

EPD:er och det internationella EPD-systemet

@ Fossilfri och cirkulär upphandling, 2023-11-09

EPD[®]





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EPD International AB

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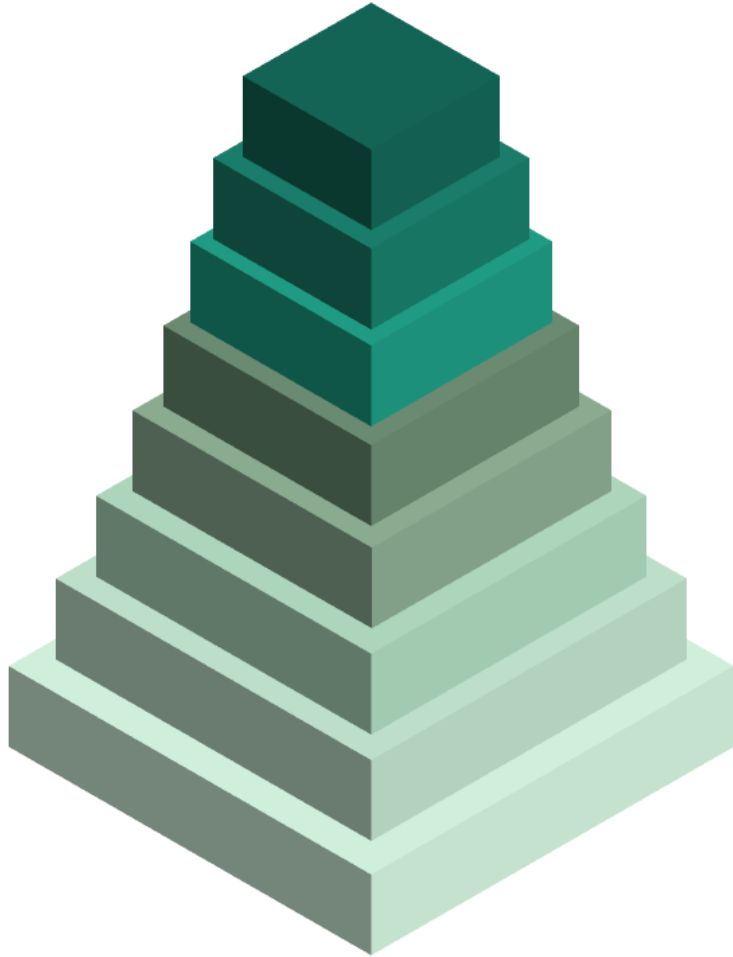
Agenda

1. Vad är en miljövarudeklaration (Environmental Product Declaration, EPD)?
2. Varför en EPD?
3. Hur tar man fram en EPD?
4. Internationella EPD-systemet (the International EPD System)
5. En spännande nyhet

Environmental Product Declaration (EPD)

kommunicerar **transparent, objektiv** och **jämförbar** information om en eller flera produkters miljöpåverkan i ett livscykelperspektiv

- Globalt erkänt och etablerat kommunikationsformat för miljödeklarationer (ISO 14025)
 - en deklARATION är varken en märkning eller ett påstående i ISO-termer
 - i EPD jämförs inte miljöprestanda: "produkt X är bättre än produkt Y"
- Frivillig och marknadsdrivet
- Baserat på en livscykelanalys (LCA)
- EPD, och underliggande LCA, utförd enligt produktkategoriregler (PCR)
- EPD, och underliggande LCA, är oberoende verifierade
- EPD registrerad hos en EPD-programoperatör (t.ex. EPD International)
- Främst för företag-till-företag-kommunikation, men används i andra sammanhang (se senare bild)



01 COMPLEMENTARY (C)-PCRS

Additional requirements for a specific product group within a product category

02 PRODUCT CATEGORY RULES (PCRS)

Specific requirements for one or more product categories

03 PRODUCT SPECIFIC STANDARDS

EN 15804, ISO 29130, etc.

04 GENERAL PROGRAMME INSTRUCTIONS

Regulation on overall administration and operation

05 ECO-PLATFORM

Regulation on administration, calculation and verification

06 EPD STANDARDS

ISO 14025, ISO/TS 14027 and ISO 14029

07 LCA STANDARDS

ISO 14040, ISO 14044, ISO 14067 and ISO/TS 14071

08 ORGANISATIONAL STANDARDS

ISO 9001, ISO 17029 and ISO 17065

Search the EPD Library

Filter

Product Category

PCR

Geographical scope

Validity

Only sector EPDs

[Search](#)

Showing the first 50 results

- | | | |
|---|--|--|
| <p>FOOD & BEVERAGES</p> <p>S-P-01150</p> <p>Barilla Pesti Rustic sauce</p> <p>Barilla G. e R. Fratelli</p> | <p>FOOD & BEVERAGES</p> <p>S-P-01151</p> <p>Barilla Pesto al basilico vegan</p> <p>Barilla G. e R. Fratelli</p> | <p>FOOD & BEVERAGES</p> <p>S-P-00494</p> <p>Barilla Pesto alla Genovese sauce</p> <p>Barilla G. e R. Fratelli</p> |
| <p>FOOD & BEVERAGES</p> <p>S-P-01563</p> <p>Barilla durum wheat semolina pasta with 100% Italian wheat</p> <p>Barilla G. e R. Fratelli</p> | <p>FOOD & BEVERAGES</p> <p>S-P-02176</p> <p>Barilla Emiliane Stuffed Pasta</p> <p>Barilla G. e R. Fratelli</p> | <p>FOOD & BEVERAGES</p> <p>S-P-07356</p> <p>LOGROS S.A. Beef Meat</p> <p>LOGROS S.A.</p> |

Barilla Pesti Rustici sauce



Product information

Barilla Pesti Rustici sauces are an original condiment with a rustic consistency that enhances the taste of your dishes. The vegetables, all Mediterranean, are roughly pounded to maintain an intense flavor and the bright colors of seasonal vegetables. A joy for bread and pasta. Pestati sauces are sold in package of 200 grams jar in three recipe: basil and zucchini, basil and olives, dried tomatoes and Mediterranean vegetables. The sauce may be heated up before the consumption.

For more information, please visit <https://www.banilla.com/it-it/ricerca-prodotti/sauce/qamma/pesti>

Detailed information

Registration number: S-P-01150

Status: Registered

Registration date: June 4, 2018

Version date: November 22, 2022

Valid until: June 29, 2025

Geographical scopes: Italy, Europe

Company information

Company Name: Barilla G. e R. Fratelli

Country: Italy

Contact: Laura.Marchelli@banilla.com

Website: <https://www.banillagroup.com/>

Download documents

[S-P-01150 EPD Pesti rustici sauce 2022.pdf](#)

Included products in this EPD

Use this QR code to link directly to this page



1. BRAND AND PRODUCT

THE BRAND BARILLA



The Barilla brand has its roots in a small bread and pasta store opened in Parma in 1877.

Today it is the number one pasta in Italy and around the world. Thanks to the best durum wheat and impressive modern technologies, Barilla supplies millions around the world with pasta that always cooks to a perfect al dente texture, as well as ready-to-eat pasta sauces.

Further information on [Barilla website](#).

THE PLANT AND THE PROCESS

Pesto sauces are produced in an owned plant located in Rubbiano (Italy), where the preparation is very close to what people would do at home.

The process starts from basil preparation (washing and drying); basil is then added to other ingredients and mixed.

Vegetables, all coming from Mediterranean areas, are roughly pounded to maintain an intense flavour and the bright colours of seasonal vegetables.

Pesti Rustici sauce undergoes a heat treatment to pasteurize the product while preserving flavour and taste as much as possible over time. The pasteurization treatment, coupled with the integrity of the container, allows us to avoid using any preservatives.

The product is sold in package of 200 grams jar, in four recipes: basil and zucchinis, dried tomatoes, Mediterranean vegetables, basil and olives. Sauce may be heated up before the consumption.

THE PRODUCT



NUTRITIONAL INFORMATION (per 100 g)					
		BASIL AND ZUCCHINIS	BASIL AND OLIVES	MEDITERRANEAN VEGETABLES	DRIED TOMATOES
Energy	kJ	802	874	752	727
	kcal	194	212	182	176
Fats <i>of which saturated</i>	grams	15.5	19	16	14.5
		1.4	1.8	1.4	1
Carbohydrates <i>of which sugars</i>	grams	9.9	6.1	6.9	7.9
		3.4	4.9	5.5	6.8
Fibres	grams	3.5	3.9	2.2	2.8
Proteins	grams	1.9	2.1	1.5	2
Salt	grams	1.65	1.95	1.65	1.55

3. ENVIRONMENTAL PERFORMANCE CALCULATION



The environmental performance of the product was calculated using the **LCA (life cycle analysis)** methodology, including the entire production chain, beginning with growing the vegetables up until delivery of the finished product to the shelf.

The study was conducted following the specific product rules (PCR) published by the EPD system: "CPC code 23995 – Sauce". The generic data contributes to the calculation of environmental impacts is lower than 10%.

DECLARED UNIT

Data are referred to **1 kg** of product plus the related packaging (the packaging is referred to the **200 g** format, reported to 1 kg of product).

SYSTEM BOUNDARIES

The processes constituting the analysed system were organized in upstream, core and downstream processes, in compliance with the requisites of the EPD system.

GEOGRAPHICAL SCOPE

The geographical scope of this EPD corresponds to the distribution area of the product; concerning Pesti Rustici sauces, they are sold mainly in European Countries including Italy; however some volumes are distributed also outside Europe.





9. ENVIRONMENTAL RESULTS

PESTO RUSTICO BASIL AND ZUCCHINI

POTENTIAL ENVIRONMENTAL IMPACTS data referred to 1 kg of product	UPSTREAM		CORE	DOWNSTREAM		TOTAL	
	Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life		
GLOBAL WARMING POTENTIAL - GWP (g CO ₂ eq)	Fossil	7.51E+02	1.08E+03	3.42E+02	3.58E+02	8.49E-01	2.53E+03
	Biogenic	2.41E+01	5.73E+00	4.83E+00	7.37E-01	4.71E-01	3.59E+01
	Land use and land transformation	8.25E+01	1.68E+01	3.79E-03	3.48E-03	3.49E-04	9.93E+01
	Total	8.58E+02	1.10E+03	3.47E+02	3.59E+02	1.32E+00	2.67E+03
Acidification Potential - g SO ₂ eq.	1.12E+01	6.29E+00	1.06E+00	1.64E+00	6.23E-03	2.02E+01	
Eutrophication Potential - g PO ₄ ³⁻ eq.	5.94E+00	1.00E+00	1.61E-01	1.97E-01	1.25E-03	7.30E+00	
Photochemical Oxidant Formation Potential - g NMVOC eq.	3.61E+00	3.58E+00	1.18E+00	1.56E+00	6.53E-03	9.95E+00	
Abiotic Depletion Potential - Elements g Sb eq.	1.85E-03	3.51E-02	8.14E-06	1.48E-05	7.13E-08	3.69E-02	
Abiotic Depletion Potential - Fossil fuels - MJ, net calorific value	8.15E+00	1.46E+01	5.17E+00	4.87E+00	9.43E-03	3.28E+01	
Water scarcity potential, m3 eq.	5.89E+00	9.40E-01	2.84E-01	-7.49E-04	2.21E-05	7.12E+00	
WASTE PRODUCTION* data referred to 1 kg of product	UPSTREAM		CORE	DOWNSTREAM		TOTAL	
	Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life		
Hazardous waste disposed	3.61E-04	2.79E-02	0.00E+00	0.00E+00	0.00E+00	2.8E-02	
Non-Hazardous waste disposed	3.87E+00	2.56E+00	0.00E+00	0.00E+00	0.00E+00	6.4E+00	
Radioactive waste disposed	3.94E-05	3.79E-05	4.25E-06	2.62E-06	1.07E-07	8.4E-05	

The biogenic contribution to Global Warming Potential refers only to biogenic methane.
 The contribution given by biogenic CO₂ is equal to zero, since the absorbed amount is equal to the emitted biogenic CO₂ within the reference 100 years period.

* Only flows coming from processes under direct Barilla control were considered, if not associated to a treatment whose environmental impact is considered. Flows generated by secondary data were excluded (since already accounted for their environmental burden).

AUSTRALIA EPD
ENVIRONMENTAL PRODUCT DECLARATION

Environmental Product Declaration for Galvanizers Association of Australia: Hot Dip Galvanizing in Australia

In accordance with EN 15804, ISO 14025 and PCR 2011-16 V2.2
EPD registration number: S-P-01166
Date of issue: 26.09.2019
Valid until: 26.09.2024

EPD

Environmental Product Declaration

Product: Etilerster Original Alu
Manufacturer: Etilerster AB
Description: Downward opening Top-swing Window Alu
Manufacturer: AFI

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-02272
Publication date: 2021-04-30
Valid until: 2026-02-07

eka

Environmental Product Declaration

Product: eka
Manufacturer: eka

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025, ISO 21930 and EN 15804+A2 for:

Supafil Cavity 033, Supafil Multifit

From **KNAUF INSULATION**

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01792
Publication date: 2023-06-24
Valid until: 2027-06-24

Environmental Product Declaration for asphalt mixtures from Halimstad asphalt plant – Biskopstorp

NCC

Product: Asphalt mixtures
Manufacturer: NCC

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

EPD

Environmental Product Declaration

Product: eka
Manufacturer: eka

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

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EPD registration number: S-P-01792
Publication date: 2023-06-24
Valid until: 2027-06-24

Environmental Product Declaration

In accordance with ISO 14025 for:

CALIK DENIM

CALIK ECLR-OR 606 denim fabric from

Registration number in The International EPD System: S-P-00967

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-00967
Publication date: 2021-04-30
Valid until: 2026-02-07

IBER

Environmental Product Declaration

Product: IBER
Manufacturer: IBER

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

EPD

Environmental Product Declaration

Product: eka
Manufacturer: eka

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 for:

CALIK DENIM

CALIK ECLR-OR 606 denim fabric from

Registration number in The International EPD System: S-P-00967

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-00967
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 for:

CUMMAVER NETO

Registration number in The International EPD System: S-P-00967

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-00967
Publication date: 2021-04-30
Valid until: 2026-02-07

FRISTADS

Environmental Product Declaration

Product: FRISTADS
Manufacturer: FRISTADS

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

EPD

Environmental Product Declaration

Product: eka
Manufacturer: eka

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 for:

CUMMAVER NETO

Registration number in The International EPD System: S-P-00967

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-00967
Publication date: 2021-04-30
Valid until: 2026-02-07

Global 7500

Environmental Product Declaration

Product: Global 7500
Manufacturer: Bombardier

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-02272
Publication date: 2021-04-30
Valid until: 2026-02-07

Plastic

Environmental Product Declaration

Product: Plastic
Manufacturer: Plastic

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 for:

CUMMAVER NETO

Registration number in The International EPD System: S-P-00967

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-00967
Publication date: 2021-04-30
Valid until: 2026-02-07

Leva Chair

From **Foster + Partners**

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-02272
Publication date: 2021-04-30
Valid until: 2026-02-07

Pangri

Classico e integrale

Dichiarazione Ambientale di Prodotto

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-02272
Publication date: 2021-04-30
Valid until: 2026-02-07

DAUN BUAH™ GRANULATED UREA

From **PT Pupuk Kalimantan Timur PUPUK KALTIM**

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-04685
Publication date: 2021-10-22
Valid until: 2026-10-21

Leva Chair

From **Foster + Partners**

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-02272
Publication date: 2021-04-30
Valid until: 2026-02-07

Plastic

Environmental Product Declaration

Product: Plastic
Manufacturer: Plastic

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 for:

CUMMAVER NETO

Registration number in The International EPD System: S-P-00967

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-00967
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 for:

ECONAMID® FL6 unfilled & reinforced

From **DOMO**

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-02272
Publication date: 2021-04-30
Valid until: 2026-02-07

Plastic

Environmental Product Declaration

Product: Plastic
Manufacturer: Plastic

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-01438
Publication date: 2021-04-30
Valid until: 2026-02-07

ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 for:

CUMMAVER NETO

Registration number in The International EPD System: S-P-00967

Programme operator: The International EPD System, www.environdec.com
EPD registration number: S-P-00967
Publication date: 2021-04-30
Valid until: 2026-02-07

EPD

TENCATE
protectivefabrics | made for life

STADLER

EPD

STADLER

EPD

EPD

EPD

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Varför en EPD?

Externa drivkrafter

- Krav från företag nedströms i produktionskedjan
- "Krav" i lagstiftning (exv. klimatdeklaration i Sverige, upphandling i USA, miljöpåståenden (green claims) i EU)
- Konkurrensfördel i offentlig upphandling
- Fördelar i miljöcertifieringssystem (exv. LEED)
- Etc.

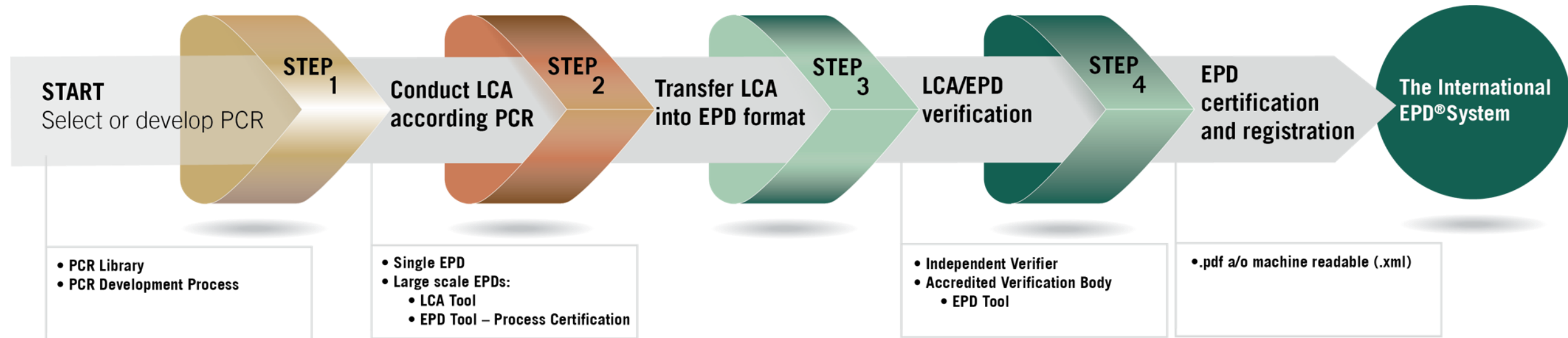
Interna drivkrafter

- Hållbarhetsmål på företagsnivå
- Produkt- och processutveckling
- Sustainable Supply Chain Management (SSCM)
- Etc.

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Processen för att skapa en EPD





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International EPD System / EPD International AB

- Det första EPD-programmet i världen, grundat i Sverige 1997
- 1998 släpptes världens första EPD
- Vi är stolta uppfinnare av EPD och PCR
- Sedan 2014 ett helägt dotterbolag till IVL Svenska Miljöinstitutet
- Vår hemsida: www.environdec.com

Published 1999-02-12

VATTENFALL  Certified Environmental Product Declaration (EPD),
hydropower electricity from the Lule river 

Manufacturer and Product

Manufacturer:

Vattenfall AB, 162 87 Stockholm through Vattenfall AB Vattenkraft, 971 77 Luleå,
www.vattenfall.se

Contacts: Sören Ek, +46-920-770 00 (environment and generation, Lule river),
Birgit Bodlund, +46-8-739 50 00 (certification issues) and Sara Ericsson, +46-8-739 50 00 (sales).

Vattenfall AB Vattenkraft's goal is to have a certified environmental management system, in accordance with ISO 14001, by the end of 1999.



Map of the Lule river catchment showing the three hydropower plants which have been studied in detail in this certification process.

Varför välja EPD International?

- **Globalt** EPD-program med licenstagare representerade på alla större marknader och kontinenter
- Prismodell som låter dig skala upp EPD-publicering till **rimlig kostnad**
- EPD:er för **alla produktkategorier** – världens största PCR-bibliotek
- **Global harmonisering**
 - Vision: en PCR för varje sektor/produktkategori
 - Minimerar handelshinder
 - Möjliggör rättvis jämförelse av resultat i samma produktkategorier, globalt
- Vi satsar stort på att erbjuda allt fler **digitala lösningar**
 - Absolut nödvändighet för att möjliggöra produktion av många högkvalitativa EPD:er i rätt tid till konkurrenskraftig kostnad



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Nu lanseras vi SPD – Social Product Declaration

- Som en EPD, men fokus på **social hållbarhet**
- Tredjeparts-verifierad deklARATION, baserad på en Social LCA
- Världens första SPD-PCR och världens första SPD har utvecklats i ett pilotprojekt
- Snart kommer nyheten om detta släppas på www.environdec.com – håll ögonen öppna!

Tack för att du lyssnade!

Kontaktinformation

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www.environdec.com

EPD International AB

Proud Inventors of the PCR and EPD

