**Common Metadata**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Api Name (JSON)** | **Display Section** | **Mandatory (No, Aggregated, All) \*** | **Is Tag (Aggregated records only)** | **Is Group** | **Is Sensitive** | **Type** | **Example** | **Guidelines/Comments** |
| GRSF Type | N/A | Fishery Identity/Stock Identity | All | **YES** | No | No | Field | Fishery or Stock | Automatically compiled |
| Source | N/A | N/A | Aggregated | No | No | No | Field | Any combination of the following values: "FIRMS", "RAMS" or "FishSource". RAM/FishSource/FIRMS records don't have this property. | Automatically compiled |
| Data owner | data\_owner | Fishery Data/Stock Data | No | No | No | **Yes** | Field | e.g. IATTC |  |
| **Database Sources** | **database\_sources** | **Fishery Identity/Stock Identity** | **Aggregated** | **No** | **No** | **No** | **Resource** | **"database\_sources": [{"name":"FIRMS", "description": "unknown", "url":"http://....."}, ...]** | **IT DOES NOT SEEM TO BE PRESENT ANYMORE. A list of elements of the type {"name": "a name", "description": "a description", "url": "http://...."}. Name and url are mandatory. For the attribute *name* there is a controlled vocabulary: FIRMS, RAM, FishSource.** |
| **Source of Information** | **source\_of\_information** |  | No | No | No | No | Resource | "source\_of\_information" : [{"name":"...", "description": "...", "url":"http://....."},...] | A list of elements of the type {"name": "a name", "description": "a description", "url": "http://...."}. Name and url are mandatory. |
| **Refers To** | **refers\_to** | **TO BE CHECKED.** | **Aggregated** | **No** | **No** | **No** | **No** | **Check the record**[**http://data.d4science.org/ctlg/GRSF\_Admin/f82393dd-d23a-3c26-98d3-ccc5f7910266**](http://data.d4science.org/ctlg/GRSF_Admin/f82393dd-d23a-3c26-98d3-ccc5f7910266)**The json submitted by KB contains: "refers\_to" : [ { "id" : "c29b2485-c33f-3c03-8790-55a1dcf045ed", "url" : "**[**http://data.d4science.org/ctlg/GRSF\_Admin/c29b2485-c33f-3c03-8790-55a1dcf045ed**](http://data.d4science.org/ctlg/GRSF_Admin/c29b2485-c33f-3c03-8790-55a1dcf045ed)**"}] but I don't find the field in CKAN GUI.** | **A list of objects of the format {"url": "http://", "id": "..."} that allows the aggregated GRSF records to point to their source records already published in the catalogue. The url and the id are both mandatory and are the ones returned by the services when a source record is published.** |
| Short Name | short\_name | Stock Identity/Fishery Identity | Aggregated | No | No | No | Field | American Plaice NAFO-5YZ - <https://data.d4science.org/ctlg/GRSF_Admin/f6342402-b5fb-3457-9b49-c0a018f2ce72> | A short name for this product |
| SDG Flag | sdg\_flag | Additional Info | **YES ????** | No | Yes (The group is assigned only if the value is true - GRSF SDG Flag : grsf-sdg-flag) | No | Field | true or false | Available only in record <https://data.d4science.org/ctlg/GRSF/a676350b-c37c-3754-aa64-13ad407f829e> |
| Status of the GRSF record | status\_grsf\_record | Additional Info | Aggregated | No | No | No | Field | Pending | *Controlled vocabulary: Pending, Rejected, Confirmed, Archived, Hidden, Merged (i.e. when the aggregated record comes out from more than one source record)* |
| Catches | catches | Stock Data/Fishery Data | No | No | Yes (Catches) | Yes | Resource | "catches": [{"unit" : "...", "value": "...", "year": "..."}, ...] | A time series of value, unit and date |
| Landings | landings | Stock Data/Fishery Data | No | No | Yes (Landings) | Yes | Resource | "landings": [{"unit" : "...", "value": "...", "year": "..."}, ...] | A time series of value, unit and date |
| Species | species | Stock Identity/Fishery Identity | Aggregated | Yes | No | No | Field (repeatable) |  | The multiple fields are mapped as multiple key/value pair fields in the catalogue. |
| Similar GRSF Record" | similar\_grsf\_records | Stock Identity/Fishery Identity | Aggregated | No | No | No | Field (repeatable) |  |  |
| **Similar Source Record** | **similar\_source\_records** |  | **Aggregated** | **No** | **No** | **No** | **Field (repeatable)** |  | **IT DOES NOT SEEM TO BE PRESENT ANYMORE** |
| Domain | N/A | Additional Info | All | No | **YES** | No | Field |  | Automatically set to Stock or Fishery. |
| GRSF UUID | grsf\_uuid | **Additional Info** | All | No | No | No | Field |  | The id of this Stock/Fishery object into the Knowledge Base. **It must be unique** because will be used as name of the published product. |
| **Management Body/Authority(ies)** | **management\_body\_authorities** | **Stock Identity/Fishery Identity** | **Aggregated** | **No** | **No** | **No** | **Field** |  | **IT DOES NOT SEEM TO BE PRESENT ANYMORE** |
| **spatial (IT SHOUDL BE SPATIAL)** | spatial | Additional Info | No | No | No | No | Field | 2005 |  |
| **Connected Record** | **connected** | **Stock Identity/Fishery Identity** |  |  |  |  |  |  | IT DOES NOT SEEM TO BE PRESENT ANYMORE |
| Annotation | annotations | Additional Info | No | No | No | **YESTO BE CHECKED** | Field | {"annotation\_message":"checked together with Paula Anton","admin":"Aureliano Gentile","time":"2018-07-27 14:58:13 CET"} | The example is from record <https://data.d4science.org/ctlg/GRSF_Admin/22657fbf-41fb-3c10-90bd-6244b38d4e05> |
| N/A | similarities\_indicator | N/A | N/A | Yes | No | No | N/A | Tag values are: "with similar records", "without similar records" | USED only for tagging. |
| N/A | without similar records | N/A | N/A | Yes | No | No | N/A | Tag values are: " connected", "not connected" | USED only for tagging. |
| Citation | citation | Additional Info + Top Button | No | No | No | No | Field | © D4Science.org. Hippoglossoides platessoides - Atlantic, Northwest / 21.5.Y - Atlantic, Northwest / 21.5.Z. In: Global Record of Stocks and Fisheries (GRSF). Consiglio Nazionale delle Ricerche, CNR. Version: 1.0. Updated: June 14, 2021. Accessed: [Date accessed and/or downloaded]. <http://data.d4science.org/ctlg/GRSF_Admin/f6342402-b5fb-3457-9b49-c0a018f2ce72>. Database sources: [FishSource, RAM] | Using the button the part [Date accessed and/or downloaded] is replaced with the current time e.g. Fri Jan 21 2022 11:32:51 GMT+0100 (Central European Standard Time). |

*\* specifies if an attribute is not mandatory (No), mandatory for GRSF aggregated records (Aggregated) or is mandatory for every record (All)*

**Stock Metadata**

The Stock product type also supports the following list of fields.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **API Name** | **Display Section** | **Mandatory (No, Aggregated, All) \*** | **Is Tag (Aggregated records only)** | **Is Group** | **Is Sensitive** | **Type** | **Example** | **Guidelines/Comments** |
| Stock Name | stock\_name | Stock Identity + Top | All | No | No | No | Field | Skipjack tuna - Eastern Pacific | The title of the record/item. |
| GRSF Semantic identifier | grsf\_semantic\_identifier | Stock Identity + Top of the record | **All** | **No** | **No** | **No** | **Field** | asfis:PLA+fao:21.5.Y;fao:21.5.Z |  |
| Assessment Area | assessment\_area | Stock Identity | No | Yes | No | No | Field (repeatable) | "assessment\_distribution\_area": ["East Pacific Ocean",...] | The multiple fields are mapped as multiple key/value pair fields in the catalogue. |
| Exploiting Fishery | exploiting\_fishery | Stock Identity | No | No | No | No | Field (repeatable) | "exploiting\_fishery": ["Tunas and billfishes fishery", ....] | The multiple fields are mapped as multiple key/value pair fields in the catalogue. |
| Assessment methods | assessment\_methods | Stock Data | No | No | No | No | Field | Analytical assessment |  |
| Abundance level (FIRMS Standard) | firms\_standard\_abundance\_level | Stock Data | No | No | Yes (Group name: "Abundance Level (FIRMS Standard)") | Yes | Resource | "standard\_abundance\_level" : [{"year":2014, "value":"low abundance"}, {"year":2015, "value":"intermediate abundance"}, ...] | *Controlled vocabulary for "value": Not applicable, Intermediate abundance, Low abundance, Uncertain/Not assessed, Depleted* |
| Abundance level | abundance\_level | Stock Data | No | No | Yes (Group name: "Abundance Level") | Yes | Resource | "abundance\_level": [{"year":2014, "value":"low abundance", "unit": "..."}, {"year":2015, "value":"intermediate abundance", "unit": "..."}, ...] |  |
| Biomass | biomass | Stock Data | No | No | **YES** | Yes | Resource | "biomass": [{"year":2014, "value": 123, "unit": "..."}, {"year":2015, "value": 172, "unit": "..."}, ...] |  |
| Fishing Pressure (FIRMS Standard) | firms\_standard\_fishing\_pressure | Stock Data | No | No | Yes | Yes (Group name: "Fishing Pressure (FIRMS Standard)") | Resource | "standard\_fishing\_pressure" : [{"year":2014, "value":"..."}, {"year":2015, "value":"..."}, ...] |  |
| Fishing Pressure | fishing\_pressure | Stock Data | No | No | Yes(Group name: "Fishing Pressure") | Yes | Resource | "fishing\_pressure": [{"year":2014, "value":"...", "unit": "..."}, {"year":2015, "value":"...", "unit": "..."}, ...] |  |
| **State and Trend (SHOULD BE: "State and trend of Marine Resource")** | state\_and\_trend\_of\_marine\_resources | **Additional Info (SHOULD BE: Stock Data)** | No | No | **Yes (Group name: "State and Trend" - SHOULD BE: "State and Trend of Marine Resource")** | Yes | Resource |  |  |
| Fao Categories | fao\_categories | Stock Data | No | No | Yes(Group name: "Fao Categories") | No | Resource | e.g. overexploited [Ref. Year: 2011] | Time Series |
| Scientific Advice | scientific\_advice | **Additional Info ( SHOULD BE: Stock Data)** | No | No | Yes(Group name: "Scientific advice" - SHOULD BE: "Scientific Advice") | Yes | Field | The indices of abundance from two longline fleets available for this stock present divergent trends over the last few years, the differences observed in targeting are not fully explained. e.g. overexploited [Ref. Year: 2011] | A textual description. |
| Assessor | assessor | Stock Data | No | No | No | **Yes ???** | Field | GRP3 |  |
| GRSF Type | grsf\_type | Stock Identity | **No** | Yes (Value e.g. Assessment Unit) | **Yes (e.g. GRSF Assessment Unit)** | No | Field | e.g. Assessment Unit | *Controlled vocabulary: Assessment Unit, Marine Resource* |

*\* specifies if an attribute is not mandatory (No), mandatory for GRSF aggregated records (Aggregated) or is mandatory for every record (All)*

**Fishery Metadata**

The Fishery product type also supports the following list of fields.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **API Name** | **Display Section** | **Mandatory (No, Aggregated, All) \*** | **Is Tag (Aggregated records only)** | **Is Group** | **Is Sensitive** | **Type** | **Example** | **Guidelines/Comments** |
| Fishery Name | fishery\_name | Fishery Identity | All | No | No | No | Field | NAFO Flemish Cap groundfish fisheries | The title of the record/item. |
| GRSF Semantic identifier | grsf\_semantic\_identifier | Fishery Identity + Top of the record | All | No | No | No | Field | unk:GOLDEYE+fao:2+authority:NAT:CAN+iso3:CAN+isscfg:07.9 | Example from <https://data.d4science.org/ctlg/GRSF_Admin/de98c17e-6418-4cd0-8929-4ad0f63dbff8> |
| Traceability Flag | traceability\_flag | Fishery Identity | Aggregated | No | **Yes (only when it is true - Group name: "Traceability Flag" URL: traceability-flag). IN GRSF ADMIN the Group is called "GRSF Traceability Flag"**  **see**[**https://i-marine.d4science.org/group/grsf\_admin/data-catalogue?path=/group/grsf-traceability-flag**](https://i-marine.d4science.org/group/grsf_admin/data-catalogue?path=/group/grsf-traceability-flag)**I need to investigate the group name creation.** | No | Field |  | A boolean value |
| Fishing area | fishing\_area | Fishery Identity | No | Yes | No | No | Field (repeatable) | "fishing\_area": ["North Atlantic", .... ] | A list of values. **If missing then Jurisdiction Area cannot be null** |
| Jurisdiction Area | jurisdiction\_area | Fishery Identity | No | Yes | No | No | Field (repeatable) | "jurisdiction\_area": ["Senegal", "..."] | **If missing then Fishing Area cannot be null** |
| Resources Exploited | resources\_exploited | Fishery Identity | No | No | No | No | Field (repeatable) |  |  |
| **Type of Production System** | production\_system\_type | Fishery Identity | No | Yes | No | No | Field (Repeatable in case of RAM, FIRMS, FishSource records, a single value for GRSF records) | Industrial | IT DOES NOT SEEM TO BE PRESENT ANYMORE *Controlled vocabulary: Subsistence, Recreational, Commercial, Artisanal, Semi-industrial, Industrial, Exploratory\_fishery, Unspecified* |
| Flag state | flag\_state | Fishery Identity | No | Yes | No | No | Field (Repeatable in case of RAM, FIRMS, FishSource records, a single value for GRSF records) | Example field is "Code: PHL, System: iso3, Name: Philippines". The tag will be "Code PHL System iso3 Name Philippines". |  |
| Fishing gear | fishing\_gear | Fishery Identity | No | Yes | No | No | Field (Repeatable in case of RAM, FIRMS, FishSource records, a single value for GRSF records) | Example is "Code: SFP-16, System: sfp, Name: FAD-free purse seining". The tag will be "Code SFP-16 System sfp Name FAD-free purse seining". |  |
| GRSF Type | grsf\_type | No | **No** | Yes | No | Field | Fishing Activity | *Controlled vocabulary: Fishing Activity, Fishing Description* |  |

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