

# SUSTAINABLE PACKAGING DESIGN AND EPD<sup>®</sup> PROCESS IN FOOD CONTACT MATERIALS







# ISAP PACKAGING

ISAP Packaging is a solid company located in Verona with more than 50 years of experience in industrial food packaging and disposable tableware.



Revenue: €88 million



Employees: 253



Customers: 1700



Suppliers: 600



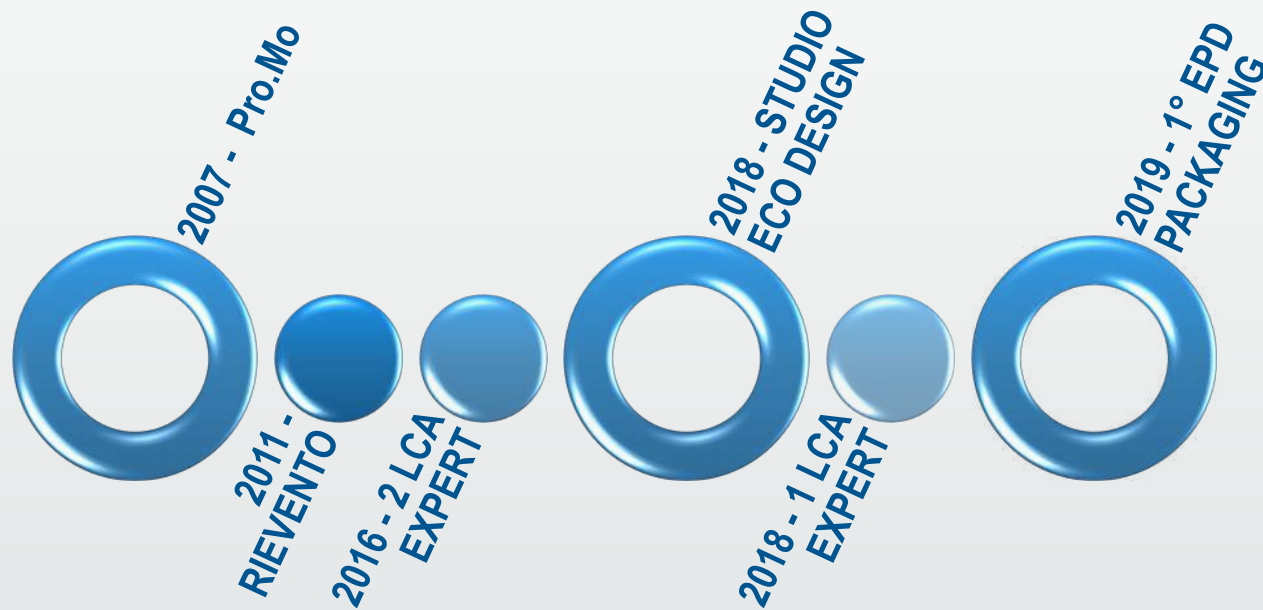
Investments: + €16 million in 5 years





ISAP is part of Pro.Mo, association of Italian manufacturers of plastic disposable tableware (Federazione Gomma Plastica - Confindustria).

This group promotes research, information and communication activities



ISAP Packaging has been investing for years:

- In reduction of process/product environmental impact
- In the study of truly effective and sustainable raw materials alternative to plastics
- In **informing** about proper use of products
- In supporting **pilot initiatives on recycling and reusing** (circular economy)



**Ecodesign nel packaging industriale:**  
Un caso di studio

Dott. M. Biasiolo  
Ing. L. Borghi

Milano, 01/12/2016

**7. INFORMAZIONI AGGIUNTIVE**

PROGRAMMI DI MIGLIORAMENTO: Alleggerimento Vasetto Yogurt Yomo (a partire da marzo 2018)

Nel 2018 Granarolo ha sviluppato, in collaborazione con il fornitore ISAP, un progetto di ottimizzazione del vasetto Yomo in polipropilene (PP) passando da 5,5g a 5,3g.

Il progetto interessa i formati di yogurt a marchio Yomo da 100g (circa 1,4 milioni di vasetti). Di seguito si riporta il potenziale risparmio in termini di materiale e di emissioni di gas ad effetto serra associati al progetto stesso, sulla base dei budget relativi all'intero anno 2018.

RISPARMIO PER VASETTO		RISPARMIO TOTALE	
	-0,2g di PP		-48t di PP
	-0,54g di CO <sub>2</sub> eq*		-130t di CO <sub>2</sub> eq

\* stimato a partire dalla massa risparmiata e dal COPV del polipropilene (GPPV) pari a 1,18 kg CO<sub>2</sub> eq/kg (fonte dati: dati ISAP - fattori di caratterizzazione IPCC 2013)

PAGINA 14

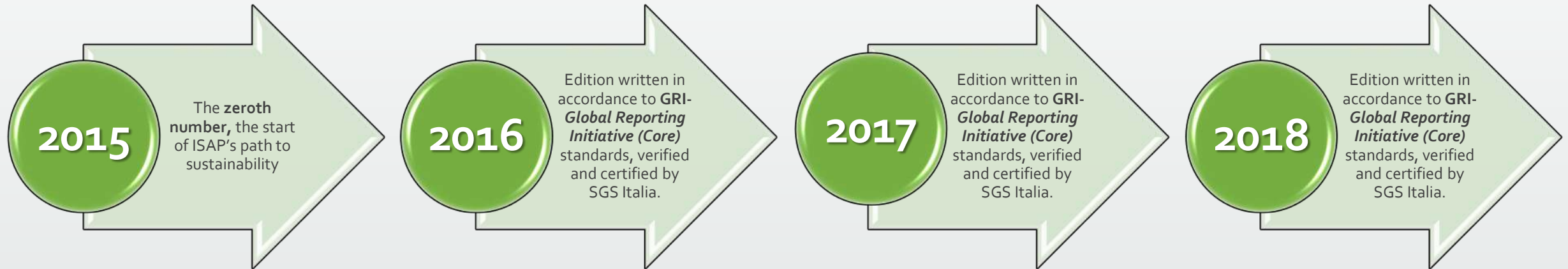


## THE SUSTAINABILITY REPORT

A tool for sharing with the stakeholders the path taken by ISAP to a Sustainable Development, the main achieved results and the future goals



[www.globalreporting.org](http://www.globalreporting.org)





# **SUSTAINABLE PACKAGING DESIGN AND EPD<sup>®</sup> PROCESS IN FOOD CONTACT MATERIALS**



# PRODUCT ENVIRONMENTAL LABEL

## TYPE I LABEL

UNI EN ISO 14024:2018

Voluntary ecological labels based on a multi-criteria system, that considers the entire life cycle of the product.

They are subjected to an external **certification by an independent body**.

E.g., the european ecological quality mark ECOLABEL



## TYPE II LABEL

UNI EN ISO 14021:2016

Ecological labels referring to environmental **self-declarations** made by manufacturers, importers or distributors of products, without the intervention of an independent certification body.

E.g., the generic descriptions "Recyclable", "Compostable", etc.)



## TYPE III LABEL

ISO 14025:2006

Ecological labels referring to declarations based on fixed parameters and that contain a quantification of the environmental impact associated to the whole life cycle of the product, calculated with an LCA system.

**They are subjected to a control by a third party independent body** and are presented in a clear and comparable form.

E.g., the "Environmental Product Declaration".



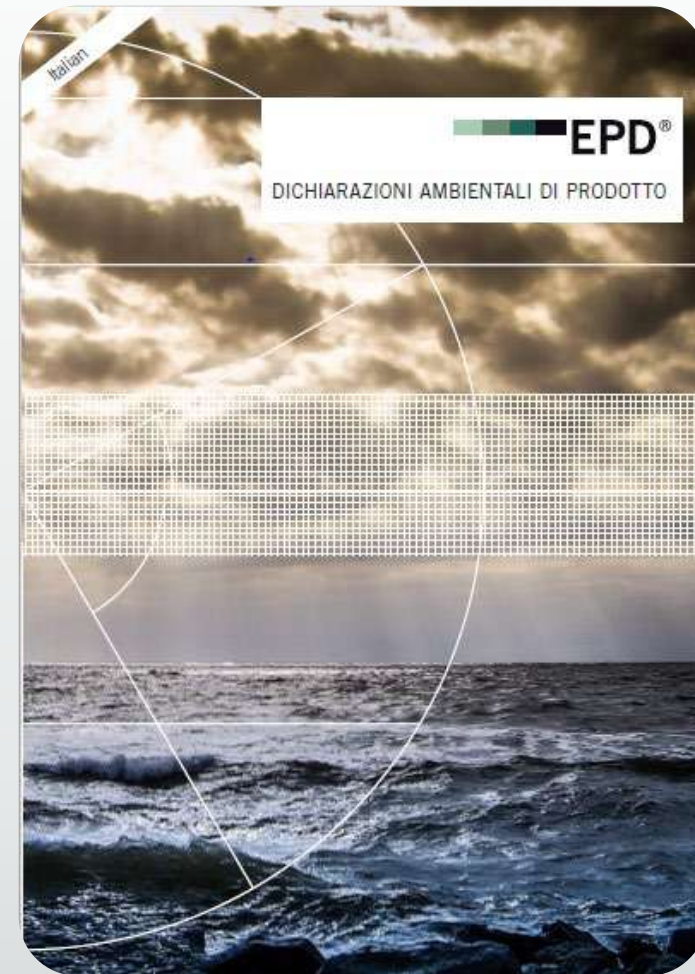


# EPD CERTIFICATION

## Environmental Product Declaration, EPD

An **EPD®** is a **Certified Environmental Product Declaration**, which reports **environmental data** over the **life cycle** of products in accordance with the international standard **ISO 14025**.

The **International EPD® System** is a programme to **develop and register EPDs** for any type of goods and services.  
The system is **international and third party verified**.



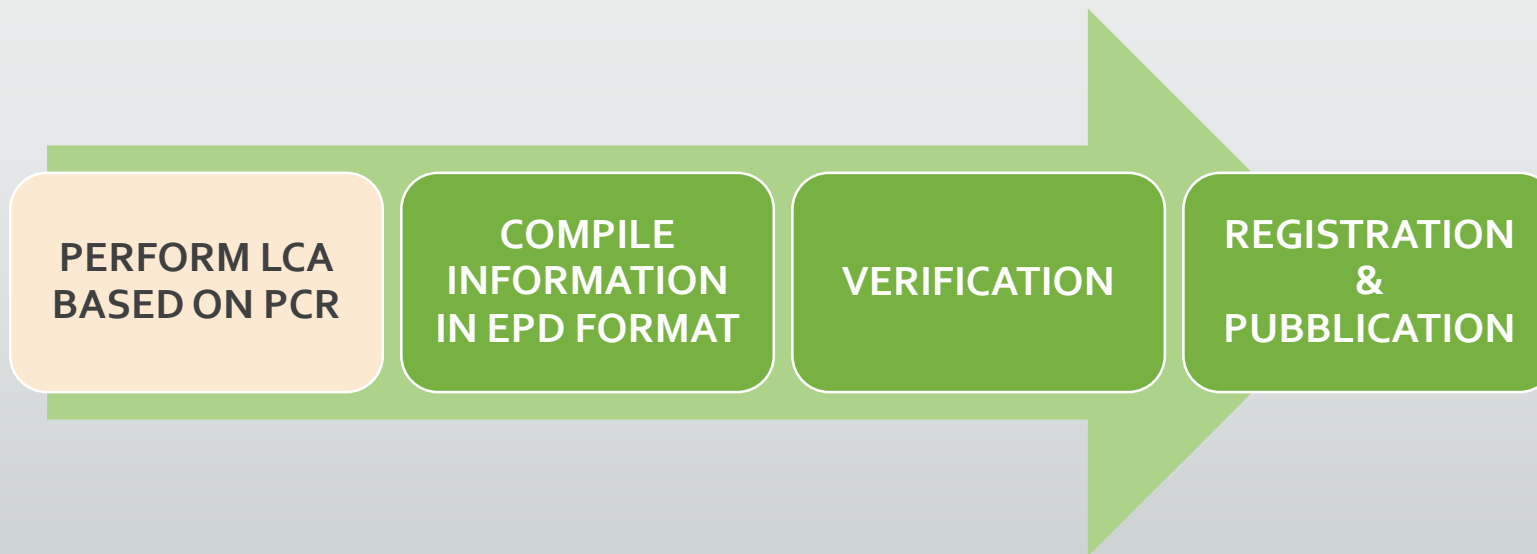


To create an EPD, a LCA study is carried out in accordance with the calculation rules in the product category rules (PCR).

The results from the study and other information, as required by the PCR, are then compiled into the EPD reporting format.

The EPD is then verified by an approved independent party.

Registration and publication of the EPD is done by contacting the Secretariat at [info@environdec.com](mailto:info@environdec.com), who also work as a helpdesk throughout the process.





The results of the LCA study and other information mandated by the reference PCR and General Programme Instructions shall be compiled in the EPD reporting format.

The International EPD® System includes the requirements for the EPD reporting format in terms of contents, while some flexibility is allowed in the formatting and layout provided that the EPD still includes the prescribed information.

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,
- shall not include rating, judgements, or direct comparisons with other products.

**PERFORM LCA  
BASED ON PCR**

**COMPILE  
INFORMATION  
IN EPD FORMAT**

**VERIFICATION**

**REGISTRATION  
&  
PUBLICATION**



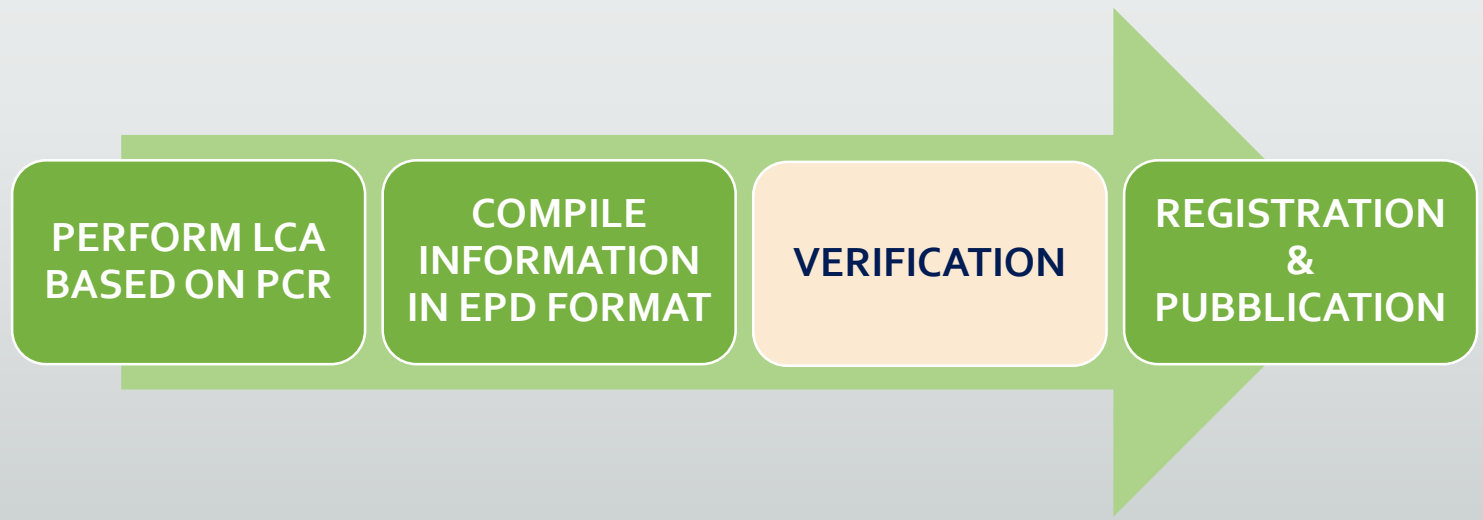
There are two types of verification procedures in the International EPD® :

- **EPD verification: verification of LCA-based data**, additional environmental information, and other information presented in an EPD based on the General Programme Instructions and a **valid reference PCR**.

EPD verification shall be conducted by an approved individual verifier or an accredited certification body.

- **EPD process certification**: verification of an internal organisational process aimed to develop EPDs based on the General Programme Instructions and valid reference PCRs covered under the scope of certification.

EPD process certification shall be conducted by an accredited certification body.





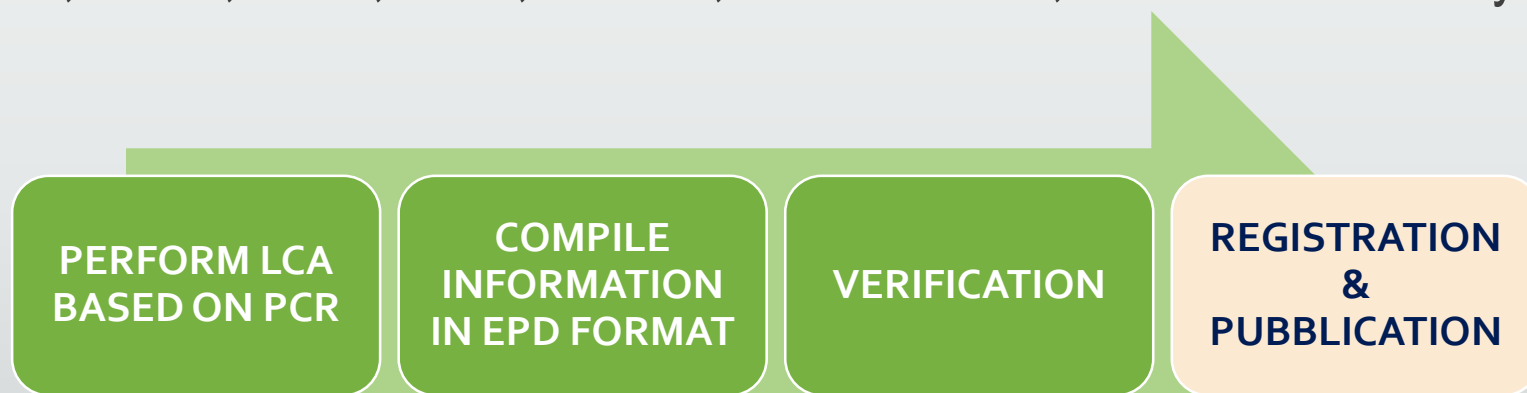
After completed verification, the organisation developing the EPD shall submit the EPD to the Secretariat ([registration@environdedec.com](mailto:registration@environdedec.com)) together with other mandatory documentation.

The publication/issue date in the EPD should be set to the date when the documentation is submitted.

The verified EPD may be provided in one or multiple languages, and in multiple versions .

If the EPD is not available in **English**, it shall contain an executive summary in English that includes the main content of the EPD.

In some countries, EPD registration is handled via a regional partner. These countries are currently: Australia, Brazil, Chile, India, Mexico, New Zealand, Russia and Turkey.



Programme Operator

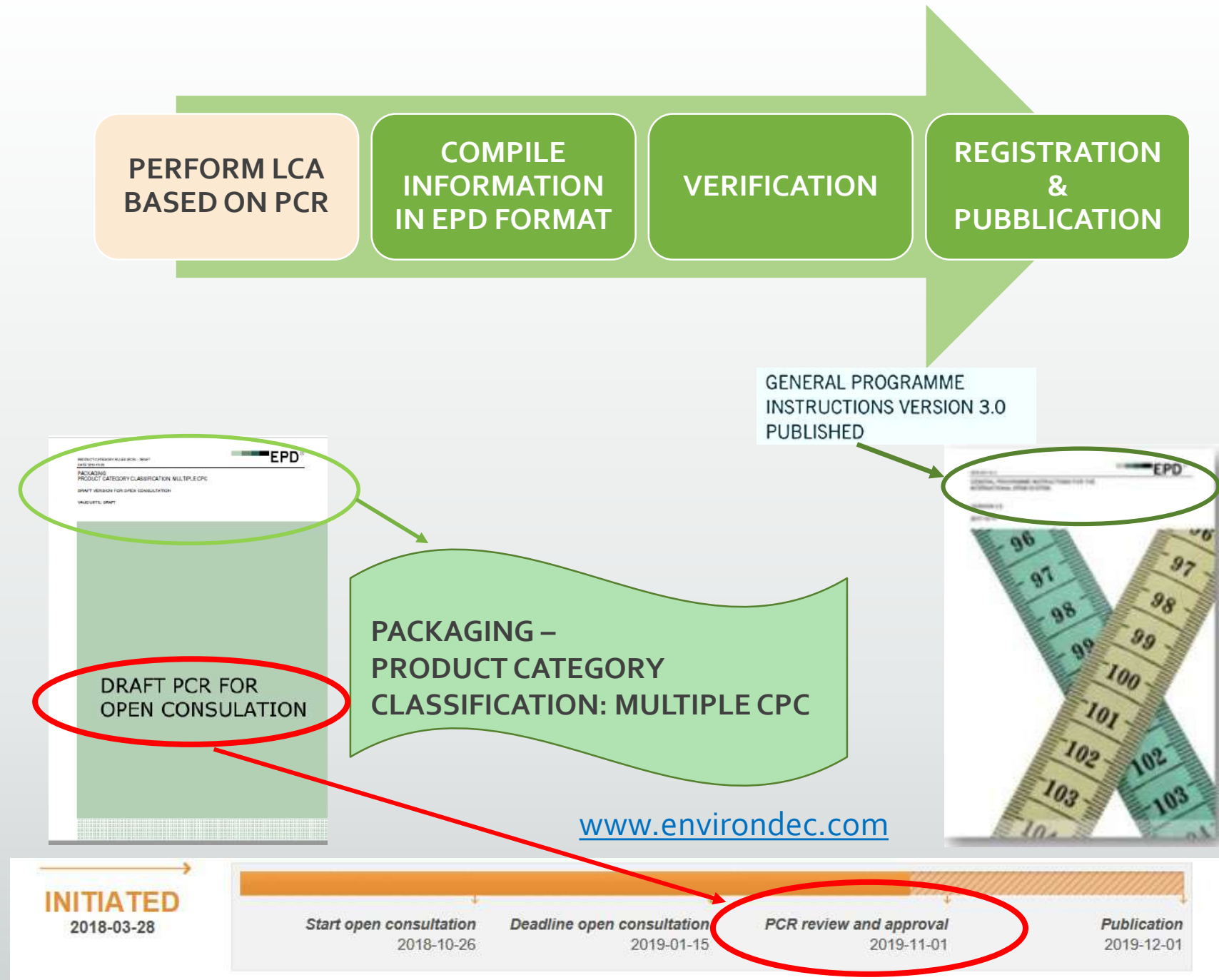


When developing an EPD, the environmental performance of the product shall be described **from a life cycle perspective**.

One of the main steps is to carry out a life cycle assessment (**LCA**) of the product.

The LCA study may be performed **by the organisation** itself (in-house) or with the help of a **consultant with expertise in LCA and environmental declarations**.

[www.environdec.com](http://www.environdec.com)





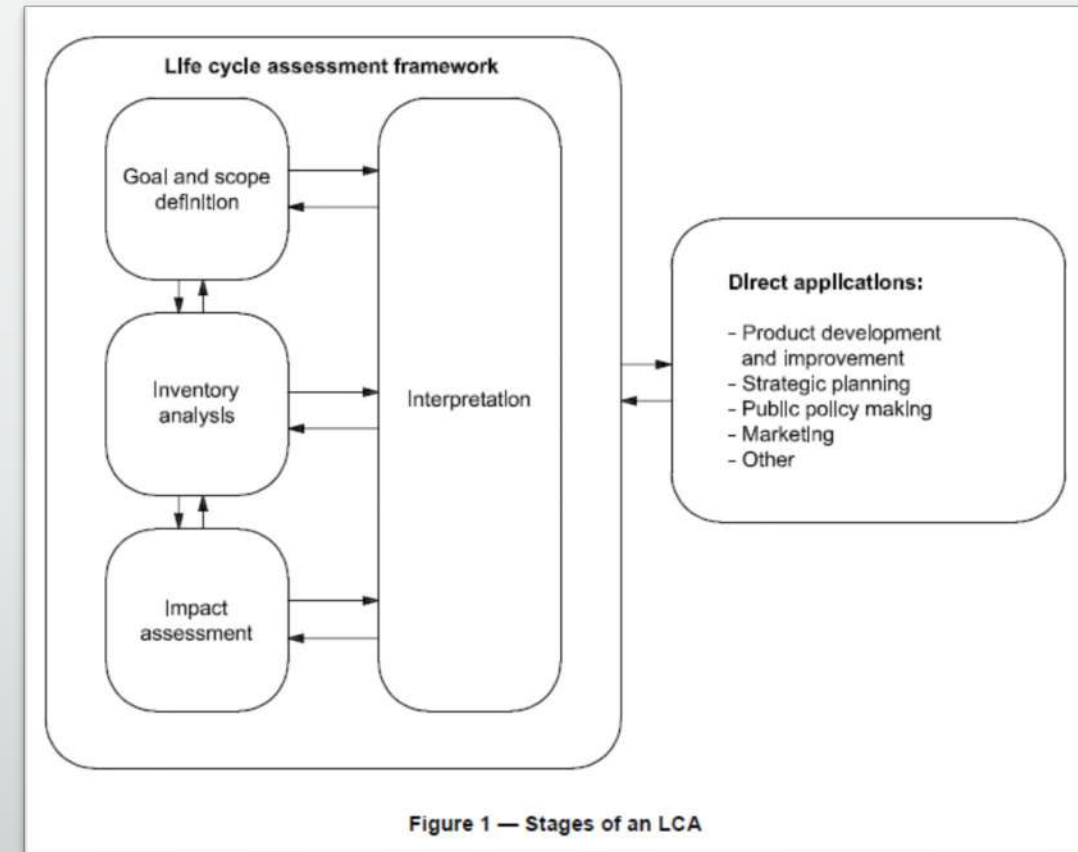
# THE CONTRIBUTION OF LIFE CYCLE ASSESSMENT (LCA)

The **LCA** procedure is based on the **compilation, quantification and evaluation**, with defined procedures, of all the **inputs and outputs of materials and energy** and of the **related environmental impact**, attributed to a **product** during its **life cycle**.

## LCA PROCEDURE

According to **ISO 14040**, the **LCA** procedure is structured into four separate and consecutive phases:

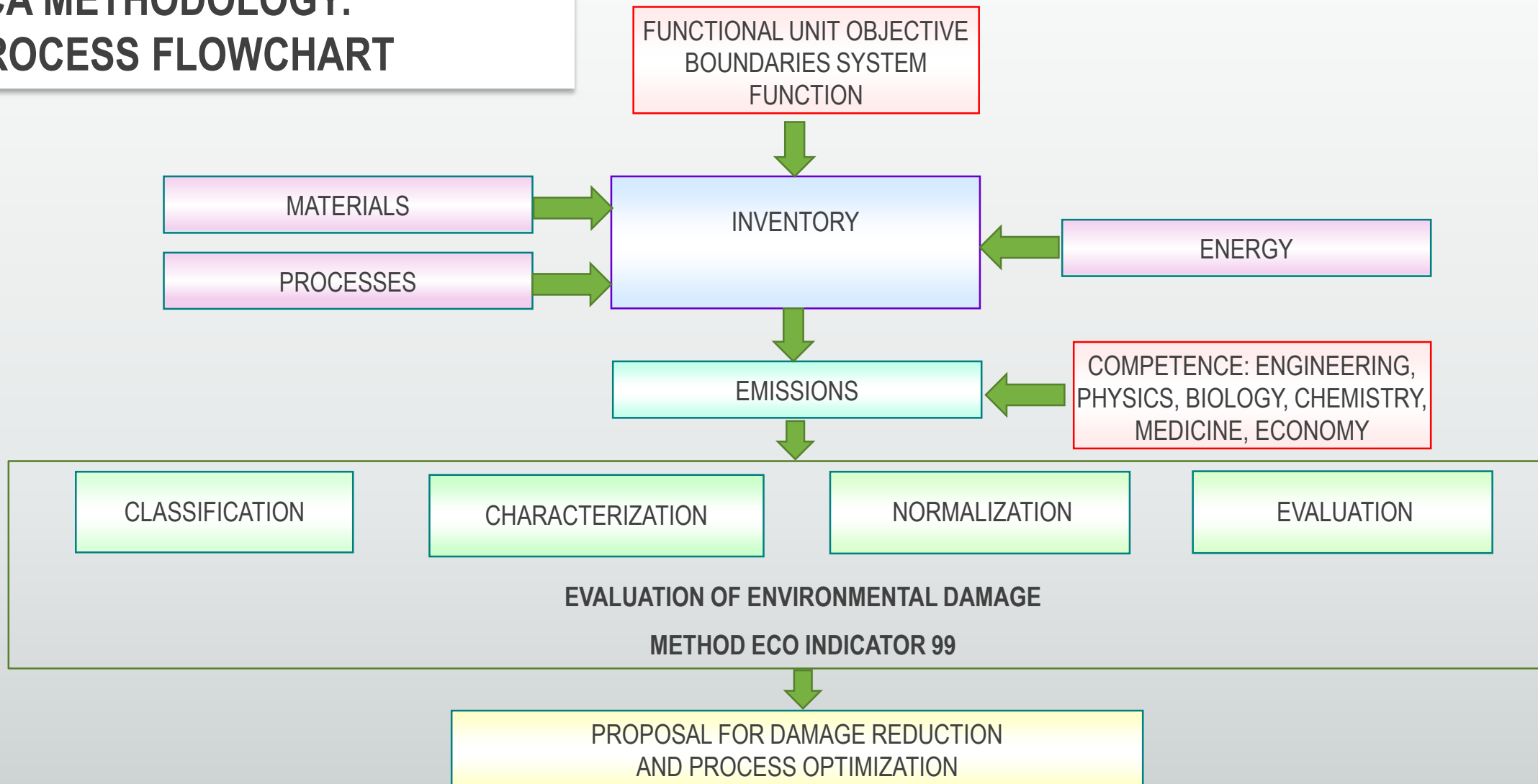
1. **Definition of goals and scope** of the study
2. **Inventory analysis** (*Life Cycle Inventory*)
3. **Evaluation of environmental impact** (*Life Cycle Impact Assessment*)
4. **Interpretation of data** (*Life Cycle Improvement*)





These phases are normalized by “**SETAC**” (Society of Environmental Toxicology and Chemistry) [www.setac.org](http://www.setac.org) and “**ISO**” [www.iso.org](http://www.iso.org) (International Standards Organization) with the standard UNI EN ISO 14040.

## LCA METHODOLOGY: PROCESS FLOWCHART





# Why a F.C.M. manufacturer should take this path?



To answer the need to communicate environmental data in a transparent and honest way

To communicate environmental data related to a product throughout the supply chain

To aim the improvement of the product environmental performance

To facilitate Eco-Design, improving already existing or new products/process

To provide guarantees to all the interested parties



# Why a F.C.M. manufacturer should take this path?



To answer the need to communicate environmental data in a transparent and honest way

Environmental communication is regulated internationally by specific standards. Those who communicate false or incomplete information about the environmental performance of their products risk being sanctioned. Be careful, no Greenwashing!

The results of an LCA study are verifiable and based on sound scientific data



# Why a F.C.M. manufacturer should take this path?



To communicate environmental data related to a product throughout the supply chain

B2B – to the food industry who wants to use primary data for its EPD and being able to control them

B2C – to the end user, because he has the right to know the real impact on the plastic container he is using.



# Why a F.C.M. manufacturer should take this path?



To aim the improvement of the product/service environmental performance

The analysis of the impact throughout the supply chain makes it possible to identify the most critical phases, allowing the adoption of specific solutions such as product/process eco-design, improving performance over time.



# Why a F.C.M. manufacturer should take this path?



To facilitate the process of improving the ranges of products with Eco-Design



In addition to supporting the modification of production processes, the results of an LCA study can influence the choices made during the design or re-design of the products themselves.



The core of the Eco-Design activity aims to ensure an optimal management of environmental features of the product already during its design, maintaining the desired chemical and physical properties.



# Why a F.C.M. manufacturer should take this path?



To provide guarantees to all the interested parties

Because we need to provide scientific data to the stakeholders, allowing them to make the right choices.

Because is incorrect to just say 'Plastic Free' without analysing the environmental impact scientifically

Because we cannot ban a product on the basis of the bad habits of a part of the consumers.

Because the interested parties need certified scientific studies and data to support what has been declared.



# How a company that produces FCM should do an environmental product declaration?

## **EPD**

Environmental Product Declaration containing all the information mandated by the *General Programme Instructions for EPD*

The following environmental impacts are reported:

Greenhouse gas emissions, use of resources, energy consumption, emissions of pollutants, other significant environmental impacts, etc.

## **PROCESS EPD CERTIFICATION**

Process certification by third party with internal EPD validation.

Allows for the organizations to develop and publish several EPDs, sampled during third party verification.

## **EPD PRE-CERTIFICATION**

The International EPD® System includes the possibility for pre-certification of EPDs as an initial step to publishing environmental information of a product during the development of a PCR for a new product category.



# Environmental performances of F.C.M. rigid packaging

## Project Profood

From the Position Paper of Rigid Packaging for Fresh Food Group, Project UNIONPLAST

### RACCOMANDAZIONE DELLA COMMISSIONE

del 9 aprile 2013

relativa a ~~relativa~~ all'uso di metodologie comuni per misurare e comunicare le prestazioni ambientali nel corso del ciclo di vita dei prodotti e delle organizzazioni

(Testo rilevante ai fini del SEE)

(2013/179/UE)

.....OMISSIS.....

La **tutela del consumatore** è da sempre un tema chiave della legislazione europea. In questo ambito la Commissione Europea ha recentemente varato un **serie di misure innovative intese a proteggere il consumatore da** attività di **greenwashing e di manipolazione** sul tema **della sostenibilità ambientale dei prodotti**. Queste misure sono state introdotte con la **RACCOMANDAZIONE DELLA COMMISSIONE del 9 aprile 2013** relativa all'uso di **metodologie comuni per misurare e comunicare le prestazioni ambientali nel corso del ciclo di vita dei prodotti**. La Commissione Europea, nelle proprie comunicazioni al Consiglio e al Parlamento Europeo, **ha ribadito la necessità** di sviluppare una "Politica integrata dei prodotti" basata sul concetto di **ciclo di vita ambientale** e che consenta agli Stati membri e al **settore privato di valutare, comunicare e confrontare le prestazioni ambientali dei prodotti** sulla base di una valutazione approfondita degli impatti ambientali nel corso del ciclo di vita ("impronta ambientale"). .....OMISSIS.....



# Environmental performances of F.C.M. rigid packaging

## Project Profood

From the Position Paper of Rigid Packaging for Fresh Food Group, Project UNIONPLAST

RACCOMANDAZIONE DELLA COMMISSIONE

del 9 aprile 2013

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ambientali nel corso del ciclo di vita dei prodotti e delle organizzazioni

(Testo rilevante ai fini del SEE)

(2013/179/UE)

.....OMISSIS.....

Il Gruppo Imballaggi Rigidi Per Alimenti Freschi di UNIONPLAST **supporta** le politiche della Commissione Europea che **individuano nell'impronta ambientale e nel metodo L.C.A. (life cycle assesement) gli strumenti più adeguati per una corretta comunicazione al consumatore** sul tema della sostenibilità ambientale dei prodotti. ....OMISSIS.....





# Our choice for EPD® PROCESS

	PRODUCT EPD	PROCESS EPD CERTIFICATION	
WHAT IS NEEDED		MANUAL FOR EPD PROCESS	
		MANUAL FOR DATA COLLECTION	
		INTERNAL VERIFICATION FORM	
		LCA / EPD	
		PROCESS EPD VERIFICATION FORM	
	LCA PROJECT	AT LEAST 1:	LCA PROJECT
	PRIMARY DATA DOCUMENTATION		PRIMARY DATA DOCUMENTATION
	REPORT LCA		REPORT LCA
	REPORT EPD		REPORT EPD



# Our choice for EPD<sup>®</sup> PROCESS

Training of staff: 3 LCA Expert in our Company  
Purchase of SimaPro Software



**CORSO INTENSIVO PER LCA EXPERT**  
EDIZIONE 2018

Il "CORSO INTENSIVO PER LCA EXPERT" è un corso su invito, a numero chiuso, realizzato per qualificare le figure professionali di LCA Practitioner e di LCA Manager attraverso un percorso formativo di alta specializzazione. È rivolto alle funzioni aziendali coinvolte nelle attività di valutazione delle prestazioni ambientali dei prodotti, nelle attività di eco-design e alle figure manageriali che hanno la responsabilità di definire la strategia per lo sviluppo di nuovi prodotti e per l'approdo al "green marketing". Il corso intensivo si focalizzerà sull'approfondimento delle norme e della certificazione/asseverazione dei prodotti secondo i diversi modelli internazionali di valutazione ambientale e fornirà una conoscenza avanzata su SimaPro il software più diffuso per gli studi LCA. I partecipanti conseguiranno la qualifica di LCA EXPERT presentata in pubblico il project work, sviluppato durante il corso con il supporto di docenti e tutor.

**ORGANIZZAZIONE**  
Il Corso è organizzato da Quota Sette Srl in collaborazione con ApE - Laboratorio di Elettrochimica Applicata dell'Università degli Studi di Milano.

**QUOTA D'ISCRIZIONE**  
La quota d'iscrizione è di € 2.800,00 + IVA comprensiva del materiale didattico.

**PARTICIPANTI**  
15 posti disponibili  
L'Università degli Studi di Milano mette a disposizione:  
1 posto gratuito riservato ai ricercatori del Dipartimento di Chimica  
2 posti a quota simbolica di € 100,00 destinati a persone esterne (supplementazione di curriculum vitae, sollecitazione degli organizzatori del corso).

**EDIZIONE DEL CORSO**  
Il percorso formativo è rivolto alla qualifica di esperti LCA, un ambito fortemente innovativo per un livello di specializzazione al momento non ancora diffusa nella struttura aziendale. Per quest'anno non sono previste edizioni del corso con periodicità annuale.

**DURATA DEL CORSO**  
10 incontri totali presso l'Università degli Studi di Milano  
9 giornate di formazione in aula  
2 giornate di attività da remoto per la supervisione del progetto di fine corso  
1 seminario di presentazione dei progetti di fine corso (data da definire con i corsisti)

**CALENDARIO**

FASE DEL CORSO	DATE	DOCENTI
FASE 1 + 3	07-13-14 settembre 2018 12 ottobre - 19 novembre 2018	Professori UNIMI e Docenti di Quota Sette srl
FASE 2	17-19-27-28 settembre 2018	Leo Breinveld 2B
SUPERVISIONE DEL PROGETTO	19 dicembre 2018 seminario di presentazione dei progetti (*)	Paolo Simon Ostan Ingegnere Ambientale

(\*) per la supervisione dei progetti le date vengono concordate con i partecipanti al corso.

**ATTESTATI**  
Al termine del corso verrà rilasciato un Attestato di Frequenza per la Fase 1 ed un Attestato di Qualifica correlato ai risultati ottenuti con il progetto di fine corso.

**ORGANIZZAZIONE DEL CORSO:**

**QUOTA SETTE / INNOVAZIONE CONSULTING DIREZIONE FORMAZIONE**

**SPONSOR UFFICIALE:**

**UNIVERSITÀ DEGLI STUDI DI MILANO**  
DIPARTIMENTO DI CHIMICA

**Laboratory of Applied Electrochemistry**

**CON LA COLLABORAZIONE DI:**

**2B**



**SimaPro**

**ATTESTATO DI QUALIFICA LCA EXPERT**

Si attesta che  
*Mauro Biasiolo*  
ha superato la prova finale del Corso Intensivo per LCA EXPERT, percorso formativo per la qualificazione di esperti in LCA.

Il Corso, organizzato da Quota Sette Srl e con la sponsorizzazione ufficiale di ApE - Laboratorio di Elettrochimica Applicata del Dipartimento di Chimica dell'Università degli Studi di Milano, si è svolto in 8 giornate di formazione in aula e 2 giornate di supervisione da remoto per la realizzazione del Project Work finale con il seguente programma:

- MODULO 1: SEMINARI INTRODUTTIVI AL LIFE CYCLE THINKING E NORMATIVA ISO SERIE 14040
- MODULO 2: LA NORMATIVA DI RIFERIMENTO, IL SOFTWARE ED IL PROCESSO LCA
- MODULO 3: INTERPRETAZIONE E REVIEW DEGLI STUDI LCA

Il Direttore del Corso  
**Dr. Anna Bortoluzzi**

Il Responsabile del Laboratorio ApE  
**Prof. Sandra Rondinini**

**SimaPro**



SimaPro Tutorial



# Our choice for EPD® PROCESS

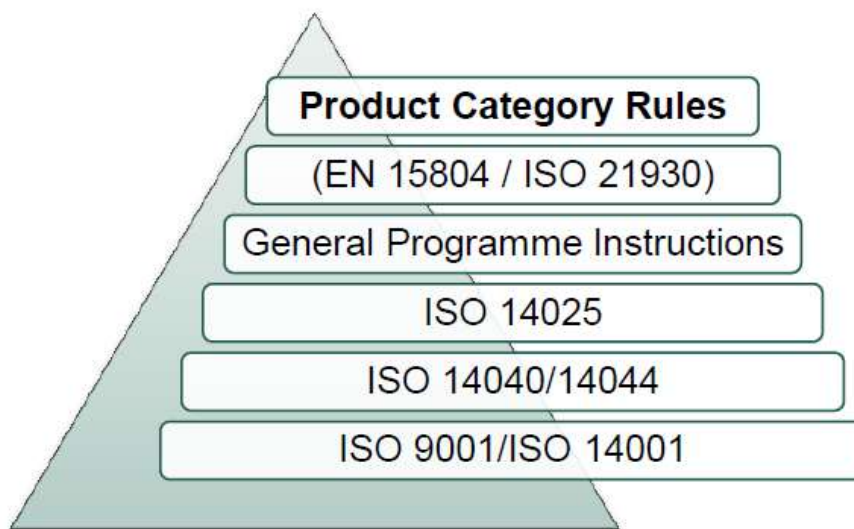
Study of reference standards  
Study of GPI and PCR

NORMA EUROPEA	Etichette e dichiarazioni ambientali Dichiarazioni ambientali di Tipo III Principi e procedure	UNI EN ISO 14025
	Environmental labels and declarations Type III environmental declarations Principles and procedures	NOVEMBRE 2010
NORMA EUROPEA	Gestione ambientale Valutazione del ciclo di vita Principi e quadro di riferimento	UNI EN ISO 14040
	Environmental management Life cycle assessment Principles and framework	OTTOBRE 2006 Versione bilingue del dicembre 2007



EPD®  
DRAFT VERSION FOR OPEN CONSULTATION

DRAFT PCR FOR  
OPEN CONSULTATION



ANNA BORTOLUZZI  
SUSANNA CAPROTTI  
PAOLO SIMON OSTAN

COPIA



## EASY GUIDE

TO SUSTAINABLE PRODUCTS  
COMMUNICATION  
AN ALTERNATIVE TO GREENWASHING

GUIDA ALLA COMUNICAZIONE  
DEI PRODOTTI SOSTENIBILI  
UN'ALTERNATIVA AL GREENWASHING

INTRODUZIONE / INTRODUCTION  
BRUNO SPOZIO

CON IL CONTRIBUTO PER LA COMUNICAZIONE AMBIENTALE /  
CONTRIBUTION ON ENVIRONMENTAL COMMUNICATION:  
GLORIA MILAN

EDIZIONE SPECIALE PER

**ISAP**  
PACKAGING



# Our choice for EPD<sup>®</sup> PROCESS

## Writing a Feasibility Report

	Report di fattibilità		D-EPD.03	
			Ed.1	Rev. 0
			Pag. 1 di 5	

### Tipologia di intervento

- ☒ Nuova EPD
- ☐ Aggiornamento EPD in scadenza
- ☐ Aggiornamento EPD per variazione impatti  $\pm 10\%$
- ☐ Aggiornamento volontario EPD (prima della scadenza, es. per modifiche/integrazioni/correzioni)

### 1. Informazioni generali in entrata *(da compilare a cura del team di pianificazione strategica)*

#### 1.1 Sviluppo nuova EPD *(da compilare solo nel caso di nuova EPD)*

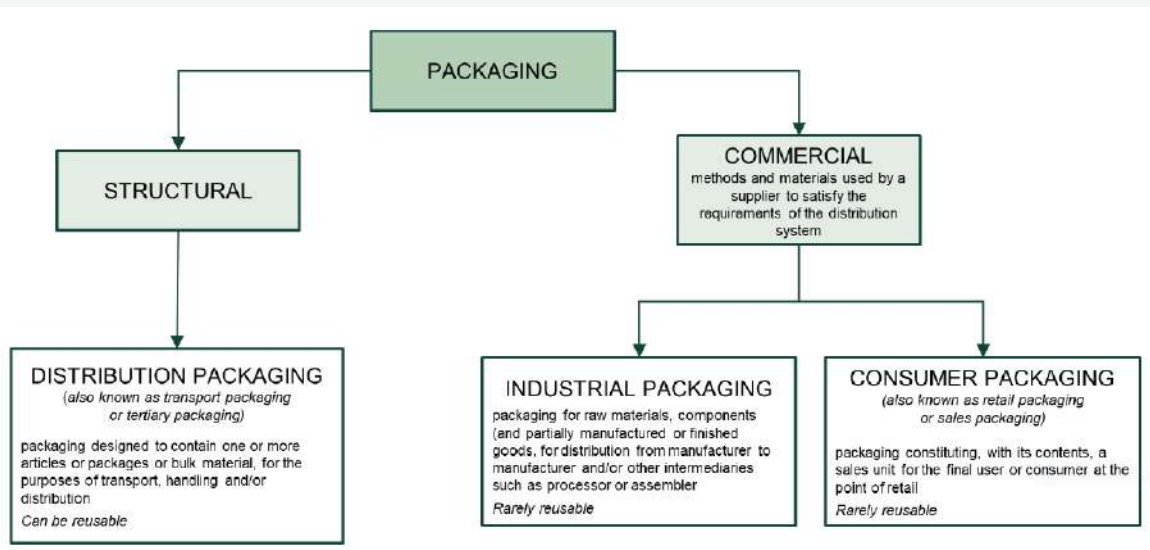
Tipologia di EPD da sviluppare





# Our choice for EPD® PROCESS

## Preparation of master flowcharts



### Core exclusions

Manufacturing of production equipment, buildings and other goods.

Staff business trips.

Staff commuting.

### Downstream exclusions

Phase of product use (domestic use)

Life cycle stage	Life cycle module	Life cycle module group	EPD type	
			Declared unit: Cradle-Gate,  Cradle-Gate with options	Functional unit: Cradle-Grave
Upstream	A1) Raw material supply	A1-A3) Product stage	Mandatory	Mandatory
Core	A2) Transport			
	A3) Manufacturing			
Downstream	A4) Transport to forming or filling	A4-A5) Forming stage	Optional, or Mandatory if final forming is outside of company boundaries	Mandatory
	A5) Forming (*) (if final forming is outside of company boundaries)			
	B1) Filling operation	B1-B4) Use stage	Optional	Mandatory
	B2) Distribution of filled packaging			
	B3) Transport to reconditioning			
	B4) Reconditioning (**)			
	B5) Transport to re-filling point	C1-C4) End of life stage	Optional	Mandatory
	C1) Disassembling / sorting			
	C2) Transport to final waste processing			
	C3) Final waste processing/disposal			

(\*) Both phase A3 and phase A5 (if present) are to be considered packaging production phases. In fact, packaging production is considered completed only upon conclusion of all the phases that will allow the product to accomplish its final function for the intended use.

(\*\*) Reconditioning<sup>6</sup>: operations necessary to restore a reusable packaging to a functional state for further reuse.

Table 2

### IL PROCESSO PRODUTTIVO: CONFINI DEL SISTEMA

UPSTREAM



CORE



DOWNSTREAM



# Our choice for EPD<sup>®</sup> PROCESS



Training and involving Data Owners

They are the persons in charge of the process.  
They propose improvements supported by short studies

## Purchases

- Raw material & transport
- Auxiliaries & transport
- Packaging & transport

## Environmental Controls

- Wastes
- MUD

## Maintenance

- Maintenance
- Spare parts
- Auxiliaries

## Programming

- Bill of materials
- Detail on produced pieces

## Logistics

- Internal transport
- Transport to customers

## General Services

- Energy consumption
- Water consumption

## Raw material Managing

- Preparation and consumption of raw materials

## Administration

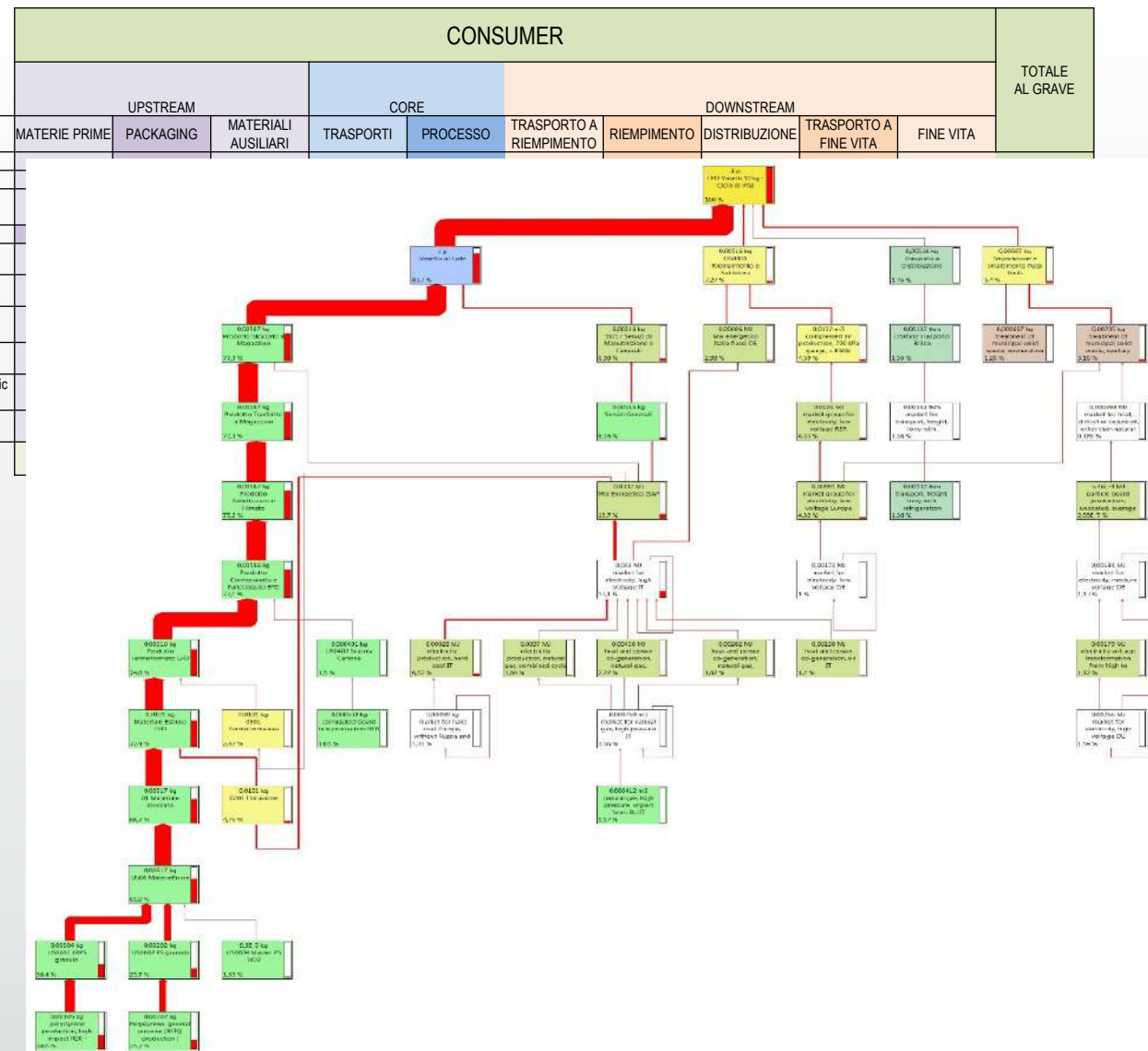
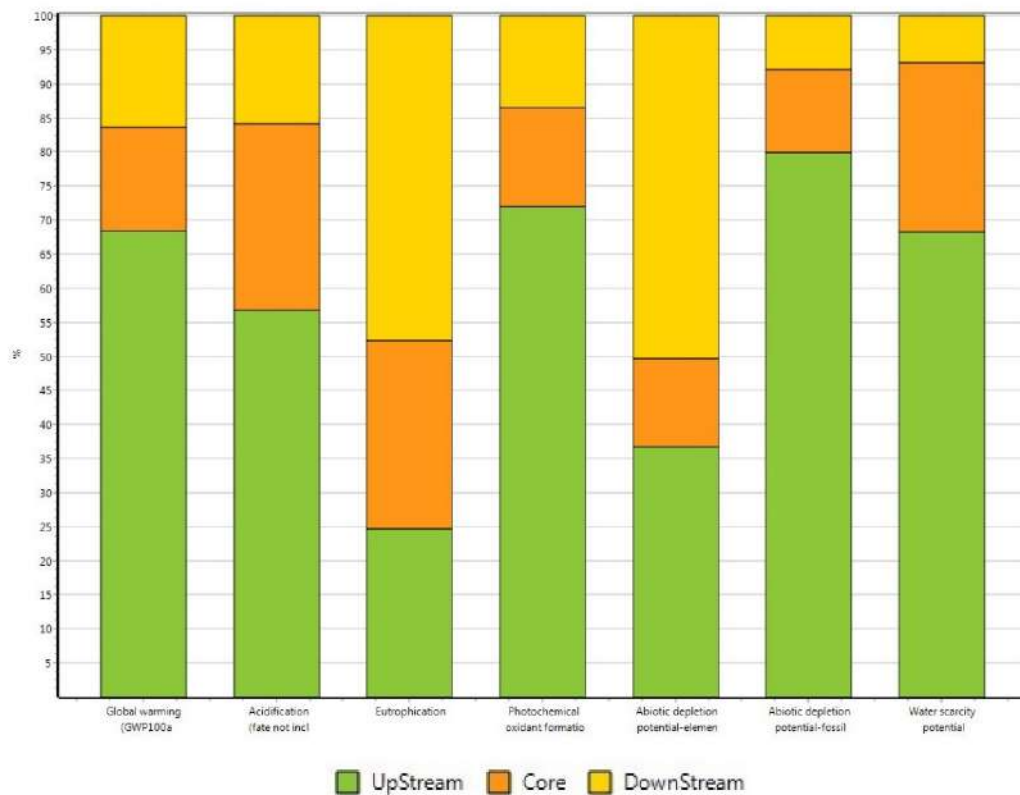
- Invoices



# Our choice for EPD® PROCESS

## DESIGNING THE LCA MODEL DATA PROCESSING IN SimaPro

		UNIT
Global Warming Potential (GWP)	Fossil	kg CO <sub>2</sub> eq.
	Biogenic	kg CO <sub>2</sub> eq.
	Land Use and land trasformation	kg CO <sub>2</sub> eq.
	Total	kg CO <sub>2</sub> eq.
Acidification Potential (AP)		kg SO <sub>2</sub> eq.
Eutrophication Potential (EP)		kg PO <sub>4</sub> <sup>3-</sup> eq.
Formation Potential of tropospheric Ozone (POCP)		kg C <sub>2</sub> H <sub>4</sub> eq.
Abiotic depletion potential - Elements		kg Sb eq.
Abiotic depletion potential - Fossil fuels		MJ, net calorific value
Water scarcity potential		m <sup>3</sup> eq.





# Our choice for EPD<sup>®</sup> PROCESS

## Writing the LCA Report

The LCA Report is mandatory and must be written in compliance with the reference standards.

It is written step by step as the LCA model is designed on software to detail all the assumptions made.

	REPORT LCA	Ed. 0 del 00/00/2018 Rev. del 11/09/2019 Pagina 0 di 98
ISAP PACKAGING S.p.A.		

## Report LCA

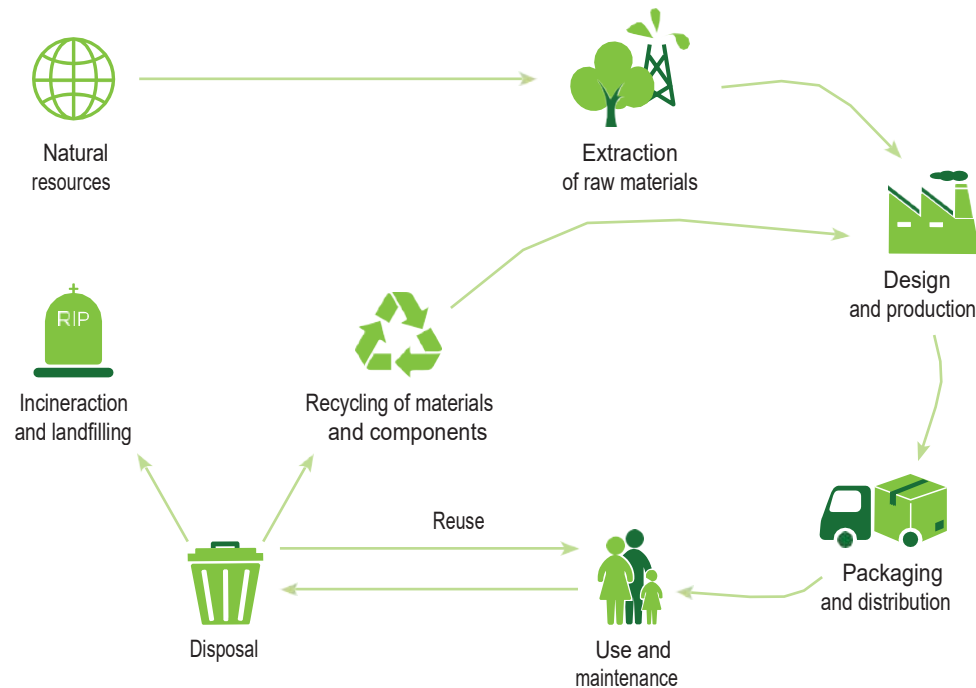
## Sommario

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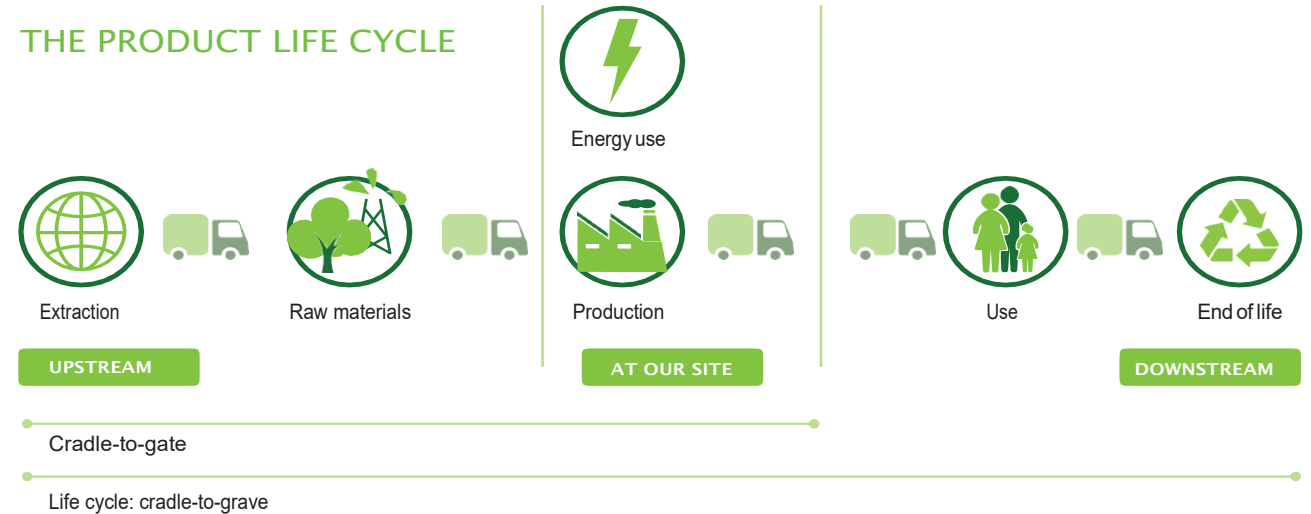


# Our choice for EPD<sup>®</sup> PROCESS

## EPD PREPARATION



### THE PRODUCT LIFE CYCLE



### INFOGRAPHICS PUBLISHED ON EASY GUIDE

# EASY GUIDE

TO SUSTAINABLE PRODUCTS  
COMMUNICATION  
AN ALTERNATIVE TO GREENWASHING





# Our choice for EPD® PROCESS



## EPD PREPARATION



- [EPD template - Construction products \(EN 15804\)](#)
- [EPD template - All other product categories](#)

*This template is intended as a voluntary best practice template. The template does not override the mandatory requirements as set by the PCR.*

[www.environdec.com](http://www.environdec.com)

## Environmental Product Declaration

In accordance with ISO 14025 for:

**[Product name]**

from

**[Company name]**

[Company logotype]

Programme:

Programme operator:

EPD registration number:

Publication date:

Valid until:

The International EPD® System, [www.environdec.com](http://www.environdec.com)

EPD International AB

S-P-0XXXX

2018-XX-YY

202X-XX-YY

[Product image]





# Our choice for EPD® PROCESS

We have trained LCA Practitioner able to manage the processes of our Company

The International EPD® System is the most widely used programme for environmental declaration based on UNI EN ISO 14025.

It is possible to develop and certify the PROCESS EPD.

In this case the object of the certification is not the single Environmental Product Declaration, but the process of preparing Environmental Declarations within the Organization.

To do this, a **Documented Management System** must be developed

## PROCESS EPD CERTIFICATION

MANUAL FOR EPD PROCESS

MANUAL FOR DATA COLLECTION

INTERNAL VERIFICATION FORM

LCA / EPD

PROCESS EPD VERIFICATION FORM

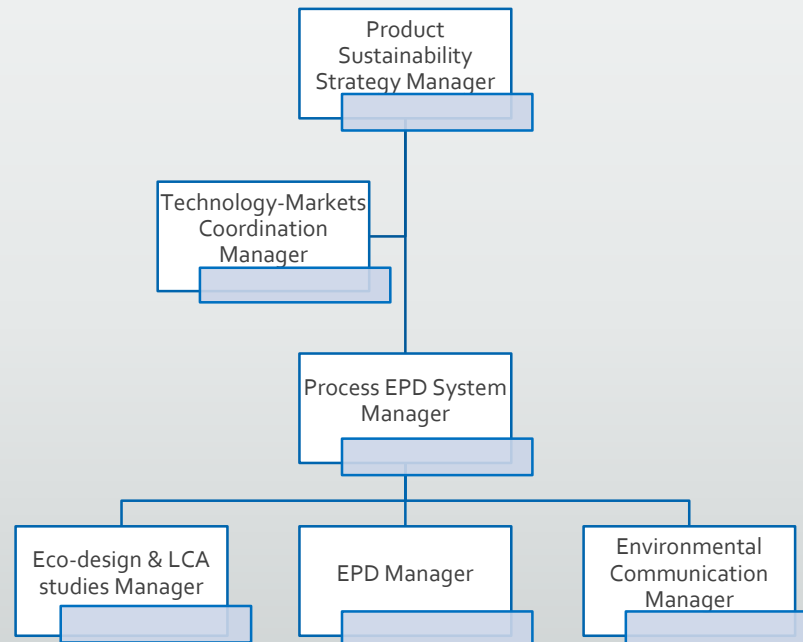
AT LEAST 1:	LCA PROJECT
	PRIMARY DATA DOCUMENTATION
	REPORT LCA
	REPORT EPD



# EPD® PROCESS AND COMMUNICATION

## ISAP PACKAGING S.p.A. ENVIRONMENTAL COMMUNICATION: PROJECT FOR RENOVATION

### ISAP SUSTAINABILITY DEPARTMENT



Environmental communication in ISAP will refer to the UNI ISO 14063 standard

This standard defines the communication activities in this sector, based on the following 5 fundamental principles:

- ☐ Transparency
- ☐ Appropriateness
- ☐ Credibility
- ☐ Responsiveness
- ☐ Clarity

NORMA ITALIANA	Gestione ambientale Comunicazione ambientale Linee guida ed esempi	UNI ISO 14063
	Environmental management Environmental communication Guidelines and examples	APRILE 2008





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