



EUROPEAN MARKET OBSERVATORY FOR FISHERIES AND AQUACULTURE PRODUCTS

Metadata 1

Data collection



Contents

1	National authorities	4
1.1	Type of data collected	4
1.2	Methodology for collecting and uploading data	11
1.3	Quality checks.....	11
2	Private information providers.....	12
2.1	Type of data collected	12
2.2	Methodology for collecting and uploading data	16
2.3	Quality checks.....	17
3	EU institutional sources	17
3.1	Type of data collected	17
3.2	Methodology for collecting and uploading data	19
3.3	Quality checks.....	19
4	Web pages	20
4.1	Type of data collected	20
4.2	Methodology for collecting and uploading data	20
4.3	Quality checks.....	21
	List of Annexes	21
	Annex 1 – Selected products at National/EU level.....	21



KEY NOTE TO THE DOCUMENT

“Data collection” describes the methodology used by the European Market Observatory for Fisheries and Aquaculture products (EUMOFA) to collect data from different sources, providing also all needed details and specifications of data collected (type of data, frequency, time-lag, origin of data, etc.).

Different sources have been identified and involved within the project and different methodologies have been developed for collecting related data.

The sources involved in the EUMOFA data feeding can be divided into four groups, depending on the origin of data collected:

- 1. National authorities**
- 2. Private information providers**
- 3. EU institutional sources**
- 4. Web pages** - for Norway only

For each of these sources, two methodologies are adopted for uploading data into the EUMOFA database.

- Data Collection Application (DCA);
- Direct upload into the EUMOFA database.



1 National authorities

1.1 Type of data collected

Data collected from national authorities refer to:

- Weekly indicators
Data on selected species and selected market places, at different stages of the supply chain
- Monthly indicators
Data covering all species and market places, for first sale and trade

The table below summarizes all specifications of data collected from National sources:

KEY TO THE TABLE

FS → First sale

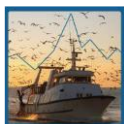
Win → Weekly indicators

W → Wholesale

Min → Monthly indicators

C → Consumption

I/E → Import / Export

**EUMOFA**

European Market Observatory for Fisheries and Aquaculture Products

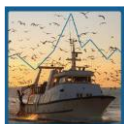
An initiative of the



European Commission

Metadata 1 Data collection**Last update:
29/03/2023**

	Organization in charge of data transmission	Origin	Frequency	Time lag	Type	Geographical specification	Nomenclature	Species monitored
BELGIUM								
FS - Win	Fishery Department of the Vlaamse Overheid (FVDO)	Daily data transmitted by three electronic auctions	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS - Min	Fishery Department of the Vlaamse Overheid (FVDO)	Daily data transmitted by three electronic auctions	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
BULGARIA								
FS - Min	Executive Agency for Fisheries and Aquaculture	Sales notes	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
CYPRUS								
FS - Min	Department of Fisheries and Marine Research	Sales notes	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
DENMARK								
FS - Win	Danish Directorate of Fisheries	Sales notes/auction data	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS - Min	Danish Directorate of Fisheries	Sales notes/auction data	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
ESTONIA								
FS - Min	Estonian Ministry of Rural Affairs	Sales notes/auction data	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
C - Win	Ministry of Rural Affairs	Institute of Economic Research	Monthly	One month	Average prices	National aggregate	English name	Annex 1 of this Metadata
GERMANY								
FS - Min	Federal Office for Agriculture and Food	Sales notes	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state



EUMOFA

European Market Observatory for Fisheries and Aquaculture Products

An initiative of the

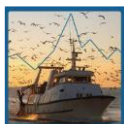


European Commission

Metadata 1 Data collection

**Last update:
29/03/2023**

	Organization in charge of data transmission	Origin	Frequency	Time lag	Type	Geographical specification	Nomenclature	Species monitored
GREECE								
FS - Min	Ministry of Rural Development & Food of Greece	Sales notes	Monthly	Six weeks	Volumes and values	National aggregate	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
W - Win	Ministry of development, competitiveness and shipping	Port of Piraeus	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
W - Min	Ministry of development, competitiveness and shipping	Port of Piraeus	Monthly	Three weeks	Volumes and values	For the port of Piraeus	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
C - Win	Ministry of development, competitiveness and shipping	The Ministry of Development collect retail data (on Large Scale Retail, every 7 days) and publish them on the Greek Price Observatory website	Monthly	One month	Average prices	National aggregate	English name	Annex 1 of this Metadata
FINLAND								
C - Win	Statistics Finland	Data collected for the elaboration of the Consumer price index	Monthly	14 days after the month of reference	Average prices for 3 products	National aggregate	English name	Annex 1 of this Metadata
FRANCE								
FS - Win	FranceAgriMer	Sales notes	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS - Min	FranceAgriMer	Sales notes	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
W-Win	FranceAgriMer	SNM - Réseau des Nouvelles des Marchés	Weekly	Sixteen days (for prices)	Average prices (arithmetic means, not weighted)	Annex 1 of this Metadata	French name	Annex 1 of this Metadata



EUMOFA

European Market Observatory for Fisheries and Aquaculture Products

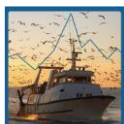
An initiative of the



Metadata 1 Data collection

**Last update:
29/03/2023**

	Organization in charge of data transmission	Origin	Frequency	Time lag	Type	Geographical specification	Nomenclature	Species monitored
C - Win	FranceAgriMer	SNM - Réseau des Nouvelles des Marchés	Weekly	Sixteen days (for prices)	Average prices (arithmetic means, not weighted)	National aggregate	French name	Annex 1 of this Metadata
HUNGARY								
C – Win	Research Institute of Agriculture Economics	Household panel	Monthly	Three weeks	Average prices	Annex 1 of this Metadata	English name	Annex 1 of this Metadata
ITALY								
FS-Win	Istituto di Servizi per il Mercato Agricolo Alimentare (ISMEA)	Auction data	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS-Min	Ministero delle Politiche Agricole, Alimentari e Forestali (MIPAAF)	Sales notes	Monthly	One month	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	All reported species
W-Win	Istituto di Servizi per il Mercato Agricolo Alimentare (ISMEA)	Data from wholesale markets	Weekly	One week	Weighted average prices	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
LITHUANIA								
FS - Win	Fisheries Service under the Ministry of Agriculture	Sales notes transmitted by first-sale buyers	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS - Min	Fisheries Service under the Ministry of Agriculture	Sales notes transmitted by first-hand buyers of fish	Monthly	Three weeks	Volumes and values of all species except those from coastal fishing	All places of sale	Fao 3-alpha code	All marketed species, by presentation, size and preservation state



EUMOFA

European Market Observatory for Fisheries and Aquaculture Products

An initiative of the

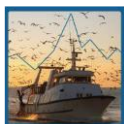


European Commission

Metadata 1 Data collection

**Last update:
29/03/2023**

	Organization in charge of data transmission	Origin	Frequency	Time lag	Type	Geographical specification	Nomenclature	Species monitored
C - Win	Agricultural Information and Rural Business Centre	Price registration in supermarkets and other retail points	Weekly	One week	Average prices	Annex 1 of this Metadata	English name	Annex 1 of this Metadata
LATVIA								
FS - Win	Ministry of Agriculture Fisheries Department	Marine and Inland Waters Administration (data collected through sales notes)	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS - Min	Ministry of Agriculture Fisheries Department	Marine and Inland Waters Administration (data collected through sales notes)	Monthly	Three weeks	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
C - Win	Ministry of Agriculture Fisheries Department	Central Statistical Bureau	Monthly	One month	Average price	Riga and other 11 cities	English name	Annex 1 of this Metadata
NETHERLANDS								
FS - Min	Dutch Ministry of Economic Affairs, Agriculture and Innovation	Data from the database of the Dutch Inspection Service	Monthly	Two-three weeks	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
POLAND								
FS - Win	Ministry of Maritime Economy and Inland Waterways	Sales notes/auction	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata



EUMOFA

European Market Observatory for Fisheries and Aquaculture Products

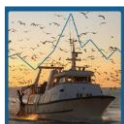
An initiative of the



Metadata 1 Data collection

**Last update:
29/03/2023**

	Organization in charge of data transmission	Origin	Frequency	Time lag	Type	Geographical specification	Nomenclature	Species monitored
FS - Min	Ministry of Maritime Economy and Inland Waterways	Sales notes/auction	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
C - Win	Central Statistical Office	Price Observation	Monthly	One month	Average prices	National aggregate	English name	Annex 1 of this Metadata
PORTUGAL								
FS - Win	Direcção Geral de Recursos Naturais, Segurança e Serviços Marítimos (DGRM)	Sales notes (from auction markets) collected by Docapesca and transmitted to the DGRM	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS - Min	Direcção Geral de Recursos Naturais, Segurança e Serviços Marítimos DGRM	Sales notes (from auction markets) collected by Docapesca and transmitted to the DGRM	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
SPAIN								
FS - Win	Ministerio de Agricultura, Alimentación y Medio Ambiente (MAGPAMA)	Price Market Observatory - (PMO)	Weekly	One week	Volumes and values	National aggregate	FAO 3-alpha code	Annex 1 of this Metadata
FS - Min	Ministerio de Agricultura, Alimentación y Medio Ambiente (MAPAMA)	Price Market Observatory - (PMO)	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state
W-Win	Ministerio de Agricultura, Alimentación y Medio Ambiente (MAPAMA)	Price Market Observatory - (PMO)	Weekly	One week	Weighted average prices	National aggregate	FAO 3-alpha code	Annex 1 of this Metadata



EUMOFA

European Market Observatory for Fisheries and Aquaculture Products

An initiative of the



European Commission

Metadata 1 Data collection

**Last update:
29/03/2023**

	Organization in charge of data transmission	Origin	Frequency	Time lag	Type	Geographical specification	Nomenclature	Species monitored
C - Win	Ministerio de Agricultura, Alimentación y Medio Ambiente (MAPAMA)	Price Market Observatory - (PMO)	Weekly	One week	Weighted average prices	National aggregate	FAO 3-alpha code	Annex 1 of this Metadata
SWEDEN								
FS-Win	Swedish Board of Agriculture	Sales notes	Weekly	One week	Volumes and values	Annex 1 of this Metadata	FAO 3-alpha code	Annex 1 of this Metadata
FS-Min	Swedish Board of Agriculture	Sales notes	Monthly	One month	Volumes and values	By place of sale	FAO 3-alpha code	All marketed species, by presentation, size and preservation state. Data refer to 2 specific places of sale in the North SEA (Smogen and Gotheborg) + the aggregate "Sweden" whose seaboard is Unspecified.
ICELAND								
IS - Min	Statistics Iceland	Custom Office	Monthly	2 months	Volumes and values by Partner Countries	At National level	HS-6 + 2 digits at National level	All species traded, by presentation, and preservation state
UNITED KINGDOM								
FS - Win	Port of Grimsby	Auction data	Weekly	One day	Weighted average prices	Grimsby only	FAO 3-alpha code	Annex 1 of this Metadata
FS - Win	Port of Shetland	Auction data	Weekly	One day	Weighted average prices	Shetland only	FAO 3-alpha code	Annex 1 of this Metadata
FS-Min	Marine Management Organisation (MMO)	Sales notes	Monthly (for shellfish only, revised data for earlier months are provided in addition to those for the latest month)	One month	Volumes and values	All landing ports (ports of landing and sales locations are generally the same).	FAO 3-alpha code	All marketed species, by presentation, size and preservation state



1.2 Methodology for collecting and uploading data

Data are sent to the EUMOFA analysts in a predefined form (.csv or .txt format). Once the files are received, the EUMOFA analysts upload them into the EUMOFA database via the **Data Collection Application (DCA)**. Alternatively, data are autonomously uploaded via the DCA by the contact persons within the national authority involved in the data transmission to EUMOFA.

DCA is a simple tool that allows the authorized users to upload data into the EUMOFA database using the web interface.

By logging in into the EUMOFA website, the analyst (or the contact persons of the sources involved in the EUMOFA data collection) only needs to access the section dedicated to the DCA and upload the dataset.

1.3 Quality checks

All data published on EUMOFA are subject to regular and in-depth quality checks, performed both at the entry stage and after the harmonisation of raw figures to EUMOFA's aggregation rationale¹.

At the entry stage, checks are performed i) on the IT side, while uploading data in the EUMOFA database and ii) by EUMOFA analysts, before the release of data on the EUMOFA website for ensuring their accuracy.

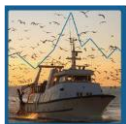
- *Quality checks performed while uploading data on the IT system:* incomplete and incorrect files/records are automatically discarded. They regard:
 - file format
 - missing information
 - inclusion of codes not available in EUMOFA codes registers
 - codes format
 - duplicated records
- *Preliminary checks performed on data accuracy before their dissemination on EUMOFA:* datasets from “high risk” providers² are subject to ad-hoc checks. These aim to detect abnormal volumes and values/prices' trends for each main commercial species / place of sale / trade flow / country of origin or destination. Trends are analysed three-year backwards.

After data are made available on EUMOFA, our analysts continue to perform checks to ensure the highest quality of data. These checks are done regularly, the exact frequency depending on the type of data, or at the request of users, providers, etc.

- *Quality checks regularly performed:* in-dept checks on correctness and accuracy of data are regularly performed on volume and value/price trends for each main commercial species / place of sale / trade flow / country of origin or destination. Trends are analysed three-year backwards. Weekly data are checked every four months; monthly data are checked at least once a year; yearly data are checked once a year.
- *Quality checks performed on request:* ad-hoc checks on correctness and accuracy of data are performed each time suspicious figures are detected.

¹ <https://www.eumofa.eu/harmonisation>

² “High risk” is defined based on the outcome of previous quality checks.



All instances with abnormal data are cross-checked with the provider in order to clarify if they actually reflect market phenomena. In case these turn out to be wrong, they are replaced with correct data. To be noted that EUMOFA only provides with data quality assurance. Once data are confirmed with the provider, they are published on EUMOFA, as any provider is the final responsible of correctness and accuracy of data transmitted.

In addition, the timeliness of all data submissions is checked at least once a month and reminders are sent to providers with an overdue delivery.

2 Private information providers

2.1 Type of data collected

Data collected from private information providers refer to:

- Weekly indicators

Data on selected species and selected market places, for first sale and consumption. For the latter, data are at national level and refer to unit values originating from datasets collected on a monthly basis split into weeks (e.g., the average price in January is the price for weeks 1-5 of the year).

- Monthly indicators

Data covering all species and market places, for consumption and trade. Furthermore, marine gasoil prices are collected on a monthly basis.

- Yearly indicators

Data for the out-of-home consumption of fish products.

The table below summarizes all specifications of data collected from private information providers:

Source of origin	Reporting country	Supply chain stage / Type of data	Frequency of collection	Specifications
Trade Data Monitor (TDM)	See here: https://www.eumofa.eu/documents/20178/538083/tdm+coverage.pdf/3cd4b35f-d6e9-be6e-6e50-3c0cdf73aaec?t=1680595867111	Import / Export	See here: https://www.eumofa.eu/documents/20178/538083/tdm+coverage.pdf/3cd4b35f-d6e9-be6e-6e50-3c0cdf73aaec?t=1680595867111	Data are collected for all Harmonised Standards (HS) codes of interest for the EUMOFA (by country of origin and destination)

**Metadata 1 Data collection****Last update:
29/03/2023**

Source of origin	Reporting country	Supply chain stage / Type of data	Frequency of collection	Specifications
Europanel	France, Germany, United Kingdom ³ , Italy, Spain, Denmark, Poland, Ireland, Hungary, Portugal, Sweden, Netherlands	Consumption	Monthly	See § 2.1.1
Euromonitor	All EU Member States.	Consumption	Yearly	See § 2.1.2
Pan European Fishing Auctions (PEFA)	Netherlands	First sale	Weekly	Data originate from sales notes (PEFA trading database). Volumes and values are collected, at FAO 3-alpha code level. Species monitored are reported in Annex 1 of this Metadata
MABUX	Belgium, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Slovenia, Spain, Sweden, United Kingdom	Marine gasoil prices	Monthly	Monthly averages of daily prices, disseminated in the Macroeconomic dashboard , for the most relevant European ports
Reiknistofa fiskmarkaða hf (RSF)	Iceland	First sale	Weekly	Data originate from auctions. Volumes, values, and prices are collected. Products monitored are reported in Annex 1 of this Metadata.

2.1.1 Specification on consumption data collected from Europanel

Data refer to households' purchase in 11⁴ EU Member States of selected fresh species, which are then aggregated for the EUMOFA purposes in "Main commercial species". Data collected are disseminated in the EUMOFA as below reported:

- ✓ Monthly volumes and values;
- ✓ Yearly volumes and values (monthly data aggregated into yearly data);
- ✓ Weekly prices (weekly data of one month refer to the same monthly average price).

Households' purchases are recorded daily by a sample of households, reporting to Europanel many information, among which species of the fish, quantity and value.

Samples details

The sample of households (i.e. "panel") is composed in order to be representative of the population and to appropriately estimate its characteristics.

³ The United Kingdom is considered part of the EU till January 2020 and related monthly data on consumption till this month are collected from Europanel. Starting from February 2020, Europanel data do not include UK.

⁴ *Ibidem*.

**Metadata 1 Data collection****Last update:
29/03/2023**

Below specifications regarding panels from which data derive.

Member State	Sample Size (Households)	Notes on geographic population coverage
Denmark	3.000	
France	20.000	
Germany	30.000	
Hungary	4.000	
Ireland	5.650	
Italy	10.000	
Netherlands	10.000	
Poland	8.000	
Portugal	4.000	Total Portugal, excluding Madeira and Azores Islands
Spain	12.000	Total Spain excluding Canary Islands
Sweden	4.000	
United Kingdom (data collected till January 2020)	30.000	All Great Britain (Northern Ireland is excluded)

Species covered

For each country surveyed (except Hungary), household consumption data cover a selection of most consumed fresh products + an additional item “other unspecified products”, aggregating all other fresh species recorded by household panels but not available at disaggregated level.

Below the complete lists of “main commercial species” covered for each country is reported:



Metadata 1 Data collection

**Last update:
29/03/2023**

Denmark	France	Germany	Hungary
Salmon	Cod	Salmon	only total
Other flounders	Salmon	Cod	
Trout	Saithe(=Coalfish)	Trout	
Mackerel	Trout	Miscellaneous shrimps	
Cod	Whiting	Pollack	
Mussel Mytilus spp	Mackerel	Mussel Mytilus spp	
Other halibuts	Hake	Other freshwater fish	
Dab	Gilt-head seabream	Herring	
other unspecified products	Monk Fish	Carp	
	Sardine	Plaice	
		Saithe	
		Alaska pollock	
	other unspecified products	other unspecified products	

Ireland	Italy	Netherlands	Poland
Salmon	Mussel Mytilus spp	Salmon	Mackerel
Cod	Gilt-head seabream	Shrimp Crangon spp.	Salmon
Mackerel	Anchovies	Mussels	Carp
Hake	Octopus	Herring	Trout
other unspecified products	Squids	Mackerel	others
	European seabass	Cod	
	Cod	Pangasius	
	Clams	Trout	
	Cuttlefish	Plaice	
	Salmon	Other cold-water shrimps	
	Swordfish	other unspecified products	
	other unspecified products		

Portugal	Sweden	Spain	United Kingdom (data collected till March 2019)
Mackerel	Salmon	Hake	Salmon
Salmon	Cod	Sardine	Cod
Hake	Herring	Salmon	Haddock
Gilt-head Seabream	European flounder	Sole	Trout
Octopus	Other salmonids	Cod	Plaice
Sardines	Pike-perch	Miscellaneous tunas	European seabass
European seabass	Other halibut	Gilt-head seabream	Tuna
Shrimp	Haddock	Mackerel	Sole
Scabbardfish	other unspecified products	Monk	Mackerel
Clams		European seabass	Pollack
other unspecified products		other unspecified products	other unspecified products

2.1.2 Specification on consumption data collected from Euromonitor

The out-of-home consumption of fishery and aquaculture products collected from Euromonitor refers to both unprocessed and processed products. Data for the out-of-home consumption of unprocessed products are collected for 5 EU Member States: France, Germany, Italy, Spain and the UK⁵. Data for the out-of-home consumption of processed products are collected for all EU Member States.

⁵ The United Kingdom is considered part of the EU till 2019. Therefore, data for the UK are collected up to 2019.



Unprocessed products

Data are provided for the category “fish and seafood”, as well as for the subcategories fish, crustaceans and molluscs and cephalopods, more detailed below:

Unprocessed fish and seafood: This is the aggregation of fish, crustaceans and molluscs and cephalopods. This category includes packaged and unpackaged unprocessed fish and seafood (fresh, chilled, frozen). Chilled and frozen fish and seafood can be cleaned, gutted, peeled/trimmed/filleted/cut to a different extent, but not cooked and no sauces, herbs or condiments can be added.

- ✓ **Crustaceans:** It includes all fresh, chilled and frozen but uncooked crustaceans (i.e. animals living in water with firm body and have a hard-outer shell) such as lobsters, shrimps and crabs, whether sold packaged or unpackaged.
- ✓ **Finfish:** It includes all fresh, chilled and frozen but uncooked freshwater and marine fish (wild caught or farmed), whether sold packaged or unpackaged, cut or whole.
- ✓ **Molluscs and cephalopods:** It includes all fresh, chilled and frozen but uncooked molluscs (shellfish such as oysters and clams) and cephalopods (such as the octopus, squid, cuttlefish), whether sold packaged or unpackaged.

Processed products

Data are provided for the category “processed fish and seafood”, as well as for the subcategories shelf-stable seafood, chilled processed seafood and frozen processed seafood, more detailed below:

Processed fish and seafood: This is the aggregation of shelf-stable, chilled and frozen fish and seafood.

- ✓ **Shelf-stable:** It includes shelf-stable fish, shellfish and seafood typically sold in cans, glass jars or aluminium/retort packaging. It is also usually preserved in oil, brine, salt water or with a sauce (e.g. sardines in tomato sauce). Pickled fish/seafood sold ambient is also included. Product types include: cod, haddock, mackerel, sardines, tuna, prawns, crab, mussels, anchovies, caviar etc.
- ✓ **Chilled:** It includes all packaged processed chilled fish/seafood products sold in the self-service shelves of retail outlets. Processed fish/seafood products sold together with a sauce and cooked prawns are included. Note: herring products sold in chiller/refrigerator cabinets, and which have a shelf-life of more than 6 months are excluded. These products, which are very common in Scandinavian countries, are included in shelf-stable seafood as they have similar shelf-life to shelf-stable fish sold ambient.
- ✓ **Frozen:** It includes all processed fish and seafood products which are further prepared with the addition of other ingredients, including breading/batter, sauce, seasoning, etc. Product types include: fish fingers, fish pies, battered or breaded fish, fish with any type of sauce, fish balls, cuttlefish balls, scampi, calamari, etc.

These data collected from Euromonitor are not uploaded in the EUMOFA database, but are disseminated only within static reports, more specifically in the yearly report “[The EU fish market](#)”.

2.2 Methodology for collecting and uploading data

- PEFA and Europanel data are sent to EUMOFA analysts in a predefined form (.csv or .txt format). Once the files are received, EUMOFA analysts upload them into the EUMOFA database via the DCA (see § 1.2).



- MABUX and TDM data are collected manually by EUMOFA analysts from the respective websites. Once they have been downloaded, a EUMOFA IT expert uploads them into the EUMOFA database. This procedure differs from the DCA as data are uploaded directly into the EUMOFA, by transferring them on the Application Server where the ETL⁶ components are installed (Talend Application Server). After each submission is performed, the ETL process runs in order to feed the EUMOFA database with the data just uploaded: the ETL process is scheduled every night or it can be launched on demand through the ETL web interface.
- RFS data are collected manually by EUMOFA analysts from the relative website. Once they have been downloaded in a predefined form (.csv or .txt format), the EUMOFA analysts upload them into the EUMOFA database via the **Data Collection Application (DCA)**. DCA is a simple tool that allows the authorized users to upload data into the EUMOFA database using the web interface. By logging in into the EUMOFA website, the analyst (or the contact persons of the sources involved in the EUMOFA data collection) only needs to access the section dedicated to the DCA and upload the dataset.

2.3 Quality checks

For PEFA, Europanel data, RSF, and TDM data, see § 1.3.

For MABUX data, to check for possible errors, a log file shows the number of loaded rows and errors on data. This task is carried out by an EUMOFA IT expert every time a new submission is performed.

3 EU institutional sources

3.1 Type of data collected

Data collected from EU institutional sources refer to:

- Weekly indicators
Prices of selected fresh products imported from extra-EU countries, for defined CN-8 and for defined countries of origin (see ANNEX 1);
- Monthly indicators
 - ✓ Volumes and values of imported and exported products (intra- and extra-EU) for all CN-8 of interest, by countries of origin/destination (as listed in Annex 4 of Data management Metadata);
 - ✓ Volumes and values of imported and exported products reported by main EU partners for all HS of interest, by countries of origin/destination.
- Yearly indicators
Volumes and values of products landed, farmed, traded and processed in the EU.

⁶ Extract, Transform and Load



Metadata 1 Data collection

**Last update:
29/03/2023**

The table below summarises all the aspects of data collected from EU institutional sources:

Source of origin	Reporting Member State/Country	Supply chain stage	Frequency of collection	Specifications	Time lag
DG TAXUD Surveillance System (TSS)	All EU MS ⁷	Import (from extra-EU countries)	Weekly	Volumes and values for selected products (see Annex 1 ⁸).	The data supply to the EUMOFA occurs every week
Eurostat - COMEXT	All EU MS ⁹ (disaggregated at MS level)	Import/Export (intra and extra-EU)	Monthly	Volumes and values of intra and extra EU trade for all CN-8 of interest for the EUMOFA (by country of origin and destination ¹⁰)	About 46 days after the end of the reference period
Eurostat - Fishery	All EU MS ¹¹ (disaggregated at MS level)	<ul style="list-style-type: none"> - Landings - Aquaculture - Catches (for the supply balance purposes) 	Yearly	<ul style="list-style-type: none"> - Landings: Volumes and values of all landed species (ERS code) by MS and by presentation - Aquaculture: volumes and values of all sold species (ERS code) by MS; - Catches: volumes of all caught species at EU level, by ERS code. These data are available within the Supply balance. 	<ul style="list-style-type: none"> - Landings: 18months after the end of the reference period - Aquaculture: 24 months after the end of the reference period - Catches: 24 months after the end of the reference period
Eurostat - PRODCOM	All EU MS ¹² (disaggregated at MS level)	Processing	Yearly		12 months after the end of the reference period

Furthermore, the EUMOFA collects and disseminates within the [Macroeconomic dashboard](#):

- Daily exchange rates of most important EU commercial partners (EUR vs. US Dollar, UK Pound, Norwegian Krone, Russian Ruble, Chinese Yuan, Swiss Franc, Japanese Yen). Source: **European Central Bank (ECB)**
- Monthly producer and consumer price EU indexes for “fish and seafood”, “meat” and “bread and cereals”. Source: **Eurostat prc_fsc_idx**
- Yearly expenditure and inflation for fish and food in the EU. Source for inflation: **Eurostat (hicp 2005 = 100) –prc_hicp_manr** - Monthly data (annual rate of change). Source for expenditure: **Eurostat** -

⁷ The United Kingdom is considered part of the EU till week 5 of 2020. Starting from week 6 of 2020, DG TAXUD weekly data on imports from extra-EU countries aggregated at EU level do not include UK.

⁸ It is important to underline that, while imports are reported as such according to flows recorded by national customs, in most cases the EU Member States are not the actual destinations. Rather, they are “points of entry” for the fisheries and aquaculture products imported to the EU, which are then traded within the internal market. This phenomenon is known as “Rotterdam effect”.

⁹ The United Kingdom is considered part of the EU till January 2020 and related monthly data on import/export till this month are collected from Eurostat – COMEXT. Starting from February 2020, Eurostat – COMEXT data do not include UK.

¹⁰ It is important to underline that, while imports are reported as such according to flows recorded by national customs, in most cases the EU Member States are not the actual destinations. Rather, they are “points of entry” for the fisheries and aquaculture products imported to the EU, which are then traded within the internal market. This phenomenon is known as “Rotterdam effect”.

¹¹ The United Kingdom is considered part of the EU till 2019 and related yearly data on landings, aquaculture and catches till this year are collected from Eurostat – Fishery. Starting from 2020, Eurostat – Fishery data do not include UK.

¹² The United Kingdom is considered part of the EU till 2019 and related yearly data on processing till this year are collected from Eurostat – PRODCOM. Starting from 2020, Eurostat – PRODCOM data do not include UK.



Purchasing power parities (PPPs), `prc_ppp_ind`, price level indices and real expenditures for ESA2010 aggregates, nominal expenditure per inhabitant.

3.2 Methodology for collecting and uploading data

- **DG - TAXUD Surveillance system (TSS)**

data sent by DG TAXUD include week 53, corresponding to the very last days of year n after week 52. These data are merged by the EUMOFA analysts to those of the 1st week of year n+1 before uploading on the EUMOFA. Data are then uploaded into the EUMOFA database via the DCA (see section 1.2);

- **Eurostat -COMEXT, PRODCOM and Fishery (landings, aquaculture and catches)**

data are collected manually by the EUMOFA analysts using the COMEXT WEB.

Once they have been downloaded, an EUMOFA IT expert uploads them into the EUMOFA database. This procedure differs from the DCA as data are uploaded **directly into the EUMOFA**, by transferring them on the Application Server where the ETL¹³ components are installed (Talend Application Server). After each submission is performed, the ETL process runs in order to feed the EUMOFA database with the data just uploaded: the ETL process is scheduled every night or it can be launched on demand through the ETL web interface.

- **European Central Bank, Eurostat (for expenditure, inflation, producer and consumer price indexes)**

Data are automatically uploaded in the EUMOFA from ECB and Eurostat databases.

3.3 Quality checks

- **DG - TAXUD Surveillance system (TSS)**

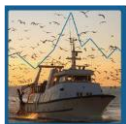
As described in detail in § 1.3, before being uploaded in the EUMOFA database, each dataset is submitted to (i) the monitoring of upload results and (ii) the consequent data discard analysis. Once identified the errors related to one specific file or suspicious figures, the analyst contacts the person that sent it and they manage the issue, evaluating whether the mistake/s come from the source of origin or they just depend from typos during the making up of the file. The file will be submitted again, until no errors will be detected by the system.

- **Eurostat –COMEXT, PRODCOM and Fishery**

A first check on EUROSTAT data is carried out through the discards analysis, checking possible discrepancies between data uploaded and EUMOFA's harmonization rules (e.g. if a new species is recorded in EUROSTAT – landings which is not included in EUMOFA's species registers, EUMOFA's registers are updated).

A second check is aimed at ensuring the completeness of data. More in detail, the existence of volumes and values for all species/codes is checked and, in case of gaps, alternative sources of data are used for filling them. See the following link for more details <http://www.eumofa.eu/en/web/eumofa/sources-of-data>.

¹³ Extract, Transform, Load



4 Web pages

4.1 Type of data collected

The collection data from web pages is envisaged only for Norway.

Data collected refer to:

- Weekly indicators

First-sale volumes and values of selected fresh products, for defined sizes and presentations (see ANNEX 1);

- Monthly trends

First-sale and trade volumes and values for all available products.

The table below summarises all the aspects of data collected from web pages:

Source of origin	Supply chain stage	Frequency of collection	Specifications	Time lag
Sunmøre og Romsdal Fiskesalslag (SUROFI)	First Sale	Weekly	Volumes and values for selected products (see Annex 1). Data are in Norwegian	2 days after the end of the reference period
Sildelaget	First sale	Weekly	Prices for selected products (see Annex 1)	3 days after the end of the reference period
NOS Clearing [Aquaculture]	First sale (Aquaculture)	Weekly	Volumes and values of salmon	3 days after the end of the reference period
Fiskeridirektoratet	First sale	Monthly	Volumes and values of all products sold in Norway (data refer to the aggregate "Norway" whose seaboard is Unspecified). Volumes are expressed in live weight equivalent (lwe) and prices are expressed in euros/ kg of live weight.	2 months after the end of reference period
StatBank Norway	Import/Export	Monthly	Volumes and values of all HS codes of interest for the EUMOFA	1 month after the end of the reference period

4.2 Methodology for collecting and uploading data

The collection of Norway data consists in the manual downloading, manual management and manual uploading of the datasets into the EUMOFA database by the EUMOFA analyst via the DCA (see § 1.2).



EUMOFA

European Market Observatory for
Fisheries and Aquaculture Products

An initiative of the



European
Commission

Metadata 1 Data collection

**Last update:
29/03/2023**

4.3 Quality checks

(see § 1.3)

List of Annexes

Annex 1 – Selected products at National/EU level