CATDIS README FILE

ICCAT Secretariat

[Version 2020.11]

Summary

This document briefly describes the CATDIS files publicly available on the ICCAT webpage (www.iccat.int/en/accesingdb.html). It presents the file formats, structures and content.

The current CATDIS dataset covers the time period from **1950 to 201**. It was updated using the latest version of CATDIS estimated during 2019 (years 1950 to 2017) in order to reflect the changes made to Task 1 nominal catches (T1NC) and Task 2 catch and effort (T2CE) during 2020. The current CATDIS version reflects (relative difference in weight of ±1%) the T1NC (as of 2020-11-17) dataset for the 9 species.

Definition

CATDIS is basically an estimation of T1NC for the nine major tuna and tuna like species of ICCAT, stratified in time (trimester) and area (5x5 degree squares). Details on Flag, Fleet, Gear group, Stock and School type (Purse seiners in tropical fisheries) were also maintained. It assumes that, time-space distribution of T2CE partial data (T2CE, has with a wide range [15%, 100%] of coverage levels among all the datasets used on the estimations) is representative of T1NC overall annual catches distribution in time and area.

File description

All CATDIS files are ASCII text files with comma delimited format (*.csv). They can be opened with any spreadsheet application (MS-EXCEL, LibreOffice CALC, etc.) or other program. In all cases the default field delimiter is "," and none of the text fields have character qualifiers.

Two files are available:

- **"cdis5018_ALL.7z"**: compressed archive containing only one "*.csv" file with all the 9 species (581994 records).
- **"cdis5018_bySpecies.7z"**: compressed archive containing 9 files, one per species. The table below shows the number of records of each species-based file (guide for older EXCEL/CALC versions).

	ALB	BET	BFT	BUM	SAI	SKJ	SWO	WHM	YFT	TOTAL
No. records	**72178**	**117257**	**22082**	**46302**	**41784**	**47343**	**75036**	**38258**	**121754**	**581994**

The files are in compressed formats ("*.7z"). Download and install in your machine the freeware software **7-zip** (www.7-zip.org) which takes care of both compression formats.

Structure

The fields in all files have the following structure:

Field	Type	Description	Auxiliary Table*
SpeciesCode	string	ICCAT species code	Species
YearC	integer	Calendar Year	
Decade	integer	Decade (natural decades; e.g.: 2000 to 2009)	
FlagName	string	ICCAT Flag Name	Flags
FleetCode	string	ICCAT Fleet code	Fleets
Stock	string	Species related stock or management unit	
GearGrp	string	Gear group	
SchoolType	string	Type of fishing operation (PS only)	School types
Trimester	string	Time strata (trimester 1, 2, 3, 4)	
QuadID	string	ICCAT quadrant	ICCAT Quadrants
Lat5	integer	Latitude of a 5x5 square	
Lon5	integer	Longitude of a 5x5 square	
yLat5ctoid	float	Latitude (decimal degrees) centroid (cartesian) of a 5x5 square	
xLon5ctoid	float	Longitude (decimal degrees) centroid (cartesian) of a 5x5 square	
CWPCode	integer	FAO/CWP areal grid code (see: http://www.fao.org/cwp-on-fishery-statistics/handbook)	
Catch_t	float	Nominal catches (tones)	

* Auxiliary table codes at: www.iccat.int/Data/Catdis/ICCAT_codes.xlsx

Geographical strata

All CATDIS is standardized in a 5x5 degree square stratification. Upon various user requests, three types of geographical classifications are now available:

- **QuadID, Lat5, Lon5** (ICCAT system): define the corner of the square closest to the origin (Lat=0; Lon=0). Quadrant definitions (QuadID) are: 1=NE; 1=SE; 3=SW; 4=NW.
- **yLat5ctoid/ yLat5ctoid:** centroids (central point) of the 5x5 squares. They are in decimal degrees (e.g.: Lat = -35.5 equals 35°30”S)
- **CWPCode:** FAO-CWP grid system with mask "GQYYXX", where G (grid type) {6 | 5x5, ...); Q (quadrant): {1|NE,2|SE,3|SW,4|NW}; YY (Lat): [0, 90[; XX (Lon): [0, 90[.

The FAO/CWP grid system was added recently (FAO request) aiming to facilitate the inclusion of the CATDIS datasets into the future FAO Global Atlas.

Gear group

Gear groups of each species were defined based on its relative importance (in weight) in overall catches by decade. Table below summarizes the gear groups adopted on each species. Code "oth" references all the remainder gears (including the unclassified ones).

	ALB	*BET*	*BFT*	*BUM*	*SAI*	*SKJ*	*SWO*	*WHM*	*YFT*
BB (bait boat)	X	X	X	X	X	X	X	X	X
GN (gillnet)	X			X	X		X	X	
HL (handline)			X		X				
HP (harpoon)							X		
LL (longline)	X	X	X	X	X	X	X	X	X
PS (purse seine)	X	X	X	X	X	X	X	X	X
RR (rod & reel)			X	X	X			X	
TP (trap)			X						
TR (troll)	X		X		X			X	
TW (trawl)	X								
oth (others)	X	X	X	X	X	X	X	X	X

Stocks

The word "Stock" is here employed to identify the ICCAT official biological stocks (and also management units) of the major species (www.iccat.int/Data/ICCAT_maps.pdf), and also, various species related management units (Mediterranean in all species; for YFT: ATE & ATW). The table below summarizes the Stocks (management units) of each species.

	ALB	***BET***	***BFT***	***BUM***	***SAI***	***SKJ***	***SWO***	***WHM***	***YFT***
AT (all Atlantic)		X		X				X	
ATE (Atlantic East)			X		X	X			X
ATN (Atlantic North)	X						X		
ATS (Atlantic South)	X						X		
ATW (Atlantic West)			X		X	X			X
MED (Mediterranean)	X	X	X	X	X	X	X	X	X

Other

The ICCAT Secretariat has also available (on explicit request) the detailed association/substitution tables used to estimate CATDIS.

In addition, specific requests involving CATDIS, in terms of additional explanations, specific formats, explicit data aggregations, can be made to the Secretariat trough STATS_info@iccat.int .