundance matrix for R

A	B	C	D	E	F	G	H	I	J	K	LT
ScientificName	IT-ORIS01-MIS-P1-R1	IT-ORIS01-MIS-P1-R2	IT-ORIS01-MIS-P1-R3	IT-ORIS01-MIS-P2-R1	IT-ORIS01-MIS-P2-R2	IT-ORIS01-MIS-P2-R3	IT-ORIS01-MIS-P3-R1	IT-ORIS01-MIS-P3-R2	IT-ORIS01-MIS-P3-R3	LT-CU01-VE-P1-R1	LT-
1											
2											
3											
4											
5											
6											
7											
8											
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10											
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21											
22											
23											
24											
25											
26											
27											
28											


Abundance matrix


Layout of abundance matrix for R

A	B	C	D
fieldNumber	waterBody	locality	locationRemarks
IT-ORIS01-MIS-P1-R1	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P1-R2	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P1-R3	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P2-R1	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P2-R2	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P2-R3	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P3-R1	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P3-R2	Mediterranean	Oristano Gulf	Mistras lagoon
IT-ORIS01-MIS-P3-R3	Mediterranean	Oristano Gulf	Mistras lagoon
LT-CU01-VE-P1-R1	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P1-R2	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P1-R3	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P2-R1	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P2-R2	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P2-R3	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P3-R1	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P3-R2	Baltic sea	Curonian lagoon	Vente
LT-CU01-VE-P3-R3	Baltic sea	Curonian lagoon	Vente
PL-VL-W-P1-R1	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P1-R2	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P1-R3	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P2-R1	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P2-R2	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P2-R3	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P3-R1	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P3-R2	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad
PL-VL-W-P3-R3	Baltic Sea	Vistula Lagoon	Vistula Lagoon Kad

Environmental data and factor file for R

RvLab Registration

 Lifewatch Greece Portal

 R vLab

R vLab Registration (Select and submit. That's it!)

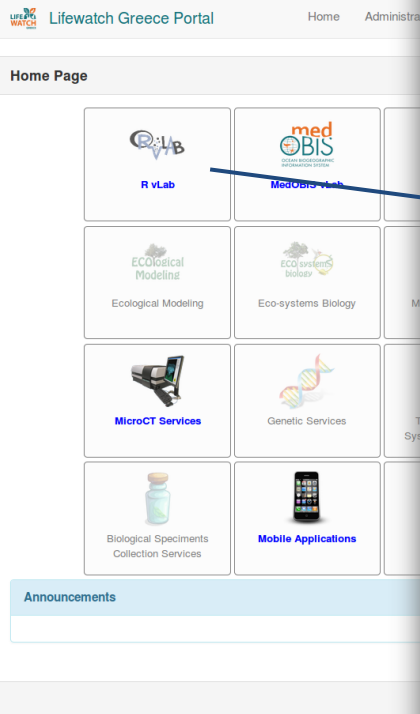
Please, provide me access to R vLab for:


- ☐ 1 week
- ☒ 1 week
- ☐ 1 month
- ☐ 6 month

Register

Note: Please, try to select the registration period that represents in the best way your intentions. For example, if you are requesting short-term access only to try or check out the R vLab functionality, select the "1 day". Making such a selection help us to provide a minimum quality of service to as many users as possible.

Developed by HCMR




R vLab

Workspace File Management

Available input files:

- softlagoonabundance.csv ✖
- softLagoonAbundance.csv ✖
- softlagoonaggregation.csv ✖
- softLagoonAggregation.csv ✖
- softlagoonenv.csv ✖
- softLagoonEnv.csv ✖
- softlagoonfactors.csv ✖
- softLagoonFactors.csv ✖

Upload new input files:

User's Storage Utilization: (396.00 KB)

0.0%

Submit a new Job

Statistical Function taxa2dist

Input files

Select classification table with a row for each species or other basic taxon, and columns for identifiers of its classification at higher levels from loaded files

- ☐ softlagoonabundance.csv
- ☐ softLagoonAbundance.csv
- ☐ softlagoonaggregation.csv
- ☐ softLagoonAggregation.csv
- ☐ softlagoonenv.csv
- ☐ softLagoonEnv.csv
- ☐ softlagoonfactors.csv
- ☐ softLagoonFactors.csv

Parameters

varstep FALSE

check TRUE

Recent Jobs:

Job ID	Function	Status	Submitted At	
Job312	taxa2dist	Completed	2015-08-22 21:04:25	✖
Job339	taxondive	Failed	2015-08-31 14:21:39	✖
Job340	vegdist	Completed	2015-08-31 14:21:55	✖
Job341	taxa2dist	Completed	2015-08-31 14:22:13	✖
Job342	anova	Failed	2015-08-31 14:22:39	✖
Job344	taxondive	Failed	2015-08-31 14:52:47	✖

Developed by HCMR

Workspace
(Files)

Workspace File Management

Available input files:

- softlagoonabundance.csv ✖
- softLagoonAbundance.csv ✖
- softlagoonaggregation.csv ✖
- softLagoonAggregation.csv ✖
- softlagoonenv.csv ✖
- softLagoonEnv.csv ✖
- softlagoonfactors.csv ✖
- softLagoonFactors.csv ✖

Upload new input files:

User's Storage Utilization: (396.00 KB)

0.0%

Recent Jobs:

Job ID	Function	Status	Submitted At	
Job312	taxa2dist	Completed	2015-08-22 21:04:25	✖
Job339	taxondive	Failed	2015-08-31 14:21:39	✖
Job340	vegdist	Completed	2015-08-31 14:21:55	✖
Job341	taxa2dist	Completed	2015-08-31 14:22:13	✖
Job342	anova	Failed	2015-08-31 14:22:39	✖
Job344	taxondive	Failed	2015-08-31 14:52:47	✖

Help

Submit a new Job

Statistical Function

taxa2dist

Input files

Select classification table with a row for each species or other basic taxon, and columns for identifiers of its classification at higher levels from loaded files

- ☐ softlagoonabundance.csv
- ☐ softLagoonAbundance.csv
- ☐ softlagoonaggregation.csv
- ☐ softLagoonAggregation.csv
- ☐ softlagoonenv.csv
- ☐ softLagoonEnv.csv
- ☐ softlagoonfactors.csv
- ☐ softLagoonFactors.csv

Parameters

varstep

check

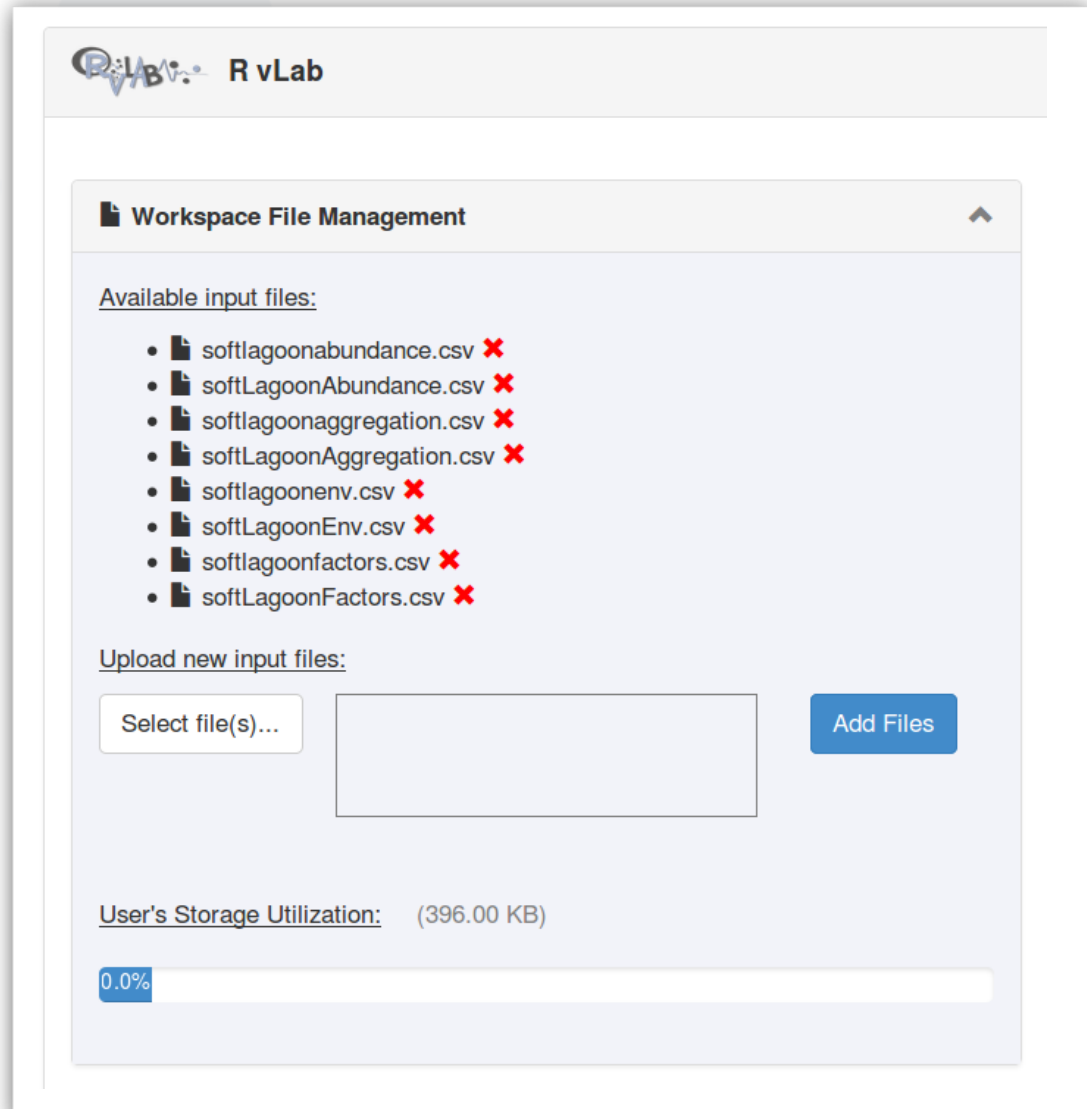
Functions
area

Jobs
Submitted

Workspace
(Files) →

Upload
(Files) →

User
Storage →



The screenshot shows the RvLab Workspace interface. At the top, there's a header with the RvLab logo and the text "R vLab". Below this is a section titled "Workspace File Management". Under the heading "Available input files:", there is a list of eight CSV files, each with a red 'X' icon next to it, indicating they are not available or have failed to load. The files are: softlagoonabundance.csv, softLagoonAbundance.csv, softlagoonaggregation.csv, softLagoonAggregation.csv, softlagoonenv.csv, softLagoonEnv.csv, softlagoonfactors.csv, and softLagoonFactors.csv. Below this list, there is a section titled "Upload new input files:" which includes a "Select file(s)..." button, a large empty text box for a file path, and an "Add Files" button. At the bottom, there is a section titled "User's Storage Utilization:" showing a progress bar at 0.0% and a text label "(396.00 KB)".

R vLab

Workspace File Management

Available input files:

- softlagoonabundance.csv ✗
- softLagoonAbundance.csv ✗
- softlagoonaggregation.csv ✗
- softLagoonAggregation.csv ✗
- softlagoonenv.csv ✗
- softLagoonEnv.csv ✗
- softlagoonfactors.csv ✗
- softLagoonFactors.csv ✗

Upload new input files:

Select file(s)... Add Files


User's Storage Utilization: (396.00 KB)

0.0%

Functions Selection

Files Selection

Other Parameters

 **Submit a new Job**

Statistical Function taxa2dist

Input files

Select classification table with a row for each species or other basic taxon, and columns for identifiers of its classification at higher levels from loaded files

- ☐ softLagoonAbundance.csv
- ☐ softLagoonAggregation.csv
- ☐ softLagoonEnv.csv
- ☐ softLagoonFactors.csv
- ☐ taxadis_job341.csv

Parameters

varstep FALSE

check TRUE

Run Function

Click **Run Function** to proceed and generate results

Jobs

R vLab

Workspace File Management

Recent Jobs:

Job ID	Function	Status	Submitted At	
Job312	taxa2dist	Completed	2015-08-22 21:04:25	✗
Job339	taxondive	Failed	2015-08-31 14:21:39	✗
Job340	vegdist	Completed	2015-08-31 14:21:55	✗
Job341	taxa2dist	Completed	2015-08-31 14:22:13	✗
Job342	anova	Failed	2015-08-31 14:22:39	✗
Job344	taxondive	Failed	2015-08-31 14:52:47	✗
Job346	taxondive	Submitted	2015-08-31 16:26:57	

Wait for results to be generated

Jobs Results

R vLab

Job313 Information/Results (taxondive)

Files produced as output:

taxondive.csv

R output:

```
{
  Delta Delta* Delta+ sd(Delta+) z(Delta+) Pr(>|z|)
IT_ORIS01_MIS_P1_R1 68.2023 93.8069 92.4242 1.9686 1.0758 0.28203
IT_ORIS01_MIS_P1_R2 66.0322 96.8665 90.6061 2.1881 0.1369 0.89111
IT_ORIS01_MIS_P1_R3 48.8741 98.8147 90.7407 2.7708 0.1567 0.87547
IT_ORIS01_MIS_P2_R1 58.9161 97.9866 93.1624 1.7813 1.6033 0.10888
IT_ORIS01_MIS_P2_R2
IT_ORIS01_MIS_P2_R3
IT_ORIS01_MIS_P3_R1
IT_ORIS01_MIS_P3_R2
IT_ORIS01_MIS_P3_R3
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

>
> proc.time()

user system elapsed
2.305 0.083 3.869
```

- IT_ORIS01_MIS_P1_R1
- IT_ORIS01_MIS_P1_R2
- IT_ORIS01_MIS_P1_R3
- IT_ORIS01_MIS_P2_R1
- IT_ORIS01_MIS_P2_R2
- IT_ORIS01_MIS_P2_R3
- IT_ORIS01_MIS_P3_R1
- IT_ORIS01_MIS_P3_R2
- IT_ORIS01_MIS_P3_R3
- LT_CU01_VE_P1_R1
- LT_CU01_VE_P1_R2
- LT_CU01_VE_P1_R3
- LT_CU01_VE_P2_R1
- LT_CU01_VE_P2_R2
- LT_CU01_VE_P2_R3
- LT_CU01_VE_P3_R1
- LT_CU01_VE_P3_R2
- LT_CU01_VE_P3_R3
- PL_VL_E_P1_R1
- PL_VL_E_P1_R2
- PL_VL_E_P1_R3
- PL_VL_E_P2_R1
- PL_VL_E_P2_R2
- PL_VL_E_P2_R3
- PL_VL_E_P3_R1
- PL_VL_E_P3_R2
- PL_VL_E_P3_R3
- PL_VL_W_P1_R1
- PL_VL_W_P1_R2
- PL_VL_W_P1_R3
- PL_VL_W_P2_R1
- PL_VL_W_P2_R2
- PL_VL_W_P2_R3
- PL_VL_W_P3_R1
- PL_VL_W_P3_R2
- PL_VL_W_P3_R3

RvLab files & jobs

R vLab

Workspace File Management

Recent Jobs:

Job ID	Function	Status	Submitted At
Job312	taxa2dist	Completed	2015-08-22 21:04:25
Job339	taxondive	Failed	2015-08-31 14:21:39
Job340	vegdist	Completed	2015-08-31 14:21:55
Job341	taxa2dist	Completed	2015-08-31 14:22:13
Job342	anova	Failed	2015-08-31 14:22:39
Job344	taxondive	Failed	2015-08-31 14:52:47
Job346	taxondive	Submitted	2015-08-31 16:26:57

R vLab

Job341 Information/Results (taxa2dist)

Files produced as output:

taxadis.csv

R output:

```
{
  Min. 1st Qu.  Median   Mean 3rd Qu.  Max.
33.33  66.67 100.00  80.48 100.00 100.00
}
>
> proc.time()

user system elapsed
2.163   0.048   2.223
```

Developed by HCMR

Workspace File Management

Available input files:

- softLagoonAbundance.csv
- softLagoonAggregation.csv
- softLagoonEnv.csv
- softLagoonFactors.csv
- taxadis_job341.csv

Upload new input files:

Select file(s)...

Add Files

User's Storage Utilization: (436.00 KB)

0.0%

portal.lifewatchgreece.eu

RvLab Mobile Application



Lifewatch Greece Portal

Home Administration Emmanouella Panteri

Mobile Applications

Find the latest development version here

1. Steps for Application Downloading

In your computer or your mobile device: Go to <https://portal.lifewatchgreece.eu/> and login with your email and password. Select "Mobile Applications" Download the application APK file from "Download Mobile Apk file". Once the downloading is complete, an APK file with name "lifewatch Greece.apk" will be available in your computer or your mobile device.

2. Steps for Application Installation

If you have downloaded the APK file in your computer, then you need to transfer it to your smartphone using a USB cable. Once the transfer of the APK file is complete, the installation is ready to start. Before installation make sure that the choice "Unknown Sources" is checked (in Android you can find this under Settings->Security). This setting will allow the installation of an application that has not been uploaded to the Android market. After installation, you can use the application!

Signing In

Enter the same email and password you use to access the web portal(<https://portal.lifewatchgreece.eu/>) from your computer and tap "Login". On the other hand, you can use a test account with tap "Skip Login". Note: This app requires your Android device to be connected to the internet.

Use the "Skip Login" to see the test user case



Click on RvLab Button

RvLab Mobile app workflow



LifeWatchGreece Research Infrastructure, funded by the GSRT (Greek government: structural funds), is the national effort to address the above requirement and to support relevant studies.

To materialize its aim, LWG RI adheres to the central **lifewatch.eu** guidelines, and attempts to ally all the Greek scientific human resources working on biodiversity data and data observatories.

Coordinated by the Institute of Marine Biology, Biotechnology and Aquaculture (IMBBC, www.imbbc.hcmr.gr) of the **Hellenic Center for Marine Research** (HCMR, www.hcmr.gr), LWG includes 49 partner institutions covering a wide range of scientific disciplines (terrestrial, marine and freshwater biology, zoology, botany, geography, forestry, agriculture, genetics, biotechnology, pharmacy, aquaculture, education and law).



Thank you ;)