

**FISH, OTHERWISE PREPARED OR PRESERVED; CAVIAR  
AND CAVIAR SUBSTITUTES**  
PRODUCT GROUP: UN CPC 2124

2019-09  
VERSION 1.01

VALID UNTIL: 2023-06-24



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# 1 INTRODUCTION

This document constitutes Product Category Rules (PCR) developed in the framework of the International EPD® System: a programme for type III environmental declarations<sup>1</sup> according to ISO 14025:2006. Environmental Product Declarations (EPD) are voluntary documents for a company or organisation to present transparent information about the life cycle environmental impact for their goods or services.

The rules for the overall administration and operation of the programme are the General Programme Instructions, publicly available at [www.environdec.com](http://www.environdec.com). A PCR complements the General Programme Instructions and the standards by providing specific rules, requirements and guidelines for developing an EPD for one or more specific product categories (see Figure 1). A PCR should enable different practitioners using the PCR to generate consistent results when assessing products of the same product category.

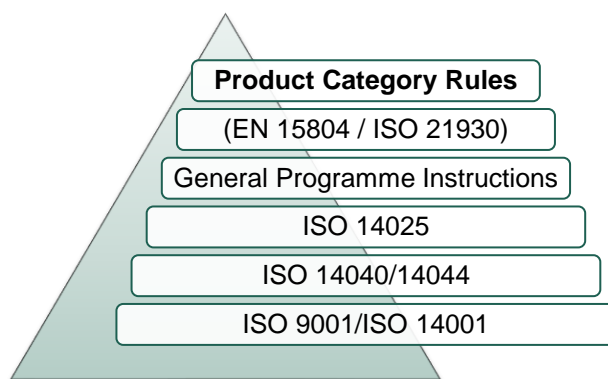


Figure 1 Illustration PCR in relation to the hierarchy of standards and other documents.

Within the present PCR, the following terminology is adopted:

- The term “shall” is used to indicate what is obligatory.
- The term “should” is used to indicate a recommendation, rather than a requirement.
- The term “may” or “can” is used to indicate an option that is permissible

For the definition of terms used in the document, see the normative standards.

A PCR is valid for a pre-determined period of time to ensure that it is updated at regular intervals. The latest version of the PCR is available via [www.environdec.com](http://www.environdec.com). Stakeholder feedback on PCRs is very much encouraged. Any comments on this PCR document may be given via the PCR Forum at [www.environdec.com](http://www.environdec.com) or sent directly to the PCR moderator during its development or during the period of validity.


Any references to this document should include the PCR registration number, name and version.

The programme operator maintains the copyright of the document to ensure that it is possible to publish, update when necessary, and available to all organisations to develop and register EPDs. Stakeholders participating in PCR development should be acknowledged in the final document and on the website.

<sup>1</sup> Type III environmental declarations in the International EPD® System are referred to as EPD, Environmental Product Declarations.

## 2 GENERAL INFORMATION

### 2.1 ADMINISTRATIVE INFORMATION

Name:	Fish, otherwise prepared or preserved; caviar and caviar substitutes
Registration number and version:	2019:09, version 1.01
Programme:	 The International EPD® System
Programme operator:	EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden.  Website: <a href="http://www.environdec.com">www.environdec.com</a> E-mail: <a href="mailto:info@environdec.com">info@environdec.com</a>
PCR moderator:	Maurizio Fieschi, Studio Fieschi & soci, <a href="mailto:fieschi@studiofieschi.it">fieschi@studiofieschi.it</a>
PCR Committee:	Bolton Alimentari S.p.A., Studio Fieschi & soci
Date of publication and last revision:	2019-08-18 (Version 1.01)
Valid until:	2023-06-24
Schedule for renewal:	<p>A PCR is valid for a pre-determined period of time to ensure that it is updated at regular intervals. When the PCR is about to expire the PCR moderator shall initiate a discussion with the Secretariat how to proceed with updating the document and renewing its validity.</p> <p>A PCR document may be revised during its period of validity provided significant and well-justified proposals for changes or amendments are presented. See <a href="http://www.environdec.com">www.environdec.com</a> for up-to-date information and the latest version.</p>
Standards conformance:	<ul style="list-style-type: none"><li>General Programme Instructions of the International EPD® System, version 3.0, based on ISO 14025 and ISO 14040/14044</li><li>PCR Basic Module, CPC Division 21 Meat, fish, fruit, vegetables, oil and fats, version 3.01, dated 2018-11-06</li></ul>
PCR language(s):	This PCR was developed and is available in English. In case of translated versions the English version takes precedence in case of any discrepancies.

### 2.2 SCOPE OF PCR

#### 2.2.1 PRODUCT CATEGORY DEFINITION AND DESCRIPTION

This document provides Product Category Rules (PCR) for the assessment of the environmental performance of Fish, otherwise prepared or preserved; caviar and caviar substitutes and the declaration of this performance by an EPD. The product category corresponds to UN CPC 2124.

This class includes the following sub-classes:

- CPC 21241 - Prepared dishes and meals based on fish, molluscs and crustaceans - *This subclass comprises: ready-made meals and dishes with fish, molluscs or crustaceans as the main ingredient*

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- CPC 21242 - Fish, otherwise prepared or preserved - This subclass comprises
  - fish, including roes and livers, prepared or preserved other than by freezing, salting, smoking, drying or brining, such as:
    - canned or in other airtight containers
    - in oil, vinegar or tomato sauce
    - marinated
    - pasteurized, sterilized
    - pickled
    - breaded or with butter
  - fish balls, cakes, sticks, sausages, or puddings
  - fish paste, whether or not fermented
  - fish pâté
  - imitation crab sticks
  - fish rillettes
- CPC 21243 - Caviar and caviar substitutes

Seafood is intended either from seawater or freshwater, wild caught or from aquaculture. This PCR only covers products intended for human consumption.

This PCR does **not** cover the following, related UN CPC codes:

- 2121 - Fish, frozen (excluding fish fillets and fish meat)
- 2122 - Fish fillets and meat; fish livers and roes
- 2123 - Fish, dried, whether or not salted, or in brine; smoked incl. fillets; edible fish meal
- 2125 - Crustaceans, frozen
- 2126 - Molluscs and other aquatic invertebrates, frozen, dried, salted or in brine
- 2127 - Crustaceans, otherwise prepared or preserved
- 2128 - Molluscs and other aquatic invertebrates, otherwise prepared or preserved
- 2129 - Flours, meals and pellets, inedible, and other products n.e.c., of fish or of crustaceans, molluscs or other aquatic invertebrates; dead fish, crustaceans, molluscs or other aquatic invertebrates unfit for human consumption

The product group and UN CPC code shall be specified in the EPD.

## 2.2.2 GEOGRAPHICAL REGION

This PCR is applicable to be used globally.

## 2.2.3 EPD VALIDITY

An EPD based on this PCR shall be valid from its registration and publication at [www.environdec.com](http://www.environdec.com) and for a five year period starting from the date of the verification report ("approval date"), or until the EPD has been de-registered from the International EPD® System.

An EPD shall be updated and re-verified during its validity if changes in technology or other circumstances have led to:

- an increase of 10% or more of any of the indicators listed in Section 5.4.5.1,
- errors in the declared information, or
- significant changes to the declared product information, content declaration, or additional environmental information.

If such changes have occurred, but the EPD is not updated, the EPD owner shall contact the Secretariat to de-register the EPD.

### 3 PCR REVIEW AND BACKGROUND INFORMATION

This PCR was developed in accordance with the process described in the General Programme Instructions of the International EPD® System, including PCR review and open consultation.

#### 3.1 PCR REVIEW

##### 3.1.1 VERSION 1.0

PCR review panel:	The Technical Committee of the International EPD® System. A full list of members available on <a href="http://www.environdec.com">www.environdec.com</a> . The review panel may be contacted via <a href="mailto:info@environdec.com">info@environdec.com</a> .  Members of the Technical Committee were requested to state any potential conflict of interest with the PCR moderator or PCR committee, and were excused from the review.
Chair of the PCR review:	Filippo Sessa
Review dates:	2019-05-20 until 2019-06-20

#### 3.2 OPEN CONSULTATION

##### 3.2.1 VERSION 1.0

This PCR was available for open consultation from 2019-03-08 until 2019-05-08, during which any stakeholder was able to provide comments by posting on the PCR forum on [www.environdec.com](http://www.environdec.com) or by contacting the PCR moderator.

Stakeholders were invited via e-mail or other means to take part in the open consultation, and were encouraged to forward the invitation to other relevant stakeholders.

#### 3.3 EXISTING PCRS FOR THE PRODUCT CATEGORY

As part of the development of this PCR, existing PCRs were considered in order to avoid overlaps in scope. The existence of such documents was checked in the public PCR listings of the following programmes based on ISO 14025 or similar:

- International EPD® System. [www.environdec.com](http://www.environdec.com).
- JEMAI EcoLeaf. [www.ecoleaf-jemai.jp](http://www.ecoleaf-jemai.jp)

No existing PCRs with overlapping scope were identified.

A PCR on the same product category "Fish, otherwise prepared or preserved. Caviar and caviar substitutes" was published in 2014 and expired on the 9<sup>th</sup> of June 2017 (ref.: 2014:11, version 1.0).

The development of a PEFCR for marine fish for human consumption was initiated in 2014 in the context of the EU Environmental footprint pilot phase, but the project was discontinued before its finalization.

The documents above mentioned have been considered for the development of this PCR, as stated in chapter 3.5.

There is an ongoing effort to develop a Carbon Footprint PCR (CF-PCR) for finfish within ISO standardisation: ISO/CD 22948 Carbon footprint for seafood -- Product category rules (CFP-PCR) for finfish <https://www.iso.org/standard/74228.html>. This document was not yet finalized during the preparation of this PCR but may be considered as a reference for future updates to this PCR.

#### 3.4 REASONING FOR DEVELOPMENT OF PCR

This PCR was developed in order to enable publication of Environmental Product Declarations (EPD) for this product category based on ISO 14025, ISO 14040/14044 and other relevant standards to be used in different applications and target audiences.



### 3.5 UNDERLYING STUDIES

The methodological choices made during the development of this PCR (functional unit/declared unit, system boundary, allocation methods, impact categories, data quality rules, etc.) in this PCR were primarily based on the following underlying studies:

- Bolton Food, LCA Riomare canned tuna 80g
- Bolton Food, LCA Riomare canned salmon 150g
- Davies R.W.D. et al, *Defining and estimating global marine fisheries bycatch*, Marine Policy, 2009
- European Commission, *Product Environmental Footprint Category Rules for Marine fish for human consumption*, draft version n.01 for public stakeholder consultation, v. 09/02/2016
- European Commission, *Product Environmental Footprint Category Rules Guidance*, v. 6.3, May 2018
- Justel-Rubio A., Restrepo V., *Computing a global bycatch Rate of non-target species in tropical tuna purse seine fisheries*, ISSF Technical Report 2017-01, International Seafood Sustainability Foundation, Washington, D.C., USA
- Parker R., *Review of life cycle assessment research on products derived from fisheries and aquaculture: a report for Seafish as part of the collective action to address greenhouse gas emissions in seafood*, Sea Fish Industry Authority, 2012
- PCR 2010:01 CPC 2371 Uncooked pasta, not stuffed or otherwise prepared
- PCR 2010:07 CPC 21537 Virgin oil and its fractions
- PCR 2011:15 CPC 0231 Hen eggs in shell, fresh
- PCR 2012:06 CPC 234 Bakery products
- PCR 2013:16 CPC 022 Raw milk
- PCR 2013:17 CPC 221 Processed liquid milk and cream
- PCR 2014:11 CPC 2124 Fish, otherwise prepared or preserved. Caviar and caviar substitutes (Expired)
- PCR 2016:02 CPC 0293 Edible products of animal origin n.e.c.
- PCR 2016:05 CPC 2117 Preserves and preparations of meat
- PCR 2019:01 CPC 013 Fruits and nuts

## 4 GOAL AND SCOPE, LIFE CYCLE INVENTORY AND LIFE CYCLE IMPACT ASSESSMENT

The goal of this section is to provide specific rules, requirements and guidelines for developing an EPD for the product category as defined in Section 2.2.1.

### 4.1 FUNCTIONAL UNIT/DECLARED UNIT

The declared unit shall be defined as 1 kg of edible product, including its packaging, i.e. 1 kg of edible product plus packaging weight. The reference flow in the Life Cycle Assessment shall be defined at the customer gate, at the shelf or the retailer or at the market place.

Should covering liquids or preservatives be considered edible, their weight is intended to contribute to the declared unit (e.g. oil, tomato sauce, etc.). Otherwise, only the seafood drained weight shall be considered (e.g. in case of tuna in brine).

As an additional declared unit, the selling unit may be used.

The declared unit shall be stated in the EPD. The environmental impact shall be given per declared unit. A description of the function of the product should be included in the EPD®, if relevant.

## 4.2 REFERENCE SERVICE LIFE (RSL)

Not applicable for this product category.

## 4.3 SYSTEM BOUNDARY

The International EPD® System uses an approach where all attributional processes from “cradle to grave” should be included using the principle of “limited loss of information at the final product”. This is especially important in the case of business-to-consumer communication.

The scope of this PCR and EPDs based on it is cradle-to-grave.

### 4.3.1 LIFE CYCLE STAGES

For the purpose of different data quality rules and for the presentation of results, the life cycle of products is divided into three different life cycle stages:

- Upstream processes (from cradle-to-gate);
- Core processes (from gate-to-gate)
- Downstream processes (from gate-to-grave)

In the EPD, the environmental performance associated with each of the three life-cycle stages above shall be reported separately. The processes included in the scope of the PCR and belonging to each life cycle stage are described in Sections 4.3.1.1–4.3.1.3.

#### 4.3.1.1 Upstream processes

The following attributional processes are part of the product system and classified as upstream processes:

- Fishing
- On-board fish selection and refrigeration or freezing
- Aquaculture, including feed production
- Production of semiproducts used in the core process
- Production of other ingredients as spices, olive oil, additives used in the product
- Production of auxiliary products used such as detergents for cleaning, etc.
- Impacts due to the production of electricity and fuels used in the upstream module
- Manufacturing of primary and secondary packaging
- Management of waste generated in upstream processes

Upstream processes not listed may also be included. All elementary flows at resource extraction shall be included, except for the flows that fall under the general cut-off rule in Section 4.5.

#### 4.3.1.2 Core processes

The following attributional processes are part of the product system and classified as core processes:

- Semiproducts manufacturing (e.g. slaughtering, fish cleaning, cooking, freezing)
- Production of auxiliary products (e.g. detergents for cleaning, maintenance materials)
- External transportation to the core processes, including seafood, other ingredients, packaging and auxiliary materials
- Other transportation within the core process
- Preparation of the final product (e.g. milling of seafood, filling and packaging of the final product)
- Maintenance (e.g. of the machines)



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- Waste treatment of waste generated during manufacturing;
- Impacts due to the production of electricity and fuels used in the core module

Manufacturing processes not listed may also be included. The production of the raw materials used for production of all product parts shall be included. A minimum of 99% of the total weight of the declared product including packaging shall be included.

The technical system shall not include:

- Manufacturing of production equipment, buildings and other capital goods.
- Business travel of personnel.
- Travel to and from work by personnel.
- Research and development activities.

#### 4.3.1.3. Downstream processes

The following attributional processes are part of the product system and classified as downstream processes:

- Transportation from preparation to an average retailer/distribution platform
- Customer or consumer use of the product. Consumer use of the product should be considered only if relevant (e.g. cooking food otherwise inedible, cold storage)
- End-of-life processes of any wasted part of the product
- End-of-life processes of packaging waste

Transportation from the retailer/distribution platform to the final consumer may be included.

## 4.3.2 OTHER BOUNDARY SETTING

#### 4.3.2.1. Boundary towards nature

Boundaries to nature are defined as flows of material and energy resources from nature into the system. Emissions to air, water and soil cross the system boundary when they are emitted from or leaving the product system.

#### 4.3.2.2. Boundaries in the life cycle

See Section 4.3.1. The EPD may present the information divided into additional sub-divisions.

#### 4.3.2.3. Boundaries towards other technical systems

See Section 4.6.2.

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## 4.4 SYSTEM DIAGRAM

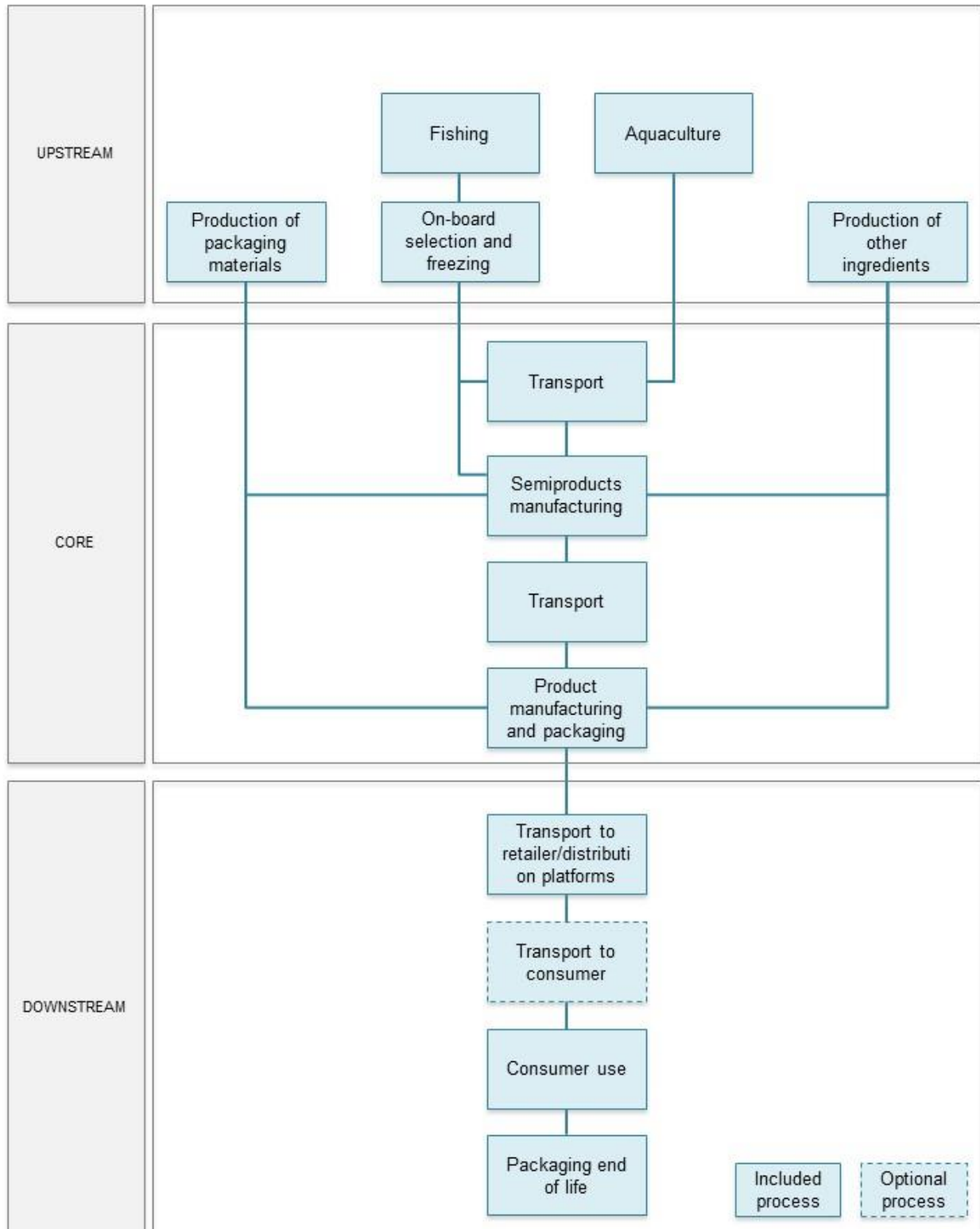


Figure 2 System diagram illustrating the processes that are included in the product system, divided into upstream, core and downstream processes.

## 4.5 CUT-OFF RULES

Data for elementary flows to and from the product system contributing to a minimum of 99% of the declared environmental impacts shall be included (not including processes that are explicitly outside the system boundary as described in Section 4.3).

The check for cut-off rules in a satisfactory way is through the combination of expert judgment based on experience of similar product systems and a sensitivity analysis in which it is possible to understand how the un-investigated input or output could affect the final results.

## 4.6 ALLOCATION RULES

### 4.6.1 CO-PRODUCT ALLOCATION

The following step-wise procedure shall be applied for multifunctional products and multiprocesses:

1. Allocation shall be avoided, if possible, by dividing the unit process into two or more sub-processes and collecting the environmental data related to these sub-processes.
2. If allocation cannot be avoided, the inputs and outputs of the system shall be partitioned between its different products or functions in a way that reflects the underlying physical relationships between them; i.e. they should reflect the way in which the inputs and outputs are changed by quantitative changes in the products or functions delivered by the system.
3. Where physical relationships alone cannot be established or used as the basis for allocation (or they are too time consuming), Table 1 shall be consulted for key processes. For processes not listed the most suitable allocation procedure shall be used and documented.

PROCESS	MAIN PRODUCT AND CO-PRODUCTS	ALLOCATION INSTRUCTION
Core: Preparation, all steps of preparation between live fish and consumption	Main Product: fish, caviar, caviar substitutes Co-products: by-products not intended for human consumption (e.g.: ingredients for pet food or feed for other food producing animals)	Economic allocation based on market prices of the different fractions. If data are not available, impacts shall be fully allocated to the main product.

Table 1 Allocation procedure for key processes in the product system, if steps 1 and 2 are not possible.

### 4.6.2 REUSE, RECYCLING, AND RECOVERY

In the framework of the International EPD® System, the methodological choices for allocation for reuse, recycling and recovery have been set according to the polluter pays principle (PPP). This means that the generator of the waste shall carry the full environmental impact until the point in the product's life cycle at which the waste is transported to a scrapyard or the gate of a waste processing plant (collection site). The subsequent user of the waste shall carry the environmental impact from the processing and refinement of the waste but not the environmental impact caused in the "earlier" life cycles. See General Programme Instruction for further information and examples.

## 4.7 DATA QUALITY REQUIREMENTS

An LCA calculation requires two different kinds of information:

- data related to the **environmental aspects** of the considered system (such materials or energy flows that enter the production system). These data usually come from the company that is performing the LCA calculation.
- data related to the **life cycle impacts** of the material or energy flows that enter the production system. These data usually come from databases.

Data on environmental aspects shall be as specific as possible and shall be representative of the studied process.

Data on the life cycle of materials or energy inputs are classified into three categories – specific data, selected generic data, and proxy data, defined as follows:

- **specific data** (also referred to as "primary data" or "site-specific data") – data gathered from the actual manufacturing plant where product-specific processes are carried out, and data from other parts of the life cycle traced to the specific product system under

study, e.g. materials or electricity provided by a contracted supplier that is able to provide data for the actual delivered services, transportation that takes place based on actual fuel consumption, and related emissions, etc.,

- **generic data** (sometimes referred to as “secondary data”), divided into:
  - **selected generic data** – data from commonly available data sources (e.g. commercial databases and free databases) that fulfil prescribed data quality characteristics for precision, completeness, and,
  - **proxy data** – data from commonly available data sources (e.g. commercial databases and free databases) that do not fulfil all of the data quality characteristics of “selected generic data”.

As a general rule, specific data shall always be used, if available, after performing a data quality assessment. It is mandatory to use specific data for the core processes as defined above. For the upstream processes, downstream processes, and infrastructure, generic data may also be used if specific data are not available.

Any data used should preferably represent average values for a specific reference year. However, the way these data are generated could vary, e.g. over time, and in such cases they should have the form of a representative annual average value for a specified reference period. Such deviations should be declared.

#### 4.7.1 RULES FOR USING GENERIC DATA

The attributional LCA approach in the International EPD® System forms the basic prerequisites for selecting generic data. To allow the classification of generic data as “selected generic data”, they shall fulfil selected prescribed characteristics for precision, completeness, and representativeness (temporal, geographical, and technological), such as:

- the reference year must be as current as possible and preferably assessed to be representative for at least the validity period of the EPD,
- the cut-off criteria to be met on the level of the modelled product system are the qualitative coverage of at least 99% of energy, mass, and overall environmental relevance of the flows,
- completeness in which the inventory data set should, in principle, cover all elementary flows that contribute to a relevant degree of the impact categories, and
- the representativeness of the resulting inventory in the given temporal, technological, and geographical reference should, as a general principle, be better than  $\pm 5\%$  of the environmental impact of fully representative data.

Section 4.8 provides a list of recommended databases/data sets to be used for generic data.

If selected generic data that meets the requirements of the International EPD® System are not available as the necessary input data, proxy data may be used and documented. The environmental impacts associated with proxy data shall not exceed 10% of the overall environmental impact from the product system.

The EPD may include a data quality declaration to demonstrate the share of specific data, selected generic data and proxy data for the environmental impacts.

### 4.8 RECOMMENDED DATABASES FOR GENERIC DATA

Table 2 lists recommended databases for generic data. Please note that this listing does not imply that other data that fulfil the data quality requirements may not be used and that data quality assessment shall also be performed for the data sets in the recommended database by an LCA practitioner.

PROCESS	GEOGRAPHICAL SCOPE	RECOMMENDED DATASET	DATABASE
Agricultural product	Worldwide	-	Agrifootprint - <a href="http://www.agri-footprint.com">www.agri-footprint.com</a>
Steel, Iron ore and Pig Iron	Worldwide	-	Steel Worldsteel <a href="http://www.worldsteel.org">www.worldsteel.org</a>
Primary copper Copper products	Worldwide  Europe	-	ICA (International Copper Association) <a href="http://www.copperinfo.com">www.copperinfo.com</a> ECI (European Copper Institute – Life Cycle Centre) <a href="http://www.copper-lifecycle.org">www.copper-lifecycle.org</a>

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Electricity	Worldwide	-	Data combined with IEA (International Energy Agency) statistics on electricity generation mixes for nations, regions, etc. <a href="http://www.iea.org/statistics/">www.iea.org/statistics/</a> Electricity residual mixes for European countries can be sourced from the Association of Issuing Bodies (AIB): <a href="http://www.aib-net.org">www.aib-net.org</a>
Aluminium	Worldwide Europe	-	World Aluminium Association <a href="http://www.world-aluminium.org/">www.world-aluminium.org/</a> EAA (European Aluminium Association) <a href="http://www.aluminium.org">www.aluminium.org</a>
Plastics	Europe	-	Plastics Europe <a href="http://www.plasticseurope.org">www.plasticseurope.org</a>
Chemicals	Europe	-	European Commission Environment <a href="http://ec.europa.eu/environment/chemicals/reach/reach_en.htm">http://ec.europa.eu/environment/chemicals/reach/reach_en.htm</a>

Table 2 Recommended databases for generic data.

## 4.9 IMPACT CATEGORIES AND IMPACT ASSESSMENT

The EPD shall declare the default impact categories as described in the General Programme Instructions. The characterisation models and factors to use for the default impact categories are available on [www.environdec.com](http://www.environdec.com) and shall be updated on a regular basis based on the latest developments in LCA methodology and ensuring the market stability of EPDs. The source and version of the characterisation models and the factors used shall be reported in the EPD. Alternative regional life cycle impact assessment methods and characterisation factors are allowed to be calculated and displayed in addition to the default list. If so, the EPD shall contain an explanation of the difference between the different sets of indicators, as they may appear to the reader to display duplicate information.

## 4.10 OTHER CALCULATION RULES AND SCENARIOS

### 4.10.1 UPSTREAM PROCESSES

The following requirements apply to the upstream processes:

- Data referring to processes and activities upstream in a supply chain over which an organisation has direct management control shall be specific and collected on site.
- Data referring to contractors that supply main parts, packaging, or main auxiliaries should be requested from the contractor as specific data, as well as infrastructure, where relevant.
- The transport of main parts and components along the supply chain to a distribution point (e.g. a stockroom or warehouse) where the final delivery to the manufacturer can take place based on the actual transportation mode, distance from the supplier, and vehicle load. Energy consumption in case of cold transport shall be accounted.
- In case specific data is lacking, selected generic data may be used. If this is also lacking, proxy data may be used.
- For the electricity used in the upstream processes, electricity production impacts shall be accounted for in this priority when specific data are used in the upstream processes:
  1. Specific electricity mix as generated, or purchased, from an electricity supplier, demonstrated by a Guarantee of Origin (or similar, where reliability, traceability, and the avoidance of double-counting are ensured) as provided by the electricity supplier. If no specific mix is purchased, the residual electricity mix from the electricity supplier shall be used.<sup>2</sup>
  2. National residual electricity mix or residual electricity mix on the market
  3. National electricity production mix or electricity mix on the market.

The mix of electricity used in upstream processes shall be documented in the EPD, where relevant.
- Packaging: specific data shall be used for the consumer packaging production if it is under the direct control of the organization or if the environmental impact related to the consumer packaging production is more than 10% of the total product environmental

<sup>2</sup> The residual electricity mix is the mix when all contract-specific electricity that has been sold to other customers has been subtracted from the total production mix of the electricity supplier.

indicators. In other cases, generic data may be used. When consumer packaging shows the organization's logo, the LCA report should report the exerted/non exerted direct control on the production of consumer packaging by the organization.

#### 4.10.2 CORE PROCESSES

The following requirements apply to the core processes:

- Specific data shall be used for the assembly of the product and for the manufacture of main parts as well as for on-site generation of steam, heat, electricity, etc., where relevant.
- For the electricity used in the core processes, electricity production impacts shall be accounted for in this priority:
  1. Specific electricity mix as generated, or purchased, from an electricity supplier, demonstrated by a Guarantee of Origin (or similar, where reliability, traceability, and the avoidance of double-counting are ensured) as provided by the electricity supplier. If no specific mix is purchased, the residual electricity mix from the electricity supplier shall be used.<sup>3</sup>
  2. National residual electricity mix or residual electricity mix on the market
  3. National electricity production mix or electricity mix on the market.

The mix of electricity used in the core processes shall be documented in the EPD, where relevant.

- Transport from the final delivery point of raw materials, chemicals, main parts, and components (see above regarding upstream processes) to the manufacturing plant/place of service provision should be based on the actual transportation mode, distance from the supplier, and vehicle load, if available.
- Waste treatment processes of manufacturing waste should be based on specific data, if available. Energy consumption in case of cold transport shall be accounted.

In case the semi-products manufacturing stage (e.g. fish cleaning, fillet preparation, freezing etc.) involves several suppliers in different worldwide locations, it is allowed the use of specific data from a restricted number of suppliers, proven that these are sufficiently representative of the whole suppliers' portfolio. Data can be then upscaled to the whole portfolio and complemented where necessary by other generic data. The procedure and related assumptions shall be documented in the EPD.

#### 4.10.3 DOWNSTREAM PROCESSES

The following requirements apply to the downstream processes:

- Data for the use stage are usually based on scenarios, but specific data should be used when available and relevant.
- Data on the pollutant emissions from the use stage should be based on documented tests, verified studies in conjunction with average or typical product use, or recommendations concerning suitable product use. Whenever applicable, test methods shall be internationally recognised.
- The use of electricity in the region/country where the product is used (as specified in the geographical scope of the EPD) shall be accounted for in the following priority:
  1. National residual electricity mix or residual mix on the market
  2. National electricity production mix or electricity mix on the market

The mix of electricity used in the downstream processes shall be documented in the EPD, where relevant.

- The transport of the product to the customer shall be described in the reference PCR, which should reflect the actual situation to the best extent possible. The following priority should be used:
  1. Actual transportation distances and types.
  2. Calculated as the average distance of a product of that product type transported by different means of transport modes.
  3. Calculated as a fixed long transport, such as 1 000 km transport by lorry or 10 000 km by airplane, according to product type.

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<sup>3</sup> The residual electricity mix is the mix when all contract-specific electricity that has been sold to other customers has been subtracted from the total production mix of the electricity supplier.

- Transportation from the shop or retail to the consumer home may be considered. If so, the following data shall be used (Source: European Commission, *Product Environmental Footprint Category Rules Guidance*, v. 6.3, May 2018):
  - 62%: 5 km, by passenger car.
  - 5%: 5 km round trip, by van.
  - 33%: no impact modelled.
- If the product needs a cold storage for preserving its shelf life, the environmental impacts related to this process shall be estimated. If no primary data are available, the energy consumption due to cold storage shall be estimated using the approach described in detail in Appendix A. Any deviations from this approach is possible but it shall be declared in the LCA (with description of the main hypotheses) and in the EPD.
- Scenarios for the end-of-life stage shall be technically and economically practicable and compliant with current regulations in the relevant geographical region based on the geographical scope of the EPD. Key assumptions regarding the end-of-life stage scenario shall be documented.

## 5 CONTENT AND FORMAT OF EPD

EPDs based on this PCR shall contain the information described in this section. Flexibility is allowed in the formatting and layout provided that the EPD still includes the prescribed information. A generic template for EPDs is available via [www.environdec.com](http://www.environdec.com)

As a general rule the EPD content:

- shall be in line with the requirements and guidelines in ISO 14020 (Environmental labels and declarations - General principles),
- shall be verifiable, accurate, relevant and not misleading, and
- shall not include rating, judgements or direct comparison with other products.

An EPD should be made with a reasonable number of pages for the intended audience and use.

### 5.1 EPD LANGUAGES

EPDs should be published in English, but may also be published in additional languages. If the EPD is not available in English, it shall contain an executive summary in English including the main content of the EPD. This summary is part of the EPD and thus subject to the same verification procedure.

### 5.2 UNITS AND QUANTITIES

The following requirements apply for units and quantities:

- The International System of Units (SI units) shall be used, e.g., kilograms (kg), Joules (J) and metres (m). Reasonable multiples of SI units may be decided in the PCR to improve readability, e.g., grams (g) or megajoules (MJ). The following exceptions apply:
  - Resources used for energy input (primary energy) should be expressed as kilowatt-hours (kWh) or megajoules (MJ), including renewable energy sources, e.g., hydropower, wind power and geothermal power.
  - Water use should be expressed in cubic metres (m<sup>3</sup>)
  - Temperature should be expressed in degrees Celsius (°C),
  - Time should be expressed in the units most practical, e.g., seconds, minutes, hours, days or years.
- Three significant figures<sup>4</sup> should be adopted for all results. The number of significant digits shall be appropriate and consistent.

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<sup>4</sup> Significant figures are those digits that carry meaning contributing to its precision. For example with two significant digits, the result of 123.45 shall be displayed as 120, and 0.12345 shall be displayed as 0.12. In scientific notation, these two examples would be displayed as  $1.2 \times 10^2$  and  $1.2 \times 10^{-2}$ .



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- The thousand separator and decimal mark in the EPD shall follow one of the following styles (a number with six significant figures shown for illustration):
    - SI style (French version): 1 234,56
    - SI style (English version): 1 234.56
- In case of potential confusion or intended use of the EPD in markets where different symbols are used, the EPD shall state what symbols are used for thousand separator and decimal mark.
- Dates and times presented in the EPD should follow the format in ISO 8601. For years, the prescribed format is YYYY-MM-DD, e.g., 2017-03-26 for March 26<sup>th</sup>, 2017.
  - The result tables shall:
    - Only contain values or the letters “INA” (Indicator Not Assessed). It is not possible to specify INA for mandatory indicators. INA shall only be used for voluntary parameters that are not quantified because no data is available.<sup>5</sup>
    - Contain no blank cells, hyphens, less than or greater than signs or letters (except “INA”).
    - Use the value 0 only for parameters that have been calculated to be zero.
    - Footnotes shall be used to explain any limitation to the result value.

## 5.3 USE OF IMAGES IN EPD

Images used in the EPD, especially pictures featured on the cover page, may in themselves be interpreted as an environmental claim. Images such as trees, mountains, wildlife that are not related to the declared product should therefore be used with caution and in compliance with national legislation and best available practices in the markets in which the EPD is intended to be used.

## 5.4 EPD REPORTING FORMAT

The reporting format of the EPD shall include the following sections:

- Cover page (see Section 5.4.1)
- Programme information (see Section 5.4.2)
- Product information (see Section 5.4.3)
- Content declaration (see Section 5.4.4)
- Environmental performance (see Section 5.4.5)
- Additional environmental information (see Section 5.4.6)
- References (see Section 5.4.9)

The following information shall be included, when applicable:

- Information related to Sector EPDs (see Section 5.4.7)
- Differences versus previous versions (see Section 5.4.8)
- Executive summary in English (see Section 5.4.10)

### 5.4.1 COVER PAGE

The cover page shall include:

- Product name and image,

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<sup>5</sup> This requirement does not intend to give guidance on what indicators are mandated (“shall”) or voluntary.

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- Name and logotype of EPD owner,
- The text “Environmental Product Declaration” and/or “EPD”
- *Programme: The International EPD® System, [www.environdec.com](http://www.environdec.com).*
- *Programme operator: EPD International AB*
- Logotype of the International EPD® System,
- EPD registration number as issued by the programme operator<sup>6</sup>,
- *Date of publication (issue): 20XX-YY-ZZ,*
- *Date of revision: 20XX-YY-ZZ, when applicable,*
- *Date of validity: 20XX-YY-ZZ*
- A note that “An EPD should provide current information, and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at [www.environdec.com](http://www.environdec.com).”
- A statement of conformity with ISO 14025,

## 5.4.2 PROGRAMME INFORMATION

The programme information section of the EPD shall include:

- Address of programme operator: *EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden, E-mail: [info@environdec.com](mailto:info@environdec.com)*
- The following mandatory statement from ISO 14025: “EPDs within the same product category but from different programmes may not be comparable.”
- A statement that the EPD owner has the sole ownership, liability and responsibility of the EPD
- Information about verification<sup>7</sup> and reference PCR in a table with the following format and contents:

Product category rules (PCR): <name, registration number, version and UN CPC code(s)>
PCR review was conducted by: <name and organisation of the review chair, and information on how to contact the chair through the programme operator>
Independent third-party verification of the declaration and data, according to ISO 14025:2006:  <input type="checkbox"/> EPD process certification <input type="checkbox"/> EPD verification
Third party verifier: <name, organisation and signature of the third party verifier>  <i>In case of certification bodies:</i> Accredited by: <name of the accreditation body and accreditation number, if applicable>.  <i>In case of individual verifiers:</i> Approved by: The International EPD® System Technical Committee, supported by the Secretariat
Procedure for follow-up of data during EPD validity involves third party verifier:  <input type="checkbox"/> Yes <input type="checkbox"/> No

<sup>6</sup> The EPD shall not include a “registration number” if such is provided by the certification body, as this may be confused with the registration number issued by the programme operator.

<sup>7</sup> If the EPD has been verified by an approved individual verifier who has received contractual assistance from a certification body that is not accredited, this certification body shall not be included in this table.

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### 5.4.3 PRODUCT INFORMATION

The product information section of the EPD shall include:

- Address and contact information to EPD owner,
- Description of the organisation. This may include information on products- or management system-related certifications (e.g. ISO 14024 Type I environmental labels, ISO 9001- and 14001-certificates and EMAS-registrations) and other relevant work the organisation wants to communicate (e.g. SA 8000, supply-chain management and social responsibility),
- Name and location of production site,
- Product identification by name, and an unambiguous identification of the product by standards, concessions or other means,
- Identification of the product according to the UN CPC scheme system. Other relevant codes for product classification may also be included, e.g.
  - Common Procurement Vocabulary (CPV),
  - United Nations Standard Products and Services Code® (UNSPSC),
  - Classification of Products by Activity (NACE/CPA) or
  - Australian and New Zealand Standard Industrial Classification (ANZSIC),
- Description of the product, its application/intended use and technical functions, e.g. expected service life time,
- Geographical scope of the EPD, i.e., for which geographical location(s) of use and end-of-life the product's performance has been calculated,
- Functional unit or declared unit,
- Reference service life (RSL), if applicable,
- Declaration of the year(s) covered by the data used for the LCA calculation and other relevant reference years,
- Reference to the main database(s) for generic data and LCA software used, if relevant,
- System diagram of the processes included in the LCA, divided into the life cycle stages,
- Description if the EPD system boundary is "cradle-to-gate", "cradle-to-gate with options" or "cradle-to-grave",
- Information on which life cycle stages are not considered (if any), with a justification of the omission,
- Relevant websites for more information or explanatory materials.

This section may also include:

- Name and contact information of organisation carrying out the underlying LCA study,
- Additional information about the underlying LCA-based information, such as assumptions, cut-off rules, data quality and allocation.

### 5.4.4 CONTENT DECLARATION

The content declaration shall have the form of a list of materials and chemical substances including information on their environmental and hazardous properties. The gross weight of material shall be declared in the EPD at a minimum of 99 % of one unit of product. This includes where appropriate:

- Product total weight (without packaging)
- Seafood drained weight including reference standards for its calculation
- Other food included
- Preservatives (natural/synthetic)
- Additives
- Colorants

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Packaging (primary):

- Packaging weight
- Constituent materials (%)

Information on the hazardous properties of materials and chemical substances should follow the requirements given in the latest revision of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)<sup>8</sup>, issued by United Nations or national or regional applications of the GHS.

As an example, the following regulations should be used for EPDs intended to be used in the European Union:

- Regulation (EC) No 1907/2006 of the European parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures

#### 5.4.4.1. Information about recycled materials

Not relevant for this product category.

#### 5.4.4.2. Information about packaging

As packaging is strongly connected with the product, the producer shall provide information about packaging in the EPD, when applicable. Packaging may be classified as:

- Distribution Packaging: packaging designed to contain one or more articles or packages, or bulk materials, for the purposes of transport, handling and/or distribution (ISO 21067-1:2016, Par. 2.2.6)
- Consumer Packaging: packaging constituting, with its content, a sales unit for the final user or consumer at the point of retail (ISO 21067-1:2016, Par. 2.2.7).

Consumer packaging is generally the outcome of eco-design processes, or other activities, under direct control of the organisation. Many critical categories with strict legal requirements belong to consumer packaging category like food contact packaging and pharmaceutical packaging.

The type and function of packaging shall be reported in the EPD.

A statement of the source of the materials (pre-consumer or post-consumer) shall be presented in the EPD when the packaging is made in whole or in part by recycled materials.

## 5.4.5 ENVIRONMENTAL PERFORMANCE

#### 5.4.5.1. Environmental impacts

The indicators related to potential environmental impact listed in Table 3 shall be declared per functional unit or declared unit, and per life cycle stage.

PARAMETER		UNIT	UPSTREAM	CORE	DOWNSTREAM	TOTAL
Global warming potential (GWP)	Fossil	kg CO <sub>2</sub> eq.				
	Biogenic	kg CO <sub>2</sub> eq.				
	Land use and land transformation	kg CO <sub>2</sub> eq.				
	TOTAL	kg CO <sub>2</sub> eq.				
Acidification potential (AP)		kg SO <sub>2</sub> eq.				

<sup>8</sup> The GHS document is available on [www.unece.org](http://www.unece.org).

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Eutrophication potential (EP)	kg PO <sub>4</sub> <sup>3-</sup> eq.				
Photochemical oxidant formation potential (POFP)	kg NMVOC eq.				
Abiotic depletion potential – Elements	kg Sb eq.				
Abiotic depletion potential – Fossil fuels	MJ, net calorific value				
Water scarcity footprint (WSF)	m <sup>3</sup> H <sub>2</sub> O eq.				

Table 3 Indicators describing potential environmental impacts<sup>9</sup>.

Notes:

- Abiotic depletion potential is calculated and displayed as two separate indicators. ADP-fossil fuels include all fossil resources, while ADP-elements include all non-renewable material resources.
- Please check [www.environdec.com](http://www.environdec.com) for the latest list of default impact categories, units and characterisation factors as they may have been updated compared to this table.

#### 5.4.5.2. Use of resources

The indicators for resource use based on the life cycle inventory (LCI) listed in Table 4 shall be declared per functional unit or declared unit, and per life cycle stage.

PARAMETER		UNIT	UPSTREAM	CORE	DOWNSTREAM	TOTAL
Primary energy resources – Renewable	Use as energy carrier	MJ, net calorific value				
	Used as raw materials	MJ, net calorific value				
	TOTAL	MJ, net calorific value				
Primary energy resources – Non-renewable	Use as energy carrier	MJ, net calorific value				
	Used as raw materials	MJ, net calorific value				
	TOTAL	MJ, net calorific value				
Secondary material		kg				
Renewable secondary fuels		MJ, net calorific value				
Non-renewable secondary fuels		MJ, net calorific value				
Net use of fresh water		m <sup>3</sup>				

Table 4 Indicators describing use of primary and secondary resources.

Notes:

<sup>9</sup> Please check [www.environdec.com](http://www.environdec.com) for the latest list of default impact categories, units and characterisation factors as they may have been updated compared to this table.

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- In order to identify the primary energy used as an energy carrier (and not used as raw materials), the parameter may be calculated as the difference between the total input of primary energy and the input of energy resources used as raw materials.
- Energy content of biomass used for feed or food purposes shall not be considered.
- The net use of fresh water does not constitute a “water footprint” as potential environmental impacts due to the water use in different geographical locations is not captured. For this indicator:
  - Evaporation, transpiration, product integration, release into different drainage basins or the sea, displacement of water from one water resource type to another water resource type within a drainage basin (e.g. from groundwater to surface water) is included.
  - In-stream water use is not included.
  - For water used in closed loop processes (such as cooling system) and in power generation only the net water consumption (such as reintegration of water losses) should be considered.
  - Seawater shall not be included
  - Tap water or treated water (e.g. from a water treatment plant), or wastewater that is not directly released in the environment (e.g. sent to a wastewater treatment plant) are not elementary water flows, but intermediate flows from a process within the technosphere.
  - Additional transparency in terms of geographical location, type of water resource (e.g. groundwater, surface water), water quality and temporal aspects may be included as additional information.

#### 5.4.5.3. Waste production and output flows

Waste generated along the whole life cycle production chains shall be treated following the technical specifications described in the General Programme Instructions. When the amount of waste or the output flows is from the life cycle inventory (LCI) are declared, the indicators in Table 5 and Table 6 shall be reported per functional unit or declared unit, and per life cycle stage.

PARAMETER	UNIT	UPSTREAM	CORE	DOWNSTREAM	TOTAL
Hazardous waste disposed	kg				
Non-hazardous waste disposed	kg				
Radioactive waste disposed	kg				

Table 5 Indicators describing waste production.

PARAMETER	UNIT	UPSTREAM	CORE	DOWNSTREAM	TOTAL
Components for reuse	kg				
Material for recycling	kg				
Materials for energy recovery	kg				
Exported energy, electricity	MJ				
Exported energy, thermal	MJ				

Table 6 Indicators describing output flows.

#### Notes:

- The parameters are calculated on the gross amounts leaving the system boundary of the product system in the LCI. If e.g. there is no gross amount of “exported energy, electricity” leaving the system boundary, this indicator is set to zero.
- The parameter “Materials for energy recovery” does not include materials for waste incineration. Waste incineration is a method of waste processing, when R1<60% (European Guideline on R1 energy interpretation), and is allocated within the system boundary.

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- In case there are never any flows of these types leaving the system boundary for a product category, the indicators may be removed by the PCR.

#### 5.4.5.4. Other environmental indicators

The following indicators per declared unit shall be reported in the EPD:

- State of fish stocks with reference to the species of interest, total world captures and data sources (e.g. FAO, ISSF)

### 5.4.6 ADDITIONAL INFORMATION

As voluntary information, any action towards the reduction of bycatch rate may be mentioned. In such perspective, the definition of bycatch provided by the International Seafood Sustainability Foundation (<https://iss-foundation.org/what-we-do/areas-of-focus/bycatch/>) shall be considered.

Other certifications regarding product or process sustainability such as MSC (Marine Stewardship Council), organic certification, etc. may be included.

### 5.4.7 INFORMATION RELATED TO SECTOR EPDS

For sector EPDs, the following information shall also be included:

- a list of the contributing manufacturers that the Sector EPD covers,
- a description of how the selection of the sites/products has been done and how the average has been determined, and
- a statement that the document covers average values for an entire or partial product category (specifying the percentage of representativeness) and, hence, the declared product is an average that is not available for purchase on the market.

### 5.4.8 DIFFERENCES VERSUS PREVIOUS VERSIONS

For EPDs that have been updated, the following information shall also be included:

- a description of the differences versus previously published versions, e.g. a description of the percentage change in results and the main reason for the change;
- a revision date on the cover page

### 5.4.9 REFERENCES

This section shall include a list of references, including the General Programme Instructions (including version number), standards and PCR (registration number, name and version). The source and version of the characterisation models and the factors used shall be reported in the EPD.

The EPD shall, if relevant, refer to:

- The underlying LCA;
- Other documents that complement the EPD;
- Instructions for recycling, if relevant.

### 5.4.10 EXECUTIVE SUMMARY IN ENGLISH

For EPDs published in another language than English, an executive summary in English shall be included.

The executive summary should contain relevant summarised information related to the programme, product, environmental performance, additional information, information related to sector EPDs, references and differences versus previous versions.



## 6 GLOSSARY

CO <sub>2</sub>	Carbon dioxide
CPC	Central product classification
EPD	Environmental product declaration
ISO	International Organization for Standardization
kg	kilogram
LCA	Life cycle assessment
PCR	Product Category Rules
PEFCR	Product Environmental Footprint Category Rules
SI	The International System of Units
SO <sub>2</sub>	Sulphur dioxide
UN	United Nations

## 7 REFERENCES

Bolton Food, LCA Riomare canned tuna 80g.

Bolton Food, LCA Riomare canned salmon 150g.

CEN (2013), EN 15804:2012+A1:2013, Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products.

Davies R.W.D. et al. (2009), Marine Policy, Defining and estimating global marine fisheries bycatch.

EPD International (2017), General Programme Instructions for the International EPD® System. Version 3.0, dated 2017-12-11. [www.environdec.com](http://www.environdec.com)

European Commission (2016), Product Environmental Footprint Category Rules for Marine fish for human consumption, draft version n.01 for public stakeholder consultation, v. 09/02/2016.

European Commission (2018), Product Environmental Footprint Category Rules Guidance, v. 6.3, May 2018.

ISO (2000), ISO 14020:2000, Environmental labels and declarations – General principles

ISO (2004), ISO 8601:2004 Data elements and interchange formats – Information interchange – Representation of dates and times

ISO (2006a), ISO 14025:2006, Environmental labels and declarations – Type III environmental declarations – Principles and procedures

ISO (2006b), ISO 14040:2006, Environmental management – Life cycle assessment – Principles and framework

ISO (2006c), ISO 14044: 2006, Environmental management – Life cycle assessment – Requirements and guidelines

ISO (2013), ISO/TS 14067:2013, Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification and communication

ISO (2014), ISO 14046:2014, Environmental management – Water footprint – Principles, requirements and guidelines

ISO (2017), ISO 21930:2017, Sustainability in buildings and civil engineering works -- Core rules for environmental product declarations of construction products and services

Justel-Rubio A., Restrepo V. (2017), International Seafood Sustainability Foundation, Washington, D.C., USA, Computing a global bycatch Rate of non-target species in tropical tuna purse seine fisheries, ISSF Technical Report 2017-01.

Parker R. (2012), Sea Fish Industry Authority, Review of life cycle assessment research on products derived from fisheries and aquaculture: a report for Seafish as part of the collective action to address greenhouse gas emissions in seafood.

PCR 2010:01 CPC 2371 Uncooked pasta, not stuffed or otherwise prepared.

PCR 2010:07 CPC 21537 Virgin oil and its fractions.

PCR 2011:15 CPC 0231 Hen eggs in shell, fresh.

PCR 2012:06 CPC 234 Bakery products.

PCR 2013:16 CPC 022 Raw milk.

PCR 2013:17 CPC 221 Processed liquid milk and cream.

PCR 2014:11 CPC 2124 Fish, otherwise prepared or preserved. Caviar and caviar substitutes (Expired).

PCR 2016:02 CPC 0293 Edible products of animal origin n.e.c..

PCR 2016:05 CPC 2117 Preserves and preparations of meat.

PCR 2019:01 CPC 013 Fruits and nuts.

## 8 VERSION HISTORY OF PCR

### VERSION 1.0, 2019-06-24

Original version of PCR published.

### VERSION 1.01, 2019-08-18

- Clarified terms of use
- Editorial changes

## 9 APPENDIX A: COLD STORAGE

If the final product needs a cold storage for preserving its shelf life after production, the environmental impacts related to this process shall be estimated.

Since the impacts could be quite variables, if primary data are not available, the following expression shall be adopted in order to calculate the values in a "comparable" way. This expression comes from [www.lcafood.dk](http://www.lcafood.dk).

Electricity consumption due to the cold/frozen storage shall be evaluated by the following formula:

$$E_p = E_s \times \frac{100\%}{u} \times V_p \times t$$

Where:

- $E_s$  is the specific energy consumption of the cooling room (kWh per m<sup>3</sup> per day)
- $u$  is the utilisation degree of the storage room (%)
- $V_p$  is the volume of the considered product (m<sup>3</sup>).
- $t$  is the storage time (days).

Values have to be set as follow:

- $E_s = 0,59$  kWh per m<sup>3</sup> per day in the product is stored in a cold place (5°C);
- $u = 50\%$
- $V_p$  = the actual product volume (if more specific data are available, the hypotheses shall be included in the EPD)
- $t = 7$  days

Different default value could be used but they have to be presented in the EPD.

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