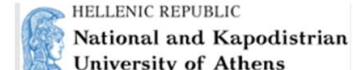




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*Specific Contract 2021/3.1.2/03/SC04*

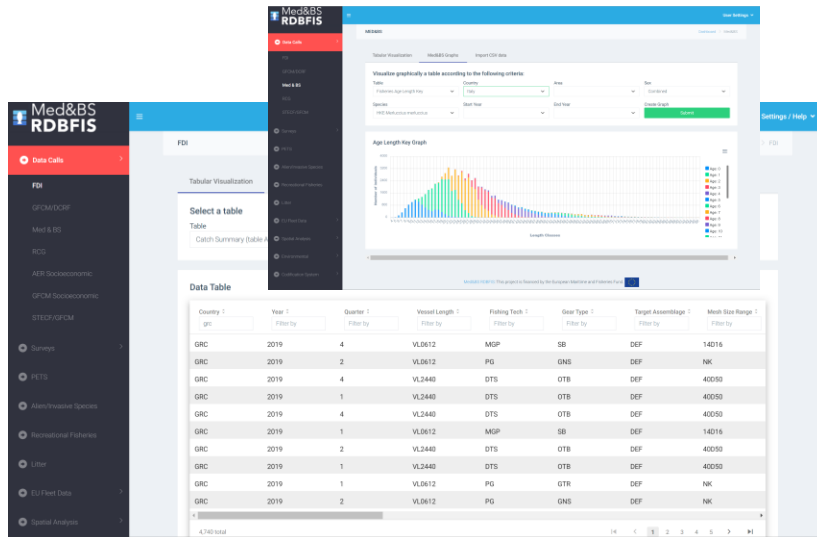
Hosting, maintenance and further development of the Regional Database for the  
Mediterranean and Black Seas



RCG ECON technical meeting  
3-6 June 2024 Athens

RDBFIS II: Developing a module for socioeconomic data from the  
Mediterranean and Black Seas countries

## RDBFIS: a web-based integrated fisheries information system for the Med&BS



FRAMEWORK CONTRACT –  
EASME/EMFF/2020/OP/0021  
Duration: 24months,  
Project Start: April 1<sup>st</sup> 2023

### Purpose of the project

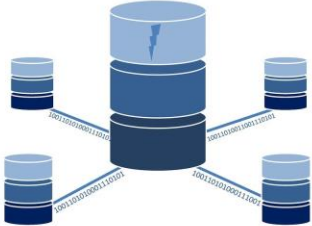
The main aim of the study is to work on the hosting, maintenance, fine-tuning and further development of the end product of regional grant RDBFIS and to provide support to the users of the end product.

- Centralized database system hosting aggregated DCR/DCF data sets including MEDITS, MEDIAS & BS surveys as well as detailed biological data
- common syntax and consistency procedures ensures the quality of data
- The MS can visualize and manipulate their data
- A “Processing” package support the creation of the datacalls
- Other tools are included in the system (spatial effort & landings for SSF, fleet analysis, data entry forms for stomach contents, alien species, ...)

### **AER module has been integrated in the RDBFIS**

- *Perform syntax and consistency checks before submitting data to the JRC. The aim is to decrease discrepancies between the AER and FDI datacalls (cross checking between AER & FDI is a goal for the project)*
- *Calculate specific economic performance indicators for STECF EWG purposes*

*populate  
the system with data*



## AER

EU Fishing Fleet Socio-Economic data call

### Aggregated data

- Med&BS
- FDI
- AER
- GFCM/DCRF

### MEDITS

TA, TB, TC

Detailed biological  
& landings data

### MEDIAS

acoustics, pelagic  
trawl, CTDs

### MEDIAS database

- Acoustics
- Pelagic trawl
- CTDs

### Validation scheme

### Processing

Abundance

Biomass

Abundance-Biomass

### Eggs & Larvae db

### Updated versions

RoME

RoMEBS

BioIndex

### AER database

- map\_capacity
- map\_fs
- map\_fsfa0
- map\_fssub
- map\_ms
- map\_msfa0
- map\_recatch
- map\_social

### Validation scheme

### Consistency checks

(JRC, RDBFIS)

Processing

# RDBFIS progress work (data validation & uploading)

The screenshot shows the Med&BS RDBFIS web application. The left sidebar contains a menu with categories like FDI, GFCM/DCRF, Med & BS, RCG, AER Socioeconomic, GFCM Socioeconomic, STECF/GFCM, Surveys, Stomach Contents, PETS, Alien/Invasive Species, Recreational Fisheries, Litter, and EU Fleet Data. The main content area is titled 'AER SOCIOECONOMIC' and has tabs for 'Tabular Visualization' and 'Import CSV data'. Under 'Import CSV data', there is a section 'Import CSV files for AER Socioeconomic' with a dropdown for 'Select Table' (currently 'AER map capacity (base fleet segment data)'), a 'Select CSV file to import' section with 'Choose File' and 'No file chosen' options, and buttons for 'Syntax Check' and 'Restart Import Procedure'. Below this is an 'Import Procedure' section with 'Stage Results'.

The screenshot shows the Med&BS RDBFIS web application with the 'Data Table' view selected. The table displays data for 'AER map capacity (base fleet segment data)'. The table has columns for Country, Acronym, Value, Unit, Year, Supra Region, Fishing Tech, and Vessel Length. The data is filtered by 'GRC'. The table shows 10 rows of data, with a total of 483 rows. The bottom of the table has a pagination bar showing '483 total' and navigation controls.

Country	Acronym	Value	Unit	Year	Supra Region	Fishing Tech	Vessel Length
GRC	totves	1	number	2022	MBS	PS	VL0612
GRC	totves	77	number	2022	MBS	PS	VL1218
GRC	totves	119	number	2022	MBS	PS	VL1824
GRC	totves	28	number	2022	MBS	PS	VL2440
GRC	totgt	2495.03	GT	2022	MBS	PS	VL2440
GRC	totgt	1757.55	GT	2022	MBS	DFN	VL1218
GRC	totkw	25841.39	kW	2022	MBS	DFN	VL0006
GRC	totgt	15487.43	GT	2022	MBS	DFN	VL0612
GRC	totgt	1887	GT	2022	MBS	DFN	VL0006
GRC	totves	8	number	2022	MBS	HOK	VL1824

The screenshot shows a file explorer window with the path 'rdbfisapi / src / main / resources / static / assets / validationcsv /'. The file list includes: '..' (parent directory), 'AerMapCapacity.csvs', 'AerMapFs.csvs', 'AerMapFsfaos.csvs', 'AerMapFssub.csvs', 'AerMapMs.csvs', 'AerMapMsfaos.csvs', 'AerMapRecatch.csvs', and 'AerMapSocial.csvs'.

# RDBFIS progress work (AER validation scheme)

rdbfisapi / src / main / resources / static / assets / validationcsv / AerMapFsfa.csvs



stefanoskavadas Update AerMapFsfa.csvs

54c7682 · 3 weeks ago History

Code Blame 24 lines (24 loc) · 29 KB Your organization can pay for GitHub Copilot
























Raw Copy Download Edit View

```
1 version 1.2
2 @totalColumns 20
3 @permitEmpty
4 @ignoreColumnNameCase
5 country: any("BEL","BGR","DNK","DEU","EST","IRL","GRC","ESP","FRA","HRV","ITA","CYP","LVA","LTU","MLT","NLD","POL","PRT","ROU","SVN","FIN","SWE","GBR","ENG","GBC","GBG","GBJ","IOM")
6 acronym: any("totvallandg","totwghtlandg")
7 value: range(0,*)
8 unit: any("kg","euro")
9 species: any("CGM","LLO","MYU","SPW","RJT","ALK","AML","AUD","DJO","DPQ","DUM","EFB","EHZ","FCG","FPE","FRF","GOU","JCH","JFB","JRX","LNV","LSE","MMI","MRA","MYR","NDX","NFA","NUW")
10 sub_region: any("34","34.3.1.1","34.3.1.3","51","51.6","51.3","51.4","51.5","34.3.1","51.7","34.3.3","sa 1","sa 2","sa 3","sa 4","sa 5","sa 6","sa 7","sa 8","sa 9","sa 10","sa 11.1")
11 year: positiveInteger range(2008,2023)
12 supra_region: any("MBS","NAO","OFR","BS","NA","NS","NONE","AREA37","AREA27")
13 fishing_tech: any("DFN","DRB","DTS","FPO","HOK","INACTIVE","MGO","MGP","NO","PG","PGO","PGP","PMP","PS","TBB","TM")
14 vessel_length: any("VL0006","VL0612","VL0010","VL1012","VL1218","VL1824","VL2440","VL40XX","NK")
15 geo_indicator: any("NGI","NEU","IWE","P2","P3","IC","MA","GF","GP","MQ","MF","RE","YT","NK")
16 gear: any("FAD","HAR","MIS","DRB","DRH","FPN","FPO","FYK","GEF","GNC","GND","GNS","GTN","GTR","HMD","LA","LHM","LHP","LLD","LLS","LNB","LNS","LTL","NA","NK","NO","OTB","OTM","OTT")
17 fishery: any("NAFO","NEAFC","ICCAT","IOTC","CECAF","WECAFC","SFPA","SFPA_NA","SFPA_IO","SFPA_AO","SFPA_PO","PELAG","DEMER","NK")
18 activity: any("L","A","NU") or empty
19 comments: length(*,256)
20 sampling_strategy: switch(($year/range(2008,2015),any("C","PSS","NSS","NR")),any("C","PSS","NSS"))
21 achieved_sample_rate: range(0, 100) or empty
22 coefficient_of_variation: range(0, 1) or empty
23 response_rate: range(0, 100) or empty
24 data_source: length(*,256)
```



## AER database

- map\_capacity
- map\_fs
- map\_fsfa0
- map\_fssub
- map\_ms
- map\_msfa0
- map\_recatch
- map\_social

- >  p\_aer\_acronyms
- >  p\_aer\_acronyms\_template
- >  p\_aer\_activity
- >  p\_aer\_age\_class
- >  p\_aer\_capacity\_acronyms
- >  p\_aer\_education
- >  p\_aer\_employment\_status
- >  p\_aer\_fishery
- >  p\_aer\_fishing\_activity
- >  p\_aer\_fs\_acronyms
- >  p\_aer\_fsfa0\_acronyms
- >  p\_aer\_fssub\_acronyms
- >  p\_aer\_gender
- >  p\_aer\_ms\_acronyms
- >  p\_aer\_ms\_unit
- >  p\_aer\_msfa0\_acronyms
- >  p\_aer\_nationality
- >  p\_aer\_recatch\_acronyms
- >  p\_aer\_region
- >  p\_aer\_sampling\_strategy
- >  p\_aer\_social\_acronyms
- >  p\_aer\_sub\_region
- >  p\_aer\_unit

## AER

### EU Fishing Fleet Socio-Economic data call

- *The publicly available data was provided by the JRC*
- *Three variables are missing: achieved\_sample\_rate, coefficient\_of\_variation, response\_rate*
- *Differences between publicly available data and data hosted on JRC db have been reported*

### Validation scheme

Consistency checks (JRC, RCGECON, experts)

[Processing routines](#)

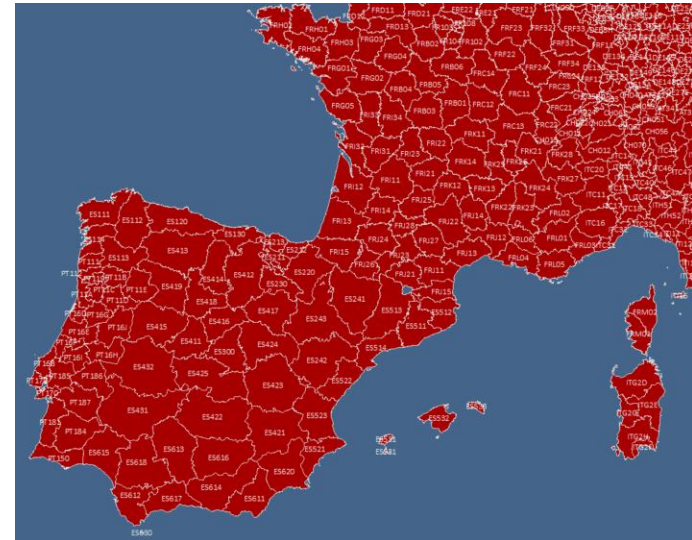
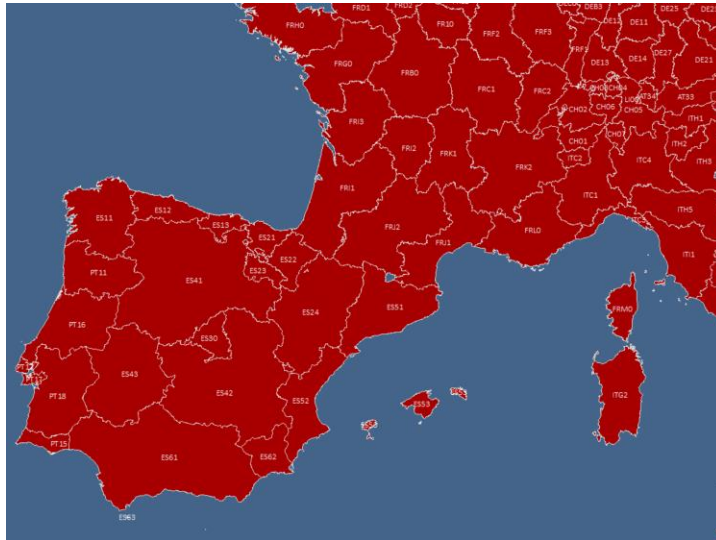
### AER codification system

gear = NK where no value is available

fishery = NK where no value is available

activity = ?? where null

***Fleet analysis:** an open access dynamic tool has started to be developed to illustrate the evolution of the fleet dynamics in Europe; possible link with the landings, discards and value (FDI Table A);*



## “Filter Results Geographically” and “Group by”

- Country
- Fishing Port
- Region (NUTS-2)
- Prefecture (NUTS-3)
- FDI Subregion
- Fishing Areas
- Geographical areas (MBS/ICES)
- Gear type
- Length Class
- Age Class





*Synergies between QualiTrain and RDBFIS have been established (any improvement of RDBQc, RoME & RoMEBS R packages will be incorporated into the RDBFIS);*

*Communication and cooperation with ICES has been established aiming to investigate compatibilities between RDBFIS and RDBES*

*RDBFIS is open for any type of cooperation with the RCGECON and experts in order to improve the AER component*

*Any suggestion is welcome ...*



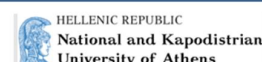
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*We thank you for your attention*

<http://rdbfis.eu/>



*Significant contribution by*

*Executive Agency for Fisheries and Aquaculture, Bulgaria (Simona Vasileva NICHEVA)*

*Ministry of Agriculture, Directorate of Fisheries, Croatia (Ivana VUKOV)*

*Fisheries Research Unit, Department of Fisheries and Aquaculture, Malta (Jurgen Mifsud)*