**Version 41**

- Brazil Island’s reconstructions imported back into database (accidentally removed in v39 mainland update); includes Fernando de Noronha (EEZ 969), St Paul and St Peter Archipelago (EEZ 970), and Trindadae & Martim Vaz Isl. (EEZ 77)

- All reference ID 220 catches removed from FAO 21: USSR catches in input data proportioned by the same method as FAO 51 already and post-USSR matches FAO; all non-USSR countries also match

- Aruba discards adjusted: 1) Taiwan longliners in 2009 adjusted to 0.2; 2) Venezuela longliners in 2009/2010 adjusted to 0.2; and 3) 0.1 discard rate applied to all years for bottom trawler; Aruba gear types assigned to input data and double entries (with same information but different catch amounts) combined into single entries

- Harmonized Ref 220 and reconstruction reported landings in FAO 41 (1837 rows of ref ID 220 remain); double counts within Falkland reconstruction of MMF and skates: consists of multiple rows of disaggregated species and a doubled row of the grand total

- Total reported landings in FAO 41 < FAO baseline in the 1980s… investigate

- Juan Fernandez and Desventuradas input data was outdated 🡪 updated, but *Merluccius* species (*M. australis* and *M. gayi gayi*) removed as per author: Since I’ve been working on the fisheries of Juan Fernandez for quite some time now, I’ve come to notice that there is one species that was misreported by the government and we need to erase it for Juan Fernandez and Desventuradas.  Common hake or South Pacific hake is not part of the islands ecosystem and is only continental, although it was reported by the government in the data that was given to us.

- UK input data was outdated 🡪 updated; dredge discards were fixed (0.69 discard rate applied to original) and Scombridae added back into data base

- Chile input data was outdated 🡪 updated; unreported *Macruronus magellanicus* (Patagonian grenadier) removed

- Saint Vincent and the Grenadines 999 catches for the years 1989-2010 removed because they were large pelagics, but large pelagics were excluded from original reconstruction (from Gordon)

- Removed all industrial catch from input data in Niue (tuna bycatch) including Ref 222 discards (from Kyrstn)

- Mauritania MMF (100039) = functional group demersals changed to MMF pelagics (100339) (from Dyhia)

- Removed industrial Swordfish (L3) in FAO 87

- Reassigned Netherlands Antilles catches in FAO 34 from Sint Maarten to Curacao: FAO 2011 onwards have catches assigned specifically to Curacao in the Eastern Central Atlantic (originally assigned to Sint Maarten from Dyhia pers. Comm)

- China reconstruction: reconstructed catches have OriginalFAOName and were filled out incorrectly so these fields were clearned;

Industrial catches for *A. solandri* (Wahoo) and Scombroids missing (assigned L3?), added back into the input data except for FAO area 47 which double counts with Dyhia’s estimations; China DWF in FAO 34 missing (double count with Dyhia’s data, OK); removed industrial Xiphiidae (Swordfish) = L3; MMF 2007/2008 have been adjusted compared to KZ’s file, OK

- Sierra Leone, Eq. Guinea, France Med, PEI taxon name / taxon notes inconsistency – taxonkey/taxon name correct so I removed the taxon notes

- US West Coast taxon name taxon notes inconsistency – taxonkey/taxon name incorrect so I used the taxon notes

- Sierra Leone *Cybium* (Scombridae) put into layer 3. Added back into input 🡪 ACTUALLY likely supposed to be “Cymbium” as it is referred to as ‘snails’ in the report

- Set OrigTaxonKey = null when TaxonKey=OrigTaxonKey

- Portugal Longnose velvet shark fixed to correct taxon key

- Portugal and Libya Mediterranean slimehead fixed to correct taxon key

- *Carlarius* assigned to *Carlarius heudelotii* (new taxon key assigned by Deng)

- Spinefoot (assigned to genus) and *Sillago* (assigned to family) fixes

- Equatorial Guinea taxon name problems corrected

- Coral removed from Bouvet Island (Norway) and Antarctica Islands

- RefID = null fixes; Bosnia and Herzegovina, Eritrea, Madagascar, Slovenia, Somalia, Sudan, Seychelles, Saudi Arabia (Red Sea and Persian Gulf), Mayotte (France), Jordan, Panama, Indonesia (Eastern and Central), Tunisia, Montenegro, Curacao, Australia, Bermuda, Barbados, Chile (mainland and oceanic islands), St Vincent and Grenadines, Romania, Sint Maarten, Egypt, UAE, Ukraine, Russia (Black and Baltic Seas), Bermuda, Croatia, Guatemala – still cases where refID = null; need to finish

- RefID table updated: Brazil oceanic islands split from Brazil mainland and assigned to 227; France Med (918) reassigned to 230; St. Paul and Amsterdam reassigned to 231

- Double count in Norfolk: Australia fishing in Norfolk (all industrial) + Norfolk fishing in Norfolk (Artisanal, Recreational and Subsistence) and all unreported; removed Australian mainland catches which had the original sector column filled out according to Norfolk’s breakdown

- Costa Rica (Pacific and Caribbean) double counts removed: when new version was inserted into input the old set was not removed

- Saint Vincent and Barbados Wahoo Industrial domestic catches were excluded and put into L3(?). Put back into input data.

- Romania Atlantic bonito Industrial domestic catches were excluded and put into L3(?). Put back into input data.

- France (Atlantic): input data had lots of catches reassigned to outside EEZ (big drop in domestic catches from 1950-1973; total catches, species, sector, etc. same). Re-used original reconstruction except reassigned domestic catches in ICES area I, II a, II b, IV a, IX b, VI, VII a, VII b, VII b+c, VII c, VII f, VII g, VII j, VII k, VIII e, X, X a, XII a to 999 (quick fix). Sector already industrial (including those that were previously changed from Artisanal to Industrial). Redid species breakdown – originally all species moved to family despite being broken down by species on ICES. Discards/Unreported with blank OriginalFAONames left in family level. OriginalFAOName should be blank for reconstructed catches.

Four cases where L1 has been changed to L2:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| EEZID | name | IsHomeEEZOfFishingEntityID | MustBeThisFishingEntityID | FishingEntityID | CurrentlyFishingEntityID |
| 86 | Chagos Archipelago (UK) | 17 | Brit. Indian Ocean Terr. (UK) | 109 | Mauritius |
| 621 | Madeira Isl. (Portugal) | 217 | Madeira Isl. (Portugal) | 218 | Azores Isl. (Portugal) |
| 191 | Croatia | 42 | Croatia | 162 | Slovenia |
| 198 | Cyprus (South) | 208 | South Cyprus | 207 | North Cyprus |

- FAO 21 fixes: Mexico reported landings double count removed from Iceland reconstruction; N. Korea reported landings double count removed from Korea reconstruction and adjusted MMF to finfish/groundfish, adjusted Rajidae back to raja species and excluded L3 swordfish

- France / SPM in Canada double count adjusted: used SPM report as baseline; adjusted catch assignment inside and outside SPM based on NAFO Divisions and disaggregated 999 catches. New discards estimated for catches that were changed from artisanal to industrial catches.

- Iceland in Canada double count adjusted: used Canada report as a baseline but harmonized some Iceland catches (national). Disaggregated 999 catches based on NAFO Divisions. 1NK assumed to be primarily in Greenland. 1F catches split 2/3 Greenland and 1/3 High Seas. – has not been implemented into version 41 yet, still need to fix catch type assignment where ‘National’ > FAO

- Greenland double: removed Canadian report’s estimates and kept Greenland’s layer 1 catches; Greenland assigns catches all to NAFO Division ‘1’… need to cross check against NAFO to see if correct and reassign catches inside/outside accordingly + adjust sector

- Still need to look into USA catches: overlap between Canadian and USA report estimating USA catches in FAO 21?

- Thailand’s 999 catches for FAO 57 assigned all to Andaman and Nicobar while FAO 71 catches assigned all to Cambodia… reverted back to 999 for quick fix.

- FAO 47 overhaul: harmonized input data with Dyhia’s working file (referred to as ‘ForVicky’) because input data’s ‘unreported landings’ actually supposed to be reported landings + unreported landings; Reported landings under-reported in her working file so that was adjusted before calculations. USSR catches were also disaggregated into Russian, Ukrainian and Lithuanian catches based on updated access agreements and Dyhia’s unreported estimations; working file included the billion tonnage error in it still, interpolated unreported catches; needed to re-estimate some discard ratios where reported landings were missing; applied general rule: reported landings = ForVicky file, discards = input/reconstructions; unreported landings = ForVicky unreported – Input/reconstructions discards [when unreported < 0 after this calculation, unreported = 0]

- South Korea, Uruguay, Iceland, South Africa in FAO 47 double counts removed (confirmed with   
 Dyhia)

- Israel reported landings in FAO area 47 from Israel reconstruction removed (double count)

- Iraq reported landings in FAO area 47 from Iraq reconstruction removed (double count)

- Cambodia reported landings in FAO area 47 from Cambodia reconstruction removed (double   
 count)

- China reported landings in FAO area 47 from China reconstruction removed (double count)

- Original Country fishing column should be text 🡪 converted IDs (ID 810 = USSR)

- Nicaragua Istiophoridae bycatch/shrimp fishery discards were moved from layer 3 to layer 1.

- old set of USA 999 catches in FAO 67 🡪 updated, much lower catch amounts, different years; the rest of the catch seems to match update (confirmed by Darcy)

- Bulgaria updated and inserted into input data base