

SDG indicator metadata

(Harmonized metadata template - format version 1.1)

0. Indicator information (SDG_INDICATOR_INFO)

0.a. Goal (SDG_GOAL)

Goal 12: Ensure sustainable consumption and production patterns

0.b. Target (SDG_TARGET)

Target 12.3: By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses

0.c. Indicator (SDG_INDICATOR)

Indicator 12.3.1: (a) Food loss index and (b) food waste index

0.d. Series (SDG_SERIES_DESCR)

AG_FLS_INDEX - Global food loss index [12.3.1]

AG_FLS_PCT - Food loss percentage [12.3.1]

0.e. Metadata update (META_LAST_UPDATE)

2025-11-04

0.f. Related indicators (SDG_RELATED_INDICATORS)

SDG Sub-Indicator 12.3.1b: Food waste index

0.g. International organisations(s) responsible for global monitoring

(SDG_CUSTODIAN_AGENCIES)

The Food and Agriculture Organization of the United Nations (FAO)

1. Data reporter (CONTACT)

1.a. Organisation (CONTACT_ORGANISATION)

The Food and Agriculture Organization of the United Nations (FAO)

2. Definition, concepts, and classifications (IND_DEF_CON_CLASS)

2.a. Definition and concepts (STAT_CONC_DEF)

Definitions:

The Food Loss Index - Index of the changes in food loss over time covers five food groups along the supply chain. The indicator is computed as a ratio of Food Loss Percentages in the current year and the Food Loss Percentages in the base year according to a standard fixed-base index formula. This indicator complements SDG 12.3.1(b) on Food Waste (which is under the custodianship of UNEP). Both indicators look to divide the food value chain and measure the efficiency of the food system”.

Definition of food loss for SDG monitoring:

Food losses - are all the crop and livestock human-edible commodity quantities that, directly or indirectly, completely exit the post-harvest/slaughter production/supply chain and do not re-enter in any other utilization (such as animal feed, industrial use, etc.), up to, and excluding, the retail level. Losses that occur during storage, transportation, and processing, also of imported quantities, are therefore all included. Losses include the commodity as a whole with its non-edible parts.

“Completely exit the production/supply chain” means one of the following end destinations: landfill, controlled combustion, sewer, litter/discards/ refuse, co/anaerobic digestion, compost/aerobic digestion or land application.

Concepts:

Food – Food - Any substance—whether processed, semi-processed, or raw—that is intended for human consumption. “Food” includes drink, and any substance that has been used in the manufacture, preparation, or treatment of food. “Food” also includes material that has spoiled and is therefore no longer fit for human consumption. It does not include cosmetics, tobacco, or substances used only as drugs.

Food loss and waste (FLW) – is the decrease in quantity or quality of food.

Quantitative food loss and waste – is the decrease in mass of food.

Pre-harvest constitutes the time frame between maturity and harvesting.

Harvest/slaughter/catch refers to the act of separating the food material from the site of immediate growth or production.

Food Loss Index scope and boundaries

- The scope of the Food Loss Index starts on the production site with postharvest/slaughter/catch operations up to but not including the retail level, in line with the Food Balance Sheets conceptual framework.
- The index covers five food groups and 10 key commodities set by countries.
- Harvest losses can be included in the index at the country level only.
- Pre-harvest losses are out of scope.
- Sub-Indicator 12.3.1(b) Food Waste Index covers food waste at the retail and consumption level.

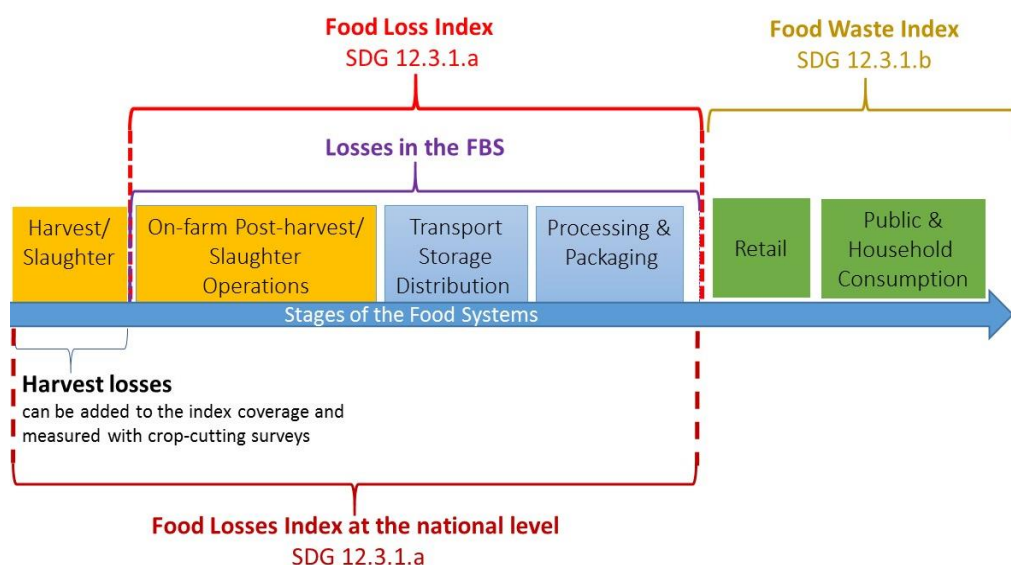


Figure 1. Boundaries of the food supply chain in the operational definition of the GFLI

2.b. Unit of measure (UNIT_MEASURE)

The Food Loss Index measures the change in losses in comparison to a base 100, it therefore no unit of measure.

Food Loss percentages are expressed in Percent (%), food loss quantities are expressed in kgs and tonnes.

2.c. Classifications (CLASS_SYSTEM)

Central Product Classification (CPC) 2.1 expanded grouped in 5 commodity groups, namely:

1. Cereals & Pulses
2. Fruits & Vegetables
3. Roots & Tubers and Oil-Bearing crops
4. Animal Products
5. Fish and Fish Products

For more details on the corresponding codes and constituent group composition, please see Annex 1.

3. Data source type and data collection method (SRC_TYPE_COLL_METHOD)

3.a. Data sources (SOURCE_TYPE)

- 1) Loss estimates from the Supply Utilization Accounts/Food Balance Sheets that are officially reported to FAO through the annual Agricultural Production Questionnaires.
- 2) Survey based loss percentages by commodity along the supply chain.
 - Agricultural surveys, value chain surveys, rapid appraisal methods, administrative data, business surveys.
- 3) Modelled estimates for non-reporting countries.

- The FAO developed a food loss estimation model that uses available official data and data from scientific literature to estimate losses at the regional, food group and global level.

3.b. Data collection method (COLL_METHOD)

The methodology and guidelines consider a range of data collection methods to reduce the cost of data collection. The emphasis is put on the critical loss points along the value chain.

The guidelines recommend representative sample surveys to ensure statistically representative, accurate, and comparable estimates especially when the sector is characterized by a large number of small actors (for example, smallholders). Countries that already have a farm survey can add a post-harvest loss (PHL) module for the sake of cost-efficiency.

Food loss data collection can be interview based (subjective approach) or measurement based (objective approach), the earlier method is less costly but leads to under-estimation.

3.c. Data collection calendar (FREQ_COLL)

The guidelines recommend carrying out loss surveys every three to five years, with lighter surveys in between based on declarations, as loss ratios tend to be stable, from one year to the next under normal conditions. The recommendation is also to add a loss module to existing surveys. The data collection calendar will therefore follow the calendar of the main survey.

To establish a baseline, it is recommended to carry out two or three consecutive comprehensive PHL surveys to establish a first solid set of preliminary estimates. This is because estimates limited to a single year have a higher risk of being biased because of the occurrence of specific events (e.g., that are weather-related), as compared to estimates based on two- or three-year averages.

Loss estimates for the compiling Supply Utilization Accounts should be carried out every year.

3.d. Data release calendar (REL_CAL_POLICY)

Loss data collection occurs through FAO's annual Agriculture Production Questionnaire in May every year.

Separate data collection exercises took place in 2019 and 2025 to gather all the previously available information.

Loss data is released in FAOSTAT in December every year.

3.e. Data providers (DATA_SOURCE)

National Statistical Offices
Statistical Units of the Ministry of Agriculture

3.f. Data compilers (COMPILING_ORG)

Statistics Division, Methodological Innovation Team, and the Crop Livestock Food Balance Sheet team of the Food and Agricultural Organization of the United Nations (FAO).

3.g. Institutional mandate (INST_MANDATE)

Article I of the FAO constitution requires that the Organization collect, analyses, interpret and disseminate information relating to nutrition, food, and agriculture

<http://www.fao.org/3/K8024E/K8024E.pdf>

4. Other methodological considerations (OTHER_METHOD)

4.a. Rationale (RATIONALE)

The 2030 Sustainable Development Agenda has emphasized the importance of sustainable production and consumption systems as efficient food systems, on the supply side and the consumption side, contribute to food security and sustainability of natural resource since agriculture is a major user of land and water.

The food loss and food waste index look at the entire supply chain and the trend in structural losses. The Food Loss Index monitors progress on the supply side of food chains, as it measures if the share of agriculture production that does not reach the retail stage in 2030 has increased or decreased with respect to the base period and by how much. The numerator of the indicator indicates the level of losses and informs on the magnitude of the problem.

A greater efficiency of the food supply chain also has implications for all producers whether looking at efficiency in large-scale producers for export markets or in small-scale production units relevant for poverty and food insecurity reduction goals.

4.b. Comment and limitations (REC_USE_LIM)

Food losses are an extremely complex phenomenon to measure because they are multi-dimensional and data collection is costly.

A major limitation is data availability. The reported data accounts for a small percentage of the data needs: only 23 countries out of 185 reported on losses in 2016 for one commodity or more. The number of reporting countries was 42 in 2018 and 12 in 2019. As for the data only 7% of loss factors in the Supply Utilization Accounts/Food Balance Sheets (SUA/FBS) database is officially reported, all others are being estimated.

The index scope was reduced for international comparability purposes to exclude harvest losses, which are critical at the production stage. Moreover, the index covers only two commodities in each food group, because requesting regular loss data for a larger number of products would be a difficult and unsustainable exercise for most countries.

The index monitors quantitative losses. Qualitative and economic losses that are also very relevant but not measurable in a consistent manner are out of the scope of the indicator.

This indicator is particularly challenging because it requires data along the whole supply chain. The most appropriate data sources would be an ensemble of surveys, however, most countries lack the capacity and resources to carry out this exercise. A suite of statistical and modelling tools combined where possible with administrative records will have to be used.

4.c. Method of computation (DATA_COMP)

Computation Method:

SDG 12.3 for a single country, called Food Loss Index (FLI), is a fixed-based index as follows:

$$FLI_{it} = \frac{FLP_{it}}{FLP_{i0}} = \frac{\sum_j l_{ijt} \times q_{ij0} \times p_{j0}}{\sum_j l_{ij0} \times q_{ij0} \times p_{j0}} \times 100$$

Where:

- FLP_{it} is the average food loss percentage of the country in the current year,
- FLP_{i0} is the average food loss percentage of the country in the base year,
- i = country,
- j = commodity,
- t = year, 0 is the base year
- l_{ijt} is the loss percentage (estimated or observed) of commodity j in country i in year t ,
- q_{ij0} are the production quantities of commodity j in country i in the base period,
- p_{j0} is the average international price of commodity j (at international \$) in the base period.

For the FLI and FLP, the weights are the value of production at international dollar prices. The weight is fixed in the reference year.

Commodity Coverage

The index covers five food groups and two commodities within each group:

1. Cereals & Pulses
2. Fruits & Vegetables
3. Roots & Tubers and Oil-Bearing crops
4. Animals Products
5. Fish and Fish Products.

Cross-country comparisons are possible at the group level, while the key commodities within groups can differ across countries. This is to ensure that the index is relevant to the countries while providing some degree of international comparability.

The default selection criterion for the commodities is to rank them by their value of production within each country and commodity group. The default process is to:

- Compile value of production for every commodity
- Sort the commodities by group and rank them
- Select the top 2 in each group

The default selection process is based on value of the commodity in international dollar prices in the base period. At national level, countries can use their own set of values, quantities, or prices, or use different policy-based criteria, as long as the main headings are covered.

Compiling a commodity food loss percentage: aggregating loss percentages along the supply chain

The FLI covers losses at the national level from production to the retail stage. Using the index notation, the percentage losses of each commodity are the l_{ijt} where:

l_{ijt} is the loss percentage (estimated or observed) of commodity j in country i year t

When loss estimates are available separately for the various stages of the value chain, they need to be aggregated into an overall percentage with the following simplified and standardized supply chain:



It is expected that the losses at each stage of the value chain are nationally representative.

The overall percentage of production that does not reach the retail stage (l_{ijt}) can be obtained with the simplified process below, illustrated in the table:

1. Set a Starting Amount of product, 1000 tons in the example
2. Compile the Amount Lost at each stage by multiplying the Average Losses (%) of that stage to the reference quantity. The reference quantity is 1000 at the Production stage; in the other stages the reference quantity is the Amount Remaining from the previous stage.
3. Compile the Amount Remaining at each stage by subtracting the Amount Lost from the Amount Remaining of the previous stage.
4. Compile the percentage of supply still in the market at the end of the chain as the ratio of the last Amount Remaining and the Starting Amount.
5. Compile the loss percentage of the commodity l_{ijt} as the difference between the 100 and the % of supply still in the market.

Table 1: Food Loss Percentage Compilation Example (starting from an arbitrary figure of 1000 and using fictional loss percentages)

Starting Amount - Agriculture production	1000				
	Production	Transport	Storage	Wholesale	Processing
Average Losses (%)	7.3	1.5	7.7	0	3.5
Amount Lost	73	13.905	70.308	0	29.497
Amount Remaining	927	913.095	842.787	842.787	813.289
% of supply still in the market	81.3% = (813.289/1000) *100				
l_{ijt} =	18.7% = 100 – 81.3%				

% lost from farm to (but not including) retail
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4.d. Validation (DATA_VALIDATION)

Data sources for agricultural production and on-farm losses are mainly national agricultural surveys that are conducted by the Ministry of Agricultural/Livestock and/or the National Statistical Office. The surveys are usually annual, and in the absence of direct measurements, data are interview-based. Agricultural censuses, which FAO recommends conducting every ten years, may be the only available source of loss estimates in a number of countries that do not carry out annual surveys. Off-farm loss data along the value chain may be obtained through specialized surveys (supplemented by research) through the national agri-food industry system.

The data are provided in the Agriculture Production Questionnaire, in the Utilization sections used to compile Supply Utilization Accounts.

Utilizations of interest here are those quantities destined for, among others, animal feed, for industrial uses (e.g., biofuel production), for national/enterprise/farm stocks, for seed (sowing for the successive agricultural cycle) – to be able to infer on quality and economic losses, that are not covered by the definition and data collection, and to assess the overall data consistency in the validation phase.

These datasets (production, trade and utilizations including losses), once cross-checked and validated, form the basis for the compilation of the Food Balance Sheets (FBS). The FBS are an accounting framework whereby supply (production + imports + stock withdrawals) should equal utilization (export + food processing + feed + seed + industrial use + losses, etc.). It should be noted that, within the FBS framework, post-harvest/slaughter losses (up to the retail level) are considered as utilization, and thus a component in the balancing of the FBS. The FBS framework provides a snapshot of the agricultural supply situation at the national level, and allows for a cross-referenced structure whereby data, official or estimated/imputed, may be further analyzed and validated (e.g., animal numbers may result as being under-reported/estimated).

Detail on FBS methodology: <http://www.fao.org/economic/ess/fbs/ess-fbs02/en/>.

The FBS Handbook shown here should not be confused with the recently completed FBS Guidelines. The Handbook is of a more technical nature and explains the methodology followed by FAO in compiling country FBS. The Guidelines on the other hand, while based on the Handbook, provide countries with a more revised and practical guidance and recommendations for compilation at the national level.

Some FBS background text are also available on FAOSTAT: <http://www.fao.org/faostat/en/#data/FBS>.

4.e. Adjustments (ADJUSTMENT)

There are no adjustments to the international classifications except for items in the Fish group, because the CPC is not used for FAO's fish production statistics.

Fish and fish products are classified as per FAO's Food Balance Sheet International Classification for Standards (ICS) categories as follows: Cephalopods (2766), Crustaceans (2765), Demersal Fish (2762), Freshwater Fish (2761), Marine Fish, Other (2764), Molluscs, Other (2767), Pelagic Fish (2763), Fish, Seafood (2960), Aquatic Animals, Others (2769), Aquatic Plants (2775), Meat, Aquatic Mammals (2768), Aquatic Products, Other (2961).

The FLI food groups are further aggregations of CPC groups. For more details on the corresponding codes and constituent group composition, please see Annex 1.

4.f. Treatment of missing values (i) at country level and (ii) at regional level

(IMPUTATION)

- **At country level**

In the absence of food loss data at the country-commodity level, FAO developed a loss imputation model to estimate losses of all countries and commodities and compile the Food Loss Index for SDG regions and commodity groups.

The model builds on loss data provided by the countries to the FAO within the annual Agriculture Production Questionnaires, loss factors available in the scientific literature published in the [FLW database](#) and from case studies, and a set of 200+ explanatory variables.

The model is a fixed effect model that selects the explanatory variables with a random forest algorithm. Where there is no information at all for a country-commodity combination, the model is applied to a cluster of commodities and the countries' estimated loss percentages will be equal to the clusters at the global level.

- **At regional and global levels**

When loss data is insufficient to estimate even one country-commodity combination, the countries' estimated loss percentages will be equal to the clusters at the global level for all the ten commodities in that country basket.

4.g. Regional aggregations (REG_AGG)

At regional and global level, the Global Food Loss Index (GFLI) is computed as:

$$GFLI_t = \frac{\sum_{i=1}^G FLI_{it} \times w_i}{\sum_{i=1}^G w_i} \times 100$$

by aggregating country indices using weights equal to the total value of agricultural production of each country (in the region or the world) in the base year.

4.h. Methods and guidance available to countries for the compilation of the data at the national level (DOC_METHOD)

The main source of loss data at the national level are Official reports of loss estimates in the commodity balance sheets, Supply Utilization Accounts or Food Balance Sheets.

Data sources for agricultural production and on-farm losses are mainly national agricultural surveys that are conducted by the Ministry of Agricultural/Livestock and/or the National Statistical Office. The surveys are usually annual, and in the absence of direct measurements, results are based on interview-based data on lost quantities of crop, animals, and animal products. Agricultural censuses, which FAO recommends conducting every ten years, may be the only available source of loss estimates in a number of countries that do not carry out annual surveys. Off-farm loss data along the value chain may be obtained through specialized surveys (supplemented by research) through the national agri-food industry system.

The Methodology for monitoring SDG Target 12.3: <http://www.fao.org/3/CA2640EN/ca2640en.pdf> has been published as a guide for countries in calculating the index along with a method to aggregate data from subnational stages of the supply chain to the national level. Subnational disaggregation will identify where losses occur and the scope of impact, set the focus on where to make investments and aid in targeting intervention strategies and policies to decrease food losses along the supply chain.

The Guidelines for the measurement of harvest and post-harvest losses of grain produced by the Global Strategy are available at <https://www.fao.org/publications/card/en/c/CB1562EN/>.

Additional material is available at <http://www.fao.org/sustainable-development-goals/indicators/1231/en/>

Other important documents that can guide countries in the measurement and compilation of the FLI are:

- Report on pilot testing the FLI: <http://www.fao.org/3/ca6691en/ca6691en.pdf>
- Field testing food loss data collection and compiling the Food Loss Index in Colombia, Costa Rica, Mexico and Uruguay: <https://doi.org/10.4060/cd5638en>; also available in Spanish: <https://doi.org/10.4060/cd5638es>
- Technical note on Post Harvest Losses: https://www.50x2030.org/sites/default/files/resources/documents/2021-09/TechNoteOnPHL_final_rev.pdf

E-learning course on SDG Sub-Indicator 12.3.1(a): <https://elearning.fao.org/course/view.php?id=605>

4.i. Quality management (QUALITY_MGMNT)

FAO Statistics Division processes production, trade and food balance sheet data in an integrated Statistical Working System following the Generic Statistical Business Process Model.

Data in each domain are managed and processed with a set of modules and R scripts for data editing, outlier detection, imputation of missing data, compilation of derived indicators, aggregation, validation, and compilation of quality indicators.

FAO Statistics Division engages with the countries during processing and validation.

4.j Quality assurance (QUALITY_ASSURE)

For FAO, a sound statistical basis is essential in monitoring progress towards national and international development goals and targets. To ensure quality standards are maintained, the organization developed a Quality Assurance Framework for the FAO Statistics and Data system (FAO SDQAF) consisting of a

quality framework and a mechanism to ensure the compliance of FAO statistics to the quality framework itself. The SDQAF is available at

<https://openknowledge.fao.org/server/api/core/bitstreams/467e9cc0-0b77-4741-99d5-7f044bac7f13/content>.

With respect to officially reported loss data submitted by countries through the annual Agriculture Production Questionnaire, loss data is validated during the whole Supply Utilization Account/Food Balance Sheet processing and validation that entails a purely statistical approach based on outlier detection tests and validation routines and a consultative approach where countries are requested for additional information or clarifications. The same approach applies to the data received in 2019 through the ad hoc questionnaire on “Food Losses from Production to the Retail stage”.

More generally FAO complies with “Guidelines on global data flows” approved by UNSC 2018 for the national data submitted to FAO for the SDGs Indicators Database. Data on food losses is extremely scarce (7% of reported records in FAOSTAT in the period 1990-2016) to the extent that country data has to be estimated with an econometric model, the estimates are validated with countries via an email asking for an authorization to publish them.

The available basic data still does not allow for the publication of the Food Loss Index at the country level but only at the regional level by commodity groups.

4.k Quality assessment (QUALITY_ASSMNT)

Datasets (production, trade, and utilizations), once cross-checked and validated, form the basis for the compilation of the Food Balance Sheets (FBS). The FBS are an accounting framework whereby supply (production + imports + stock withdrawals) should equal utilization (export + food processing + feed + seed + industrial use, etc.). It should be noted that, within the FBS framework, post-harvest/slaughter losses (up to the retail level) are considered as utilization, and thus a component in the balancing of the FBS. The FBS framework provides a snapshot of the agricultural supply situation at the national level, and allows for a cross-referenced structure whereby data, official or estimated/imputed, may be further analyzed and validated (e.g., animal numbers may result as being under-reported/estimated).

5. Data availability and disaggregation (COVERAGE)

Data availability:

Modelled global estimates are available for the five commodity groups.

Disaggregation:

In the Global SDG database, Indicator 12.3.1.a estimates (when available) will be disaggregated by the five commodity groups. At the country level, the indicator should ideally be further disaggregated by product and stage of the supply chain. Countries will also likely gain the most value from the disaggregated Food Loss Percentage at the sub-national level by geographic area or agro-ecological zone, points of the value chain (farm, transport, markets, processors) and economic sectors (small-holders or traditional sector versus large and commercial farms/firms).

6. Comparability / deviation from international standards (COMPARABILITY)

Not yet applicable

7. References and Documentation (OTHER_DOC)

FAO, Methodology for Monitoring SDG Target 12.3: <http://www.fao.org/3/CA2640EN/ca2640en.pdf>

FAO, Definitional framework of food loss 2014: http://www.ipcinfo.org/fileadmin/user_upload/save-food/PDF/FLW_Definition_and_Scope_2014.pdf

FAO, “Guidelines on the measurement of harvest and post-harvest losses”, <https://www.fao.org/publications/card/en/c/CB1562EN/> 2018.

FAO, “FAOSTAT Commodity Definitions and Correspondences,” n.d. <http://www.fao.org/economic/ess/ess-standards/commodity/comm-chapters/en/>

Taglioni, C., Rosero Moncayo, J. & Fabi, C. 2023. *Food loss estimation: SDG 12.3.1a data and modelling approach*. FAO Statistics Working Paper Series, No. 23-39. Rome, FAO. <https://doi.org/10.4060/cc9173en>

Annex 1: Codes for data under indicator 12.3.1a

September 2025

Indicator: 12.3.1 (a) Food loss index and (b) food waste index

This annex refers to codes needed to report data on “food loss index” that can be disaggregated by product:

1. Cereals & Pulses
2. Fruits & Vegetables
3. Roots & Tubers and Oil-Bearing crops
4. Animal Products
5. Fish and Fish Products

The following table presents the CPC codes that are covered under each group:

FLI group	Codes
1. Cereals & Pulses	CPC2_1_AGGS3001
2. Fruits & Vegetables	CPC2_1_AGGS3002
3. Roots & Tubers and Oil-bearing Crops	CPC2_1_AGGS3003
4. Animals Products	CPC2_1_AGGS3004
5. Fish and Fish Products	CPC2_1_AGGS3005

FLI group	Codes	Group composition – CPC codes (N.B.: no CPC codes are assigned to fish and fish products because the CPC is not detailed enough to cover all fisheries products)
1. Cereals & Pulses	CPC2_1_AGGS3001	<p>Cereals: Wheat (0111), Maize (Corn) (0112), Rice (0113), Sorghum (0114), Barley (0115), Rye (0116), Millet (0118), Oats (0117), Triticale (01191), Buckwheat (01192), Fonio (01193), Quinoa (01194), Canary Seed (01195), Mixed Grain (01199.02), Other Cereals N.E.C. (01199.90), Bulgur (23140.02), Rice, Milled (Husked) (23161.01), Rice, Milled (23161.02), Rice, Broken (23161.03), Communion Wafers, Empty Cachets Of A Kind Suitable For Pharmaceutical Use, Sealing Wafers, Rice Paper And Similar Products. (23490.01), Uncooked Pasta, Not Stuffed Or Otherwise Prepared (23710).</p> <p>Pulses: Beans, Dry (01701), Broad Beans And Horse Beans, Dry (01702), Chick Peas, Dry (01703), Lentils, Dry (01704), Peas, Dry (01705), Cow Peas,</p>

FLI group	Codes	Group composition – CPC codes (N.B.: no CPC codes are assigned to fish and fish products because the CPC is not detailed enough to cover all fisheries products)
		Dry (01706), Pigeon Peas, Dry (01707), Bambara Beans, Dry (01708), Vetches (01709.01), Lupins (01709.02), Other Pulses N.E.C. (01709.90).
2. Fruits & Vegetables	CPC2_1_AGGS3002	<p>Fruits: Avocados (01311), Bananas (01312), Plantains And Others (01313), Dates (01314), Figs (01315), Mangoes, Guavas, Mangosteens (01316), Papayas (01317), Pineapples (01318), Other Tropical Fruits, N.E.C. (01319), Pomelos And Grapefruits (01321), Lemons And Limes (01322), Oranges (01323), Tangerines, Mandarins, Clementines (01324), Other Citrus Fruit, N.E.C. (01329), Grapes (01330), Apples (01341), Pears (01342.01), Quinces (01342.02), Apricots (01343), Sour Cherries (01344.01), Cherries (01344.02), Peaches And Nectarines (01345), Plums And Sloes (01346), Other Pome Fruits (01349.10), Other Stone Fruits (01349.20), Currants (01351.01), Gooseberries (01351.02), Kiwi Fruit (01352), Raspberries (01353.01), Strawberries (01354), Blueberries (01355.01), Cranberries (01355.02), Other Berries And Fruits Of The Genus Vaccinium (01355.9), Persimmons (01359.01), Cashewapple (01359.02), Other Fruits N.E.C. (01359.90), Raisins (21411), Plums, Dried (21412), Apricots, Dried (21419.01), Figs, Dried (21419.02), Other Fruit N.E.C., Dried (21419.99), Other Tropical Fruit, Dried (21419.91), Pineapples, Otherwise Prepared Or Preserved (21491), Flour Of Fruits (23170.04), Fruit, Nuts, Peel, Sugar Preserved (23670.02), Homogenized Cooked Fruit, Prepared (23991.03), Must Of Grape (24212.01), Fruit Prepared N.E.C. (F0623).</p> <p>Vegetables: Asparagus (01211), Cabbages (01212), Cauliflowers And Broccoli (01213), Lettuce And Chicory (01214), Spinach (01215), Artichokes (01216), Cassava Leaves (01219.01), Watermelons (01221), Cantaloupes And Other Melons (01229), Chillies And Peppers, Green (Capsicum Spp. And Pimenta Spp.) (01231), Cucumbers And Gherkins (1232), Eggplants</p>

FLI group	Codes	Group composition – CPC codes (N.B.: no CPC codes are assigned to fish and fish products because the CPC is not detailed enough to cover all fisheries products)
		(Aubergines) (01233), Tomatoes (01234), Pumpkins, Squash And Gourds (1235), Okra (01239.01), Other Beans, Green (01241.90), String Beans (01241.01), Peas, Green (01242), Broad Beans And Horse Beans, Green (01243), Carrots And Turnips (01251), Green Garlic (01252), Onions And Shallots, Green (01253.01), Leeks And Other Alliaceous Vegetables (01254), Onions And Shallots, Dry (Excluding Dehydrated) (01253.02), Mushrooms And Truffles (01270), Green Corn (Maize) (01290.01), Other Vegetables, Fresh N.E.C. (01290.90), Locust Beans (Carobs) (01356), Chicory Roots (01691).
3. Roots & Tubers and Oil-bearing Crops	CPC2_1_AGGS3003	<p>Roots & Tubers: Potatoes (01510), Cassava, Fresh (01520.01), Cassava, Dried (01520.02), Sweet Potatoes (01530), Yams (01540), Taro (01550), Yautia (01591).</p> <p>Oil-bearing Crops: Soya Beans (0141), Groundnuts, Excluding Shelled (0142), Cottonseed (0143), Linseed (01441), Mustard Seed (01442), Rapeseed Or Colza Seed (01443), Sesame Seed (01444), Sunflower Seed (01445), Safflower Seed (01446), Castor Oil Seeds (01447), Poppy Seed (01448), Melonseed (01449.01), Hempseed (01449.02), Olives (01450), Other Oil Seeds, N.E.C. (01449.9), Coconuts, In Shell (01460), Oil Palm Fruit (01491.01), Palm Kernels (01491.02), Copra (01492), Karite Nuts (Sheanuts) (01499.01), Tung Nuts (01499.02), Jojoba Seeds (01499.03), Tallowtree Seeds (01499.04), Kapok Fruit (01499.05), Kapokseed In Shell (01499.06), Kapokseed, Shelled (01499.07), Groundnuts, Shelled (21421), Coconuts, Desiccated (21429.07), Prepared Groundnuts (21495.01).</p>
4. Animals Products	CPC2_1_AGGS3004	<p>Animal Fats: Fat Of Pigs (21511.01), Pig, Butcher Fat (21511.02), Fat Of Poultry (21511.03), Cattle Fat, Unrendered (21512), Cattle, Butcher Fat (21512.01), Buffalo Fat, Unrendered (21513), Sheep Fat, Unrendered (21514), Fat Of Camels</p>

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		<p>(21519.02), Pig Fat, Rendered (21521), Fat Of Other Camelids (21519.03), Poultry Fat, Rendered (21522), Tallow (21523), Lard Stearine And Lard Oil (21529.02), (21529.03), Degras (21932.01), Wool Grease And Lanolin (F0994), Fat Preparations N.E.C. (F1243).</p> <p>Eggs: Hen Eggs In Shell, Fresh (0231), Eggs From Other Birds In Shell, Fresh, N.E.C. (0232), Egg Albumin (23993.01), Eggs, Liquid (23993.02), Eggs, Dried (23993.03).</p> <p>Meat: Snails, Fresh, Chilled, Frozen, Dried, Salted Or In Brine, Except Sea Snails (02920), Meat Of Cattle With The Bone, Fresh Or Chilled (21111.01), Meat Of Cattle Boneless, Fresh Or Chilled (21111.02), Meat Of Buffalo, Fresh Or Chilled (21112), Meat Of Pig With The Bone, 51 Fresh Or Chilled (21113.01), Meat Of Pig Boneless, Fresh Or Chilled (21113.02), Meat Of Sheep, Fresh Or Chilled (21115), Meat Of Rabbits And Hares, Fresh Or Chilled (21114), Meat Of Goat, Fresh Or Chilled (21116), Meat Of Camels, Fresh Or Chilled (21117.01), Meat Of Other Domestic Camelids, Fresh Or Chilled (21117.02), Horse Meat, Fresh Or Chilled (21118.01), Meat Of Asses, Fresh Or Chilled (21118.02), Meat Of Mules, Fresh Or Chilled (21118.03), Meat Of Other Domestic Rodents, Fresh Or Chilled (21119.01), Meat Of Chickens, Fresh Or Chilled (21121), Meat Of Ducks, Fresh Or Chilled (21122), Meat Of Geese, Fresh Or Chilled (21123), Meat Of Turkeys, Fresh Or Chilled (21124), Edible Offal Of Cattle, Fresh, Chilled Or Frozen (21151), Edible Offal Of Buffalo, Fresh, Chilled Or Frozen (21152), Edible Offal Of Pigs, Fresh, Chilled Or Frozen (21153), Edible Offal Of Sheep, Fresh, Chilled Or Frozen (21155), Edible Offal Of Goat, Fresh, Chilled Or Frozen (21156), Edible Offals Of Horses And Other Equines, Fresh, Chilled Or Frozen (21159.01), Edible Offals Of Camels And Other Camelids, Fresh, Chilled Or</p>

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		<p>Frozen (21159.02), Edible Offals And Liver Of Chickens And Guinea Fowl, Fresh, Chilled Or Frozen (21160.01), Edible Offals And Liver Of Geese, Fresh, Chilled Or Frozen (21160.02), Edible Offals And Liver Of Ducks, Fresh, Chilled Or Frozen (21160.03), Edible Offals And Liver Of Turkey, Fresh, Chilled Or Frozen (21160.04), Meat Of Pigeons And Other Birds N.E.C., Fresh, Chilled Or Frozen (21170.01), Game Meat, Fresh, Chilled Or Frozen (21170.02), Other Meat N.E.C. (Excluding Mammals), Fresh, Chilled Or Frozen (21170.92), Offals N.E.C. (Excluding Mammals), Fresh, Chilled Or Frozen (21170.93), Pig Meat, Cuts, Salted, Dried Or Smoked (Bacon And Ham) (21181), Other Meat And Edible Meat Offal, Salted, In Brine, Dried Or Smoked; Edible Flours And Meals Of Meat Or Meat Offal (21183).</p> <p>Milk and Dairy: Raw Milk Of Cattle (02211), Raw Milk Of Buffalo (02212), Raw Milk Of Sheep (02291), Raw Milk Of Goats (02292), Raw Milk Of Camel (02293), Skim Milk Of Cows (22110.02), Skim Milk Of Buffalo (22110.04), Skim Sheep Milk (22110.05), Skim Milk Of Goat (22110.06), Dairy Products N.E.C. (22290), Cream, Fresh (22120), Butter Of Cow Milk (22241.01), Ghee From Cow Milk (22241.02), Butter Of Buffalo Milk (22242.01), Ghee, From Buffalo Milk (22242.02), Butter And Ghee Of Sheep Milk (22249.01), Butter Of Goat Milk (22249.02).</p>
5. Fish and Fish Products	CPC2_1_AGGS3005	<p>Cephalopods, Crustaceans, Demersal Fish, Freshwater Fish, Marine Fish, Other, Molluscs, Other, Pelagic Fish, Fish, Seafood, Aquatic Animals, Others, Aquatic Plants, Meat, Aquatic Mammals, Aquatic Products, Other</p> <p>N.B.: no CPC codes are assigned to fish and fish products because the CPC is not detailed enough to cover all fisheries products</p>