CATDIS README FILE

ICCAT Secretariat

[Version 2018.08]

Summary

This document briefly describes the CATDIS files publically 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 2016**. It was updated using the last year overall CATDIS estimations in order to reflect the changes made to Task-1 nominal catches (T1NC) and Task-2 catch and effort (T2CE) during 2018. The current CATDIS version is synchronized (±1% error in weight) the T1NC (as of 2018-07-17) 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 space (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 dispersion in time and space.

File description

All CATDIS files are ASCII text files, with comma delimited format (*.csv), which can be opened with any spreadsheet based application (MS-EXCEL, LibreOffice 6.1 CALC) or other program. In all cases the default delimiter is ",". Text fields don't have text qualifiers.

Two files are available:

- **"cdis5016_ALL.7z"**: compressed archive containing only one "*.csv" file with all the 9 species (556155 records).

- **"cdis5016_bySpecies.7z"**: compressed archive containing 9 files (one for each species). The table below, which shows the number of rows of each species based file, can be used as guidance for those using older MS-Excel versions.

	ALB	BET	BFT	BUM	SAI	SKJ	SWO	WHM	YFT
No records	69921	111310	21430	44956	40034	43675	72087	36435	116307

The files are in compressed formats ("*.7z" OR "*.zip"). 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; 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	
Catch_t	float	Nominal catches (tones)	

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

Geographical strata

All CATDIS is standardized in a 5x5 degree square stratification. Upon various requests, we have included two types of geographical classifications:

- **QuadID, Lat5, Lon5** (in conjunction): 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)

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; for BUM and WHM: ATN & ATS). 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 table used in the CATDIS estimation.

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 .