

ICES Data Centre – DATRAS 2.0 Units in DATRAS – 2017

DATRAS Specification Document Units in DATRAS Products

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Exchange Data

Exchange data is the product for all surveys, and includes data as reported by the national institutes. Some of the surveys have additional fields, not used in the majority of surveys. This list includes all possible fields from DATRAS surveys. Fields are enlisted in order of appearance in the downloaded file, merged for all record types. For survey-specific list of records and fields with correct reference codes, please address DATRAS Reporting format.

Abbreviation as in http://vocab.ices.dk/?ref=102 Duarter http://vocab.ices.dk/?ref=12 Dountry http://vocab.ices.dk/?ref=4 Ship http://vocab.ices.dk/?ref=3 Gear http://vocab.ices.dk/?ref=3 Gear http://vocab.ices.dk/?ref=2 SweepIngt Metres GearExp http://vocab.ices.dk/?ref=97 DoorType http://vocab.ices.dk/?ref=98 StNo National station code/number HaulNo Numeric value (Year Calendar year, yyyy Month http://vocab.ices.dk/?ref=13 Day Calendar day of the month, dd TimeShot GMT, hhmm Stratum http://vocab.ices.dk/?ref=99 HaulDur Minutes DayNight http://vocab.ices.dk/?ref=8 ShootLat Degree.Decimal Degree of latitude ShootLat Degree.Decimal Degree of longitude HaulLat Degree.Decimal Degree of longitude HaulVal http://yocab.ices.dk/?ref=1 HydroStNo National code for hydorgraphic station, if applicable StdSpecRecCode http://vocab.ices.dk/?ref=8 BycSpecRecCode http://vocab.ices.dk/?ref=8 BycSpecRecCode http://vocab.ices.dk/?ref=9 Netopening Metres Narpone Metres Warpone Kg per linear meter DoorSurface Square metres	Field name	Units/codes description
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OnorWat Kilograms	<u>DoorSurface</u>	·
	<u>DoorWgt</u>	Kilograms
	DoorSpread	
<u>WingSpread</u> Metres	WingSpread	Metres

<u>Buoyancy</u>	Kilograms
<u>KiteDim</u>	Square metres
<u>WgtGroundRope</u>	Kilograms
<u>TowDir</u>	Degrees
GroundSpeed	Knots
<u>SpeedWater</u>	Knots
SurCurDir	Degrees
SurCurSpeed	Metres/second
BotCurDir	Degrees
BotCurSpeed	Metres/second
WindDir	Degrees
WindSpeed	Metres/second
SwellDir	Degrees
SwellHeight	Metres
SurTemp	Celsius degrees
BotTemp	Celsius degrees
SurSal	Practical Salinity Units (PSU)
BotSal	Practical Salinity Units (PSU)
ThermoCline	http://vocab.ices.dk/?ref=112
ThClineDepth	Metres
CodendMesh	Millimetres
	Metres
SecchiDepth Turbidity	NTU
Turbidity	
<u>TidePhase</u>	Minutes
<u>TideSpeed</u>	Metres/second
<u>PelSampType</u>	http://vocab.ices.dk/?ref=1391
MinTrawlDepth	Metres
MaxTrawlDepth	Metres
DateofCalculation	YYYYMMDD, when the product was updated in the database
<u>SpecCodeType</u>	http://vocab.ices.dk/?ref=96
<u>SpecCode</u>	http://datras.ices.dk/Data_products/qryspec.aspx
<u>SpecVal</u>	http://vocab.ices.dk/?ref=5
Sex	http://vocab.ices.dk/?ref=17
<u>TotalNo</u>	Number of fish
<u>CatIdentifier</u>	http://vocab.ices.dk/?ref=16
<u>NoMeas</u>	Number of fish
<u>SubFactor</u>	Factor of subsampling
<u>SubWgt</u>	Grams
<u>CatCatchWgt</u>	Grams
<u>LngtCode</u>	http://vocab.ices.dk/?ref=18
<u>LngtClass</u>	In mm for mm and ½-cm classes, in cm for cm classes
<u>HLNoAtLngt</u>	Number of fish
<u>DevStage</u>	http://vocab.ices.dk/?ref=1397
<u>LenMeasType</u>	http://vocab.ices.dk/?ref=1392
	Valid WoRMS AphiaID for the reported species code as in
ValidAphiaID	<u>WoRMS</u>
<u>AreaType</u>	http://vocab.ices.dk/?ref=10
	Check related references for <u>AreaType</u> and relevant dataset in
AreaCode	the ICES vocabulary server

the ICES vocabulary server

<u>AreaCode</u>

Maturity	http://vocab.ices.dk/?ref=128
<u>PlusGr</u>	http://vocab.ices.dk/?ref=14
<u>AgeRings</u>	Years
<u>CANoAtLngt</u>	Number of fish
<u>IndWgt</u>	Grams
<u>FishID</u>	Sample ID assigned by the national lab.
GenSamp	http://vocab.ices.dk/?ref=1390
<u>StomSamp</u>	http://vocab.ices.dk/?ref=1390
<u>ParSamp</u>	http://vocab.ices.dk/?ref=1390
<u>AgeSource</u>	http://vocab.ices.dk/?ref=1393
<u>AgePrepMet</u>	http://vocab.ices.dk/?ref=1394
OtGrading	http://vocab.ices.dk/?ref=1395

Litter Exchange Data

DATRAS bottom trawl survey litter data include both HH (haul) and LT (litter) data records. Records can be mapped to each other by the key values like Survey, Year, Quarter, Country, Ship, Gear. Fields for the HH records are described in the table above. LT fields are as below.

For additional information on fields in litter record, please refer to http://dome.ices.dk/datsu/selRep.aspx?Dataset=122

Field name	Units/codes description
RecordType	http://vocab.ices.dk/?ref=191
Quarter	http://vocab.ices.dk/?ref=12
Country	http://vocab.ices.dk/?ref=4
Ship	http://vocab.ices.dk/?ref=3
Gear	http://vocab.ices.dk/?ref=2
Survey	Abbreviation as in http://vocab.ices.dk/?ref=102
Reserved1	System-reserved field, default value -9
Reserved2	System-reserved field, default value -9
StNo	National station code/number
HaulNo	Numeric value
Year	Calendar year, yyyy
LTREF	Litter reference list. http://vocab.ices.dk/?ref=1381
PARAM	Refer to http://vocab.ices.dk/ for the complete list of codes for the given LTREF
LTSZC	Litter size category http://vocab.ices.dk/?ref=1380
UnitWgt	Units used for reporting the next field http://vocab.ices.dk/?ref=1421
LT_Weight	Litter weight, see prev. field for units
	Units used for reporting the next field
UnitItem	http://vocab.ices.dk/?ref=1422
LT_Items	Number of litter items, see prev. field for units
LTSRC	Litter source, http://vocab.ices.dk/?ref=1382
TYPPL	Type of polymer, http://vocab.ices.dk/?ref=1385
LTPRP	Additional litter properties, http://vocab.ices.dk/?ref=1403

CPUE per length per haul

(Product for standard and other species)

Field name	Units/codes description
Survey	http://vocab.ices.dk/?ref=102
Year	Calendar year, yyyy
Quarter	http://vocab.ices.dk/?ref=12
Ship	http://vocab.ices.dk/?ref=3
Gear	http://vocab.ices.dk/?ref=2
HaulNo	Numeric value
HaulDur	Duration in minutes
ShootLat	Degree.Decimal Degree of latitude
ShootLong	Degree.Decimal Degree of longitude
DeteTime	As dd/mm/yyyy hh:mm:ss (Note: this format can be
DateTime	automatically altered by Excel)
Depth	Metres
Area	Survey-related area. Check http://vocab.ices.dk/ and Survey Maps for more information
SubArea	Depth stratum code or ICES statistical rectangle
DayNight	http://vocab.ices.dk/?ref=8
AphiaID	http://www.marinespecies.org/
Species	Latin name
Sex	http://vocab.ices.dk/?ref=17
LngtClass	In millimetres
CPUE_number_per_hour	Catch in numbers per hour of hauling
DateofCalculation	Last date the product was calculated in YYYYMMDD

CPUE per length per area

(Product for standard and other species)

Field name	Units/codes description
Survey	http://vocab.ices.dk/?ref=102
Year	Calendar year, yyyy
Quarter	http://vocab.ices.dk/?ref=12
Area	http://vocab.ices.dk/
AphiaID	http://www.marinespecies.org/
Species	Latin name
LngtClass	Millimetres
CPUE_number_per_hour	Catch in numbers per hour of hauling
DateofCalculation	Last date the product was calculated in YYYYMMDD

CPUE per length per subarea

(Product for standard and other species)

Field name	Units/codes description
Survey	http://vocab.ices.dk/?ref=102
Year	Calendar year, yyyy
Quarter	http://vocab.ices.dk/?ref=12
	Survey-related area. Check http://vocab.ices.dk/ and
Area	Survey Maps for more information
SubArea	<u>Depth stratum code</u> or <u>ICES statistical rectangle</u>
AphiaID	http://www.marinespecies.org/
Species	Latin name
LngtClass	Millimetres
CPUE_number_per_hour	Catch in numbers per hour of hauling
DateofCalculation	Last date the product was calculated in YYYYMMDD

CPUE per age per haul

(Product for standard survey species only)

Field name	Units/codes description
Survey	http://vocab.ices.dk/?ref=102
Year	Calendar year, yyyy
Quarter	http://vocab.ices.dk/?ref=12
Ship	http://vocab.ices.dk/?ref=3
Gear	http://vocab.ices.dk/?ref=2
HaulNo	Numeric value
ShootLat	Degree.Decimal Degree of latitude
ShootLong	Degree.Decimal Degree of longitude
DateTime	As dd/mm/yyyy hh:mm:ss (Note: this format can be automatically altered by Excel)
Depth	Metres
	Survey-related area. Check http://vocab.ices.dk/ and
Area	Survey Maps for more information
SubArea	<u>Depth stratum code</u> or <u>ICES statistical rectangle</u>
DayNight	http://vocab.ices.dk/?ref=8
AphiaID	http://www.marinespecies.org/
Species	Latin name
Sex	http://vocab.ices.dk/?ref=17
Age_0	Catch in numbers per hour
Age_1	Catch in numbers per hour
Age_2	Catch in numbers per hour
Age_3	Catch in numbers per hour
Age_4	Catch in numbers per hour
Age_5	Catch in numbers per hour
Age_6	Catch in numbers per hour
Age_7	Catch in numbers per hour
Age_8	Catch in numbers per hour
Age_9	Catch in numbers per hour
Age_10	Catch in numbers per hour
DateofCalculation	Last date the product was calculated in YYYYMMDD

CPUE per age per area

(Product for standard survey species only)

Field name	Units/codes description
Survey	http://vocab.ices.dk/?ref=102
Year	Calendar year, yyyy
Quarter	http://vocab.ices.dk/?ref=12
	Survey-related area. Check http://vocab.ices.dk/ and
Area	Survey Maps for more information
AphiaID	http://www.marinespecies.org/
Species	Latin name
Age_0	Catch in numbers per hour
Age_1	Catch in numbers per hour
Age_2	Catch in numbers per hour
Age_3	Catch in numbers per hour
Age_4	Catch in numbers per hour
Age_5	Catch in numbers per hour
Age_6	Catch in numbers per hour
Age_7	Catch in numbers per hour
Age_8	Catch in numbers per hour
Age_9	Catch in numbers per hour
Age_10	Catch in numbers per hour
DateofCalculation	Last date the product was calculated in YYYYMMDD

CPUE per age per subarea

(Product for standard survey species only)

Field name	Units/codes description
Survey	http://vocab.ices.dk/?ref=102
Year	Calendar year, yyyy
Quarter	http://vocab.ices.dk/?ref=12
	Survey-related area. Check http://vocab.ices.dk/ and
Area	Survey Maps for more information
SubArea	<u>Depth stratum code</u> or <u>ICES statistical rectangle</u>
AphiaID	http://www.marinespecies.org/
Species	Latin name
Age_0	Catch in numbers per hour
Age_1	Catch in numbers per hour
Age_2	Catch in numbers per hour
Age_3	Catch in numbers per hour
Age_4	Catch in numbers per hour
Age_5	Catch in numbers per hour
Age_6	Catch in numbers per hour
Age_7	Catch in numbers per hour
Age_8	Catch in numbers per hour
Age_9	Catch in numbers per hour
Age_10	Catch in numbers per hour

DateofCalculation Last date the product was calculated in YYYYMMDD

CPUE per length per hour and swept area

(Product for standard and other species - BTS)

Field name	Units/codes description
Survey	http://vocab.ices.dk/?ref=102
Quarter	http://vocab.ices.dk/?ref=12
Country	http://vocab.ices.dk/?ref=4
Ship	http://vocab.ices.dk/?ref=3
Gear	http://vocab.ices.dk/?ref=2
SweepLngt	Metres
GearExp	http://vocab.ices.dk/?ref=97
DoorType	http://vocab.ices.dk/?ref=98
StNo	National station code/number
HaulNo	Numeric value
Year	Calendar year, yyyy
Month	Calendar month, mm
Day	Calendar day of the month, dd
TimeShot	GMT, hhmm
Stratum	http://vocab.ices.dk/?ref=99
HaulDur	Minutes
DayNight	http://vocab.ices.dk/?ref=8
ShootLat	Degree.Decimal Degree of latitude
ShootLong	Degree.Decimal Degree of longitude
HaulLat	Degree.Decimal Degree of latitude
HaulLong	Degree.Decimal Degree of longitude
StatRec	http://gis.ices.dk/sf/
	Metres; Bottom depth, which, in case of bottom trawling equals
Depth	Trawling depth
HaulVal	http://vocab.ices.dk/?ref=1
StdSpecRecCode	http://vocab.ices.dk/?ref=88
BycSpecRecCode	http://vocab.ices.dk/?ref=89
DataType	http://vocab.ices.dk/?ref=9
Netopening	Metres
Rigging	http://vocab.ices.dk/?ref=181
Tickler	http://vocab.ices.dk/?ref=182
Distance	Metres
WarpIngt	Metres
TowDir	Degrees
WindDir	Degrees
WindSpeed	Metres/second
SwellDir	Degrees
SwellHeight	Metres
ICESArea	ICES statistical area
AphiaID	http://www.marinespecies.org/
Species	Latin name
SpecVal	http://vocab.ices.dk/?ref=5

Sex	http://vocab.ices.dk/?ref=17	
SubFactor	Factor of subsampling	
LngtClass	Millimetres	
	Number of fish at length,	
	http://datras.ices.dk/Data_products/FieldDescription.aspx?Fields=H	
HLNoAtLngt	LNoAtLngt&SurveyID=2341	
NoPerHaul	Number of fish per haul	
BeamWidth	Metres	
DistanceDerived	Metres	
CPUE_number_per_hour	Catch in numbers per hour of hauling	
SweptArea_km2	Square kilometre	
CPUE_number_per_km2	Catch in numbers per square kilometre	

SMALK (non-BTS surveys)

(Product for standard and other species)

Field name	Units/codes description	
Survey	http://vocab.ices.dk/?ref=102	
Year	Calendar year, yyyy	
Country	http://vocab.ices.dk/?ref=4	
Quarter	http://vocab.ices.dk/?ref=12	
Area	Survey-related area. Check http://vocab.ices.dk/ and	
AphiaID	Survey Maps for more information http://www.marinespecies.org/	
Species	Latin name	
LngtClass	Millimetres	
PlusGr	http://vocab.ices.dk/?ref=14	
Age	Years	
Sex	http://vocab.ices.dk/?ref=17	
Maturity	http://vocab.ices.dk/?ref=128	
IndWgt	Grams	
CANoAtLngt	Catch in numbers per hour	
DateofCalculation	Last date the product was calculated in YYYYMMDD	

SMALK (BTS)

(Product for standard and other species in BTS surveys)

Field name	Units/codes description	
Survey	http://vocab.ices.dk/?ref=102	
Year	Calendar year, yyyy	
Quarter	http://vocab.ices.dk/?ref=12	
Ship	http://vocab.ices.dk/?ref=3	
AphiaID	http://www.marinespecies.org/	
Species	Latin name	
LngtClass	Millimetres	
Sex	http://vocab.ices.dk/?ref=17	
Maturity	http://vocab.ices.dk/?ref=128	

Age_0	Catch in numbers per hour	
Age_1	Catch in numbers per hour	
Age_3	Catch in numbers per hour	
Age_4	Catch in numbers per hour	
Age_5	Catch in numbers per hour	
Age_6	Catch in numbers per hour	
Age_7	Catch in numbers per hour	
Age_8	Catch in numbers per hour	
Age_9	Catch in numbers per hour	
Age_10	Catch in numbers per hour	

ALK (Product for standard species only)

Field name	Units/codes description	
Survey	http://vocab.ices.dk/?ref=102	
Year	Calendar year, yyyy	
Quarter	http://vocab.ices.dk/?ref=12	
	Survey-related area. Check http://vocab.ices.dk/ and Survey	
Area	Maps for more information	
AphiaID	http://www.marinespecies.org/	
Species	Latin name	
LngtClass	Millimetres	
Age_0	Number of fish	
Age_1	Number of fish	
Age_2	Number of fish	
Age_3	Number of fish	
Age_4	Number of fish	
Age_5	Number of fish	
Age_6	Number of fish	
Age_7	Number of fish	
Age_8	Number of fish	
Age_9	Number of fish	
Age_10	Number of fish	
DateofCalculation	Last date the product was calculated in YYYYMMDD	

Indices
(Product for standard species only)

Field name	Units/codes description	
Survey	http://vocab.ices.dk/?ref=102	
Year	Calendar year, yyyy	
Quarter	http://vocab.ices.dk/?ref=12	
AphiaID	http://www.marinespecies.org/	
Species	Latin name	
IndexArea	http://vocab.ices.dk/?ref=162	
Sex	http://vocab.ices.dk/?ref=17	
PlusGr	http://vocab.ices.dk/?ref=14	
Age_0	Number per hour per area for standard gear	
Age_1	Number per hour per area for standard gear	
Age_2	Number per hour per area for standard gear	
Age_3	Number per hour per area for standard gear	
Age_4	Number per hour per area for standard gear	
Age_5	Number per hour per area for standard gear	
Age_6	Number per hour per area for standard gear	
Age_7	Number per hour per area for standard gear	
Age_8	Number per hour per area for standard gear	
Age_9	Number per hour per area for standard gear	
Age_10	Number per hour per area for standard gear	
Age_11	Number per hour per area for standard gear	
Age_12	Number per hour per area for standard gear	
Age_13	Number per hour per area for standard gear	
Age_14	Number per hour per area for standard gear	
Age_15	Number per hour per area for standard gear	
DateofCalculation	Last date the product was calculated in YYYYMMDD	

Bootstrap data

(Product for standard species only – NS-IBTS)

Field name	Units/codes description	
Survey	http://vocab.ices.dk/?ref=102	
Year	Calendar year, yyyy	
Quarter	http://vocab.ices.dk/?ref=12	
AphiaID	http://www.marinespecies.org/	
Species	Latin name	
IndexArea	http://vocab.ices.dk/?ref=162	
Sex	http://vocab.ices.dk/?ref=17	
PlusGr	http://vocab.ices.dk/?ref=14	
Age_0	Bootstrap number	
Age_1	Bootstrap number	
Age_2	Bootstrap number	
Age_3	Bootstrap number	
Age_4	Bootstrap number	
Age_5	Bootstrap number	
Age_6	Bootstrap number	
Age_7	Bootstrap number	
Age_8	Bootstrap number	
Age_9	Bootstrap number	
Age_10	Bootstrap number	
Age_11	Bootstrap number	
Age_12	Bootstrap number	
Age_13	Bootstrap number	
Age_14	Bootstrap number	
Age_15	Bootstrap number	
Bootnumber	Bootstrap	
DateofCalculation	Last date the product was calculated in YYYYMMDD	

Range divide by median bootstrap

(Product for standard species only – NS-IBTS)

Field name	Units/codes description	
Survey	http://vocab.ices.dk/?ref=102	
Year	Calendar year, yyyy	
Quarter	http://vocab.ices.dk/?ref=12	
AphiaID	http://www.marinespecies.org/	
Species	Latin name	
IndexArea	http://vocab.ices.dk/?ref=162	
Sex	http://vocab.ices.dk/?ref=17	
PlusGr	http://vocab.ices.dk/?ref=14	
Age_0	Bootstrap number	
Age_1	Bootstrap number	
Age_2	Bootstrap number	
Age_3	Bootstrap number	
Age_4	Bootstrap number	
Age_5	Bootstrap number	
Age_6	Bootstrap number	
Age_7	Bootstrap number	
Age_8	Bootstrap number	
Age_9	Bootstrap number	
Age_10	Bootstrap number	
Age_11	Bootstrap number	
Age_12	Bootstrap number	
Age_13	Bootstrap number	
Age_14	Bootstrap number	
Age_15	Bootstrap number	
DateofCalculation	Last date the product was calculated in YYYYMMDD	

ICES DATRAS Units in DATRAS Products

Version Number	Release Date	Note
1.1	12-05-2011	Initial version, reviewed by ICES Data Centre
1.2	22-02-2013	Links edited according to changes on www.ices.dk
1.3	31-08-2014	Updated information
1.4	16-09-2014	Added part on litter codes and units
2	06-02-2017	Revised all product references