ANNEX 3.

To streamline the data call and upload, modifications to the JRC data upload portlet and file transmission have been implemented as outlined below.

The primary change is the implementation of a file naming convention and the implementation of a standard of one table, one file to streamline the transmission procedure and avoid upload of hundreds of files with subsets of years and areas.

FILE NAMING CONVENTION:

The naming convention for files to be fed to the Mediterranean and Black sea upload facility is of the form

COUNTRYCODE_TABLE.EXTENSION

where

EXTENSION:
>   must be "CSV" either all uppercase or lowercase

COUNTRYCODE:
>   must be, in line with Appendix 1.1:
>   - BGR
>   - CYP
>   - GRC
>   - FRA
>   - ITA
>   - MLT
>   - PRT
>   - ROU
>   - SVN
>   - ESP
>   - CRO

TABLE:
>   must be one of tables listed in Annex 2, 3 and 4:
>   - ABUNDANCE
>   - ABUND_BIOM
>   - BIOMASS
>   - CATCH
>   - EFFORT
>   - LANDINGS
>   - DISCARDS
>   - MEDITS_TA
>   - MEDITS_TB
>   - MEDITS_TC
>   - MA
>   - GP
>   - ML
>   - SRL
>   - SRA
>   - ALK

Examples

<u>Valid file names:</u>

ITA_MEDITS_TC.csv

GRC_DISCARDS.CSV

<u>Invalid file names:</u>

ITA_MEDITS_TC_GSA16_2015.csv

FRA_MEDITS_TB_GSA11.csv

FILE FORMAT

The file format chosen is <u>Comma Separated Value</u> (CSV) and follows the definition as specified in **IETF RFC 4180** publicly available at https://tools.ietf.org/html/rfc4180.

This choice was made in order to minimize the amount of extra data uploaded by the national correspondents by removing as much as possible the unnecessary data overhead provided by complex standards such as Excel Binary Format (XLS) or Open XML Spreadsheet ML File Format (XLSX) thus to speed up the upload process.

In order to facilitate the migration from the previous file format (XLS/XLSX), with particular reference to section 2 of RFC 4180, the following convention applies:

1. Headers are mandatory and are the same as they were in previous version of the upload facility
2. The decimal separator is "." (dot)

This is easily managed by the national correspondents by using the excel "Save as" functionality in case the data are stored in Excel or with export functions to .csv from databases.

UPLOAD MODE.

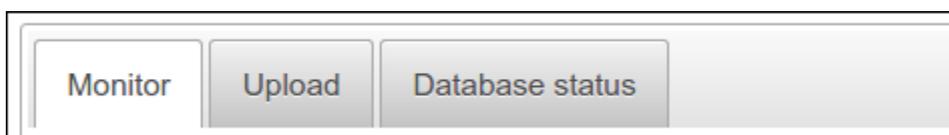Upon upload of a file, quality checks are applied on each file.

If the above validation is successful, the application removes all the previous entered values in the table for the country represented by the national correspondent and loads the new values. This means that the National Correspondents will have to upload the full data series each time they try to add/remove/edit any value.

The validation of a file is delivered in near-real time: upon each uploaded file the end user is not requested to wait for the process to complete before being able to upload another file. As soon as the upload process of a file is finished, the National Correspondent receives an email with the status of his/her upload and, attached, a zip archive that contains:

- The file as it was uploaded and parsed
- In case the upload is not successful, a file containing all the errors found in the file

USER INTERFACE

The user interface has been rewritten from scratch. After having logged in to the upload facility the end-user is presented three tabs:
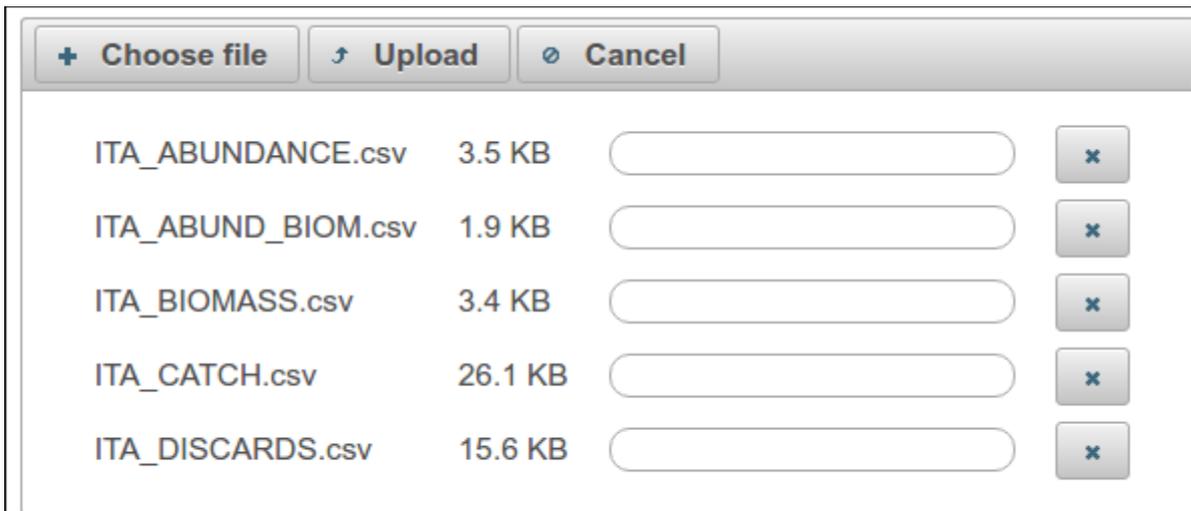

- Monitor : this tab contains a log of all the uploads attempts made for the country that the national correspondent is representing; the end user has the possibility to
  - Download the file that was submitted
  - In case the status of the submission is "Error", the end user can download the error log
  - Monitor the progress of the submissions: the status column contains SUCCESS or ERROR if the submission validation process is over, PROCESSING if the validation process is on going

Upload Date	Uploaded File ⇅		Uploaded By ⇅	Status ⇅	
15/04/2016 11:50	ITA_Medits_TC.csv	⬇	marco.ferretti@ext.jrc.ec.europa	ERROR	✖
15/04/2016 11:40	ITA_Medits_TB.csv	⬇	marco.ferretti@ext.jrc.ec.europa	SUCCESS	
15/04/2016 11:40	ITA_BIOMASS.csv	⬇	marco.ferretti@ext.jrc.ec.europa	SUCCESS	
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- Upload: this tab contains the upload facility. The end user can upload multiple files at the same time (max: 13 per run). The facility has a drag & drop functionality too

- Database status: this tab contains the status of the database after the process of a submission by the end user. It is divided in subtabs;

 the first tab is the overview of the database and contains, by year, the number of records that were successfully submitted by the end user.

Table ⬍	Year ⬍	Records ⬍
BIOMASS	2014	16
MEDITS_TB	1994	3663
MEDITS_TB	1995	4527
MEDITS_TB	1996	4334
MEDITS_TB	1997	4661
MEDITS_TB	1998	4557
MEDITS_TB	1999	5020
MEDITS_TB	2000	4781
MEDITS_TB	2001	4468
MEDITS_TB	2002	3485
MEDITS_TB	2003	3431

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 The other tabs contain, by table, the actual values that were submitted by the national correspondents as they are after the validation process.

Country	Area	Vessel	Year	Haul Number	Codend Closing	Partit	Catfau	Genus	Species	Lref	Ptot	Nbtot	Nbfem	Nbmal	Nbind	Tf	Month	Day
ITA	9	FRP	1994	1.0000	S	S	Ao	LEPM	BOS	FM	170.0000	10.0000	5.0000	5.0000	0.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	C	ELED	CIR	FM	3500.0000	16.0000	9.0000	7.0000	0.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	MICM	POU	FM	111.0000	2.0000	1.0000	1.0000	0.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	B	NEPR	NOR	FM	590.0000	15.0000	4.0000	11.0000	0.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	B	PAPE	LON	FM	770.0000	53.0000	15.0000	38.0000	0.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	B	CHLO	GRA	FM	3.0000	1.0000	0.0000	0.0000	1.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	MERL	MER	FM	1450.0000	10.0000	7.0000	2.0000	1.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	B	PLES	HET	FM	5.0000	1.0000	0.0000	0.0000	1.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	C	ROSS	MAC	FM	40.0000	1.0000	0.0000	0.0000	1.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	CALM	PHA	FM	70.0000	3.0000	0.0000	0.0000	3.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	GAID	MED	FM	50.0000	3.0000	0.0000	0.0000	3.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	LEPI	CAU	FM	1800.0000	3.0000	0.0000	0.0000	3.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	C	SEPI	ORB	FM	100.0000	3.0000	0.0000	0.0000	3.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	C	OCTO	TET	FM	1980.0000	5.0000	0.0000	0.0000	5.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ae	SCYO	CAN	FM	170.0000	7.0000	0.0000	0.0000	7.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	CAPO	APE	FM	150.0000	8.0000	0.0000	0.0000	8.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	ARGE	SPY	FM	200.0000	9.0000	0.0000	0.0000	9.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	HELI	DAC	FM	250.0000	19.0000	0.0000	0.0000	19.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	C	SEPO	SPP	FM	240.0000	37.0000	0.0000	0.0000	37.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	GOBI	FRI	FM	100.0000	44.0000	0.0000	0.0000	44.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	PHYI	BLE	FM	434.0000	64.0000	1.0000	0.0000	63.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	GADI	ARG	FM	270.0000	66.0000	0.0000	0.0000	66.0000	TB	7	1
ITA	9	FRP	1994	1.0000	S	S	Ao	CLOR	AGA	FM	1120.0000	279.0000	0.0000	0.0000	279.0000	TB	7	1
ITA	9	FRP	1994	2.0000	S	S	B	ARIS	FOL	FM	250.0000	22.0000	22.0000	0.0000	0.0000	TB	7	1
ITA	9	FRP	1994	2.0000	S	S	B	ARIT	ANT	FM	11.0000	1.0000	1.0000	0.0000	0.0000	TB	7	1
ITA	9	FRP	1994	2.0000	S	S	Ao	LEPM	BOS	FM	26.0000	1.0000	0.0000	1.0000	0.0000	TB	7	1
ITA	9	FRP	1994	2.0000	S	S	Ao	MERL	MER	FM	200.0000	1.0000	1.0000	0.0000	0.0000	TB	7	1
ITA	9	FRP	1994	2.0000	S	S	B	NEPR	NOR	FM	880.0000	32.0000	18.0000	14.0000	0.0000	TB	7	1
ITA	9	FRP	1994	2.0000	S	S	Ao	CHAU	SLO	FM	20.0000	1.0000	0.0000	0.0000	1.0000	TB	7	1
ITA	9	FRP	1994	2.0000	S	S	Ao	HELI	DAC	FM	70.0000	1.0000	0.0000	0.0000	1.0000	TB	7	1