

WP_table_1A_dnk_documentation

Kirsten Birch Håkansson, DTU Aqua

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This .pdf can be found at https://github.com/ices-eg/RCGs/tree/master/NWPtools/personal_folders/dnk

All Joel's work has been put on <https://github.com/ices-eg/RCGs/tree/master/NWPtools/common>

I have made changed to script and input, which handles Danish cases - everything can be found at https://github.com/ices-eg/RCGs/tree/master/NWPtools/personal_folders/dnk

Major issues

Linkage file

1. areaBis: This needs to be reviewed, since
2. Quota codes / FIDES_stockID: . Further, do to the
3. Species: The latinName in the linkage table do not always follow the names in the ASFIS file. Further, the creativity when reporting species to EUROSTAT is quite big e.g. Capros aper is reported as both Capros aper and Caproidae

Data sources

1. Why do we use EUROSTAT? - Often the most recent year is not available for all countries. How do we interpret NA's? - these seems to cover both missing submissions and NULL landings. Joel's program ignores NA in mean, but that don't take true NULL landings into account. Why don't we use the RDB? - only landings from area 27?

Table 1: A lot of missing landings in 2018

Country	sum_2018	sum_2017	sum_2016	sum_2015	sum_2014
Belgium	477154.2	511761.6	564060.0	513712.8	556680.9
Bulgaria	0.0	0.0	0.0	0.0	0.0
Denmark	17740226.0	20227006.0	14737963.0	18823105.6	16207661.9
Estonia	2267993.5	2184845.8	2081257.0	1988224.5	1818389.6
European union (28 MS)	0.0	93086016.3	86136680.0	90950223.9	87297138.2
Finland	4438742.2	4602276.0	4668029.6	4333765.1	4342446.9
France	0.0	8351713.6	8560991.0	8190531.6	8748933.9
Germany	5536057.0	4755078.3	5049122.2	5393088.3	4742751.1
Ireland	0.0	5503739.1	5165791.2	5272491.4	6224647.6
Italy	0.0	0.0	0.0	0.0	0.0
Latvia	2061251.3	2348693.0	2216695.1	2244810.0	2113360.1
Lithuania	901978.6	839863.0	873850.5	816259.3	1158562.7
Netherlands	8757377.2	7361362.5	7270951.2	7700949.8	6321179.8
Poland	0.0	4329004.8	4101662.8	3960145.2	3484981.0
Portugal	0.0	2884479.4	3111566.2	3333939.0	3012985.4
Romania	0.0	0.0	0.0	0.0	0.0
Spain	0.0	7772117.0	7224330.1	8070935.2	7854534.8
Sweden	5939115.4	5911765.5	5519454.3	5281629.0	4498362.4
United Kingdom	15105181.4	15502311.7	14990955.7	15026637.2	16211659.9

Table 2: In the resulting mean (236 t) Landings from 27_8 are ignored due to missing landings in 2018

	geo	X3A_CODE	Region	Y2018	Y2017	Y2016	Y2015	Y2014	Y2013	Country
7365	DK	BOR	27_8	NA	271	80.77	6.27	NA	1354.26	Denmark
9753	DK	BOR	27_7	27	240	256.11	12.89	8757.84	11827.88	Denmark
10091	DK	BOR	27_6	67	37	79.73	9.79	NA	NA	Denmark

Update to common/input

patch_codIIIa_20191009: Updated by Nuno

Nephrops landings: *work in progress*. started to update, so far only for FU32 & FU33, but found that the hack with fao areas works ok for Denmark. If more years are added, then the scripts need to take that into account.

EUMAP_Table1A_Linkage_EUROSTAT and EC_TAC: for gadus morhua IIIaN I have changed areaBis from “27_3_A-4_AB_NK” to “27_3_A”

Scripts in dnk personal_folders

Filling Table 1A_common_input.rmd

Same input as ‘Filling Table 1A.rmd’ in common folder and script very similar to ‘Filling Table 1A.rmd’, but the following has been changed in the script

1. Instead of setwd, then link to folders
2. Fixed a bug with number of columns in DFM
3. Added Nuno’s code for handling of cod in IIIa
4. Removed characters in EUROSTAT figures
5. Changed $T1shareLanding < -T1landings/sum(DT\$MOY, na.rm=TRUE)$ - this is not correct since EU28 is there together with landings from each country -> double up on the ECC landings.

If accepted, then the script runs on the common input

This script does not really work for Denmark e.g. we end up not being oblige to sample sandeel. Denmark has around 94% of the EU TAC and fish close to 100.000 tons a year. Further, a lot of the qoutas we fish on are not in linkage file. Nearly all the problems are caused by the linkage file, so I have tried to update it, so it can handle Danish fishery.

The updated linkage file can be found at personal_folders/dnk/input - point 2 & 3 below creates the updated version.

1. (00_update_areaBis): This script is not developed, but it is needed
2. 01_table_1a_linkage_table_correcting_latinName: The latinName in the linkage table do not always follow the names in the ASFIS file - this is correct here. Further different countries report same species with different species ‘aggregation’ level (species / family) e.g. boarfish are reported both as Capros aper & Caproidae -> all needed scientific names are inserted in latinName. Further EUMAP sometimes ask for species at the family level e.g. Argentina spp., which in EUROSTAT are the following species; c(“CAA”, “CAB”, “CAS”, “CAT”) -> also here all needed scientific names are inserted. check
3. 02_table_1a_linkage_table_correcting_stockId:
4. 03_Filling Table 1A_dnk_input: Very similar to ‘Filling Table 1A.rmd’. Very small correction in the main script. Some very Danish addition in the end, since we use the output as input to table 1B & C. Using the updated linkage file as input.
5. 04_Filling Table 1A_dnk_input_finalized: xxxx

Random notes

Some of them are from 2016

The codes for quotas apparently change from year to year.

Nephrops / Functinal units

I started to update , but only updated for FU 32 and 33. The structure of the files has changed, do the script needs to be updated.

I have not For the stocks relevant for DNK the overall FAO areas are ok, so for FU33 ~ 47.4.b and for FU32 ~ 27.4.a

OBS these stocks need a proper areaBis in the linkage table

EUMAP__table__1a

The Danish table 1a is based on the scripts distributed in 2016 and ammendent to Dainsh fishery in 2016 - Joel has made a newer version, but landings of cod in per subdivisions in area 27.3.a are not included

to do;

1. Can't remember what we changed in 2016 - check __DNK against Joel's program from 2016
2. Check Joel's version 2016 and 2018 agiast each other
3. Split flounder in the Baltic

Before running a couple of things need to be done

- 1.

Inputs

1. fish_ca_atl27.tsv: new file downloaded from EORUSTAT <https://ec.europa.eu/eurostat/web/fisheries/data/database>
2. EU opening quota 2017.csv: Using the file Joel distributed September 2018 *remember to add code for StockID in script 3__*
3. Nephrops landings 2015.csv: Using the file from 2016. Don't know who made it and how.
4. RCM MED landings.csv: Using the file from 2016 - not relevant for Denmark
5. patch_codIIIa_DNK.txt: Updated the file from 2016 with figures from advice sheet
6. geo.def: Using the file from 2016
7. ASFIS_sp_Feb_2012.txt: Using the file from 2016.
8. EUMAP_Table1A_Linkage_EUROSTAT and EC_TAC_DNK_v3.csv: Using the file from 2016, not quite sure how is was made, but think script 1__ and 2__ should be ok for making the file.

Checks

Scripts in the /checks folder

check_spp_in_EUROSTAT

This script is used to check which species to merge in 1_table_1a_linkage_table_correcting_latinName, so all relevant landings are extracted from EROSTAT. The script is also used to check some of the outputs against the original figures in EUROSTAT.

Random notes

Other species 04-N. Norwegian waters of IV EEC 10000