



# ECO PLATFORM - AN EUROPEAN SUSTAINABLE TOOL

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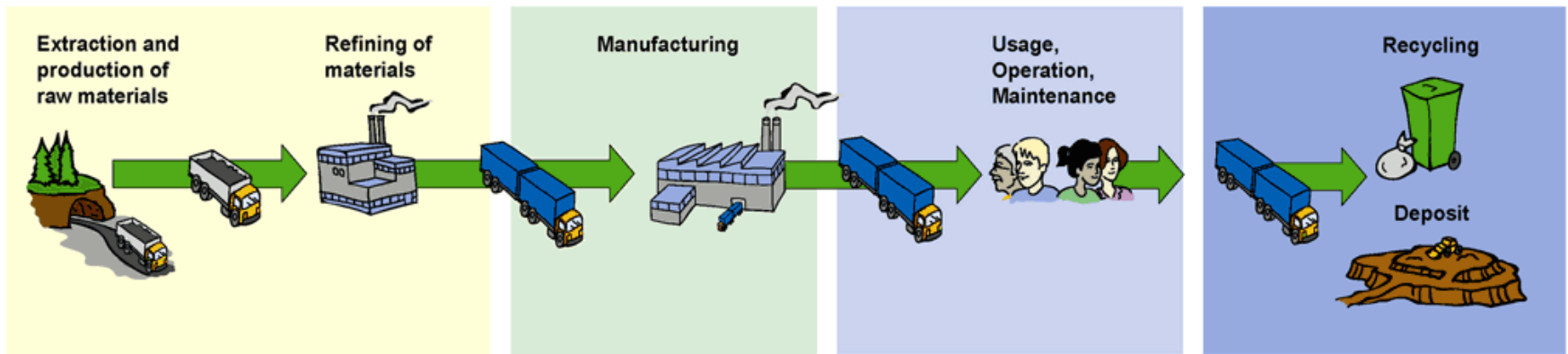
President, Pan-European ECO  
Platform

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## WHAT IS AN EPD?

- EPD = Environmental Product Declaration
- A document describing the environmental performance of a product in quantitative terms based on an LCA
- A voluntary tool
- No pre-determined threshold values to meet (as in Eco-labelling)
- Credible third-party verification to guarantee full reliability
- International referenced as ISO 14025

# THE RECOGNITION OF CONSIDERING THE FULL PRODUCT LIFE CYCLE



**Cradle-to-grave**

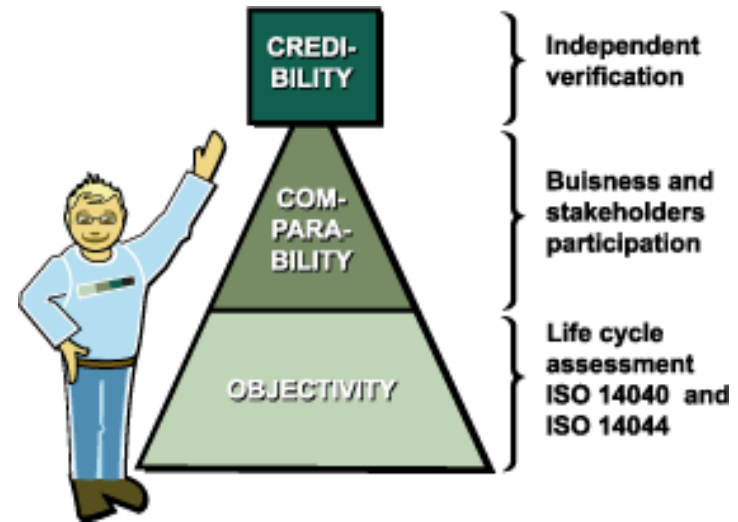


**Cradle-to-gate**



## CHARACTERISTICS OF AN EPD

1. Objective
2. Transparent
3. Comparable
4. Possible to add up information in the supply chain
5. Awareness-raising leading to better environmental understanding among staff and employees leading to a better competitive edge





## WHAT ARE PRODUCT CATEGORY RULES (PCR)?

- A detailed description of
  - Calculation rules to follow according to LCA
  - Format for reporting
- Necessary information for preparing an EPD
- Are developed in a fully transparent way often in close co-operation with experts from the business sector
- Validity for 3-5 years before being revisited and (eventually)

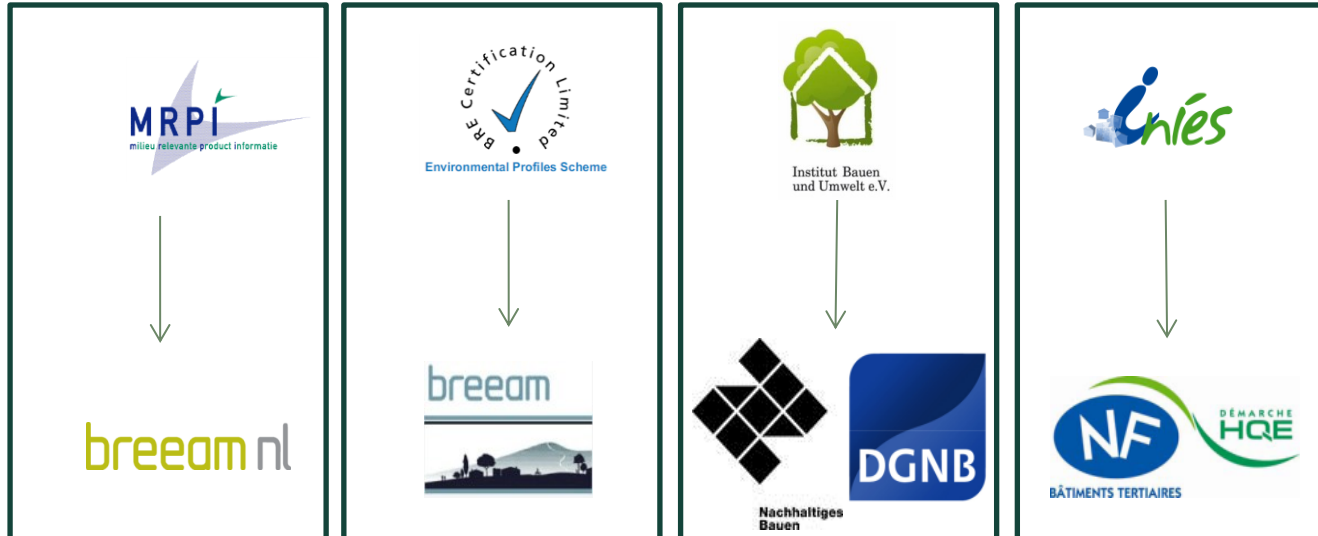


## WHAT IS A PROGRAMME FOR EPDs?

- The rationale for an EPD programme should follow ISO 14025 and EN 15804
- The task of a Programme Operator (PO) is to develop and guarantee the existence and public availability of a programme which is independent and transparent including:
  - Programme instructions for developing PCRs
  - Rules for verification
  - A public registry of existing PCRs
  - A public library of registered

# PRESENT SITUATION OFTEN LEAD TO MARKET CONFUSION

as EPDs from different EPD programmes ...



... seem to adapt international standards and regulations in a somewhat different way



## FOUNDING OF THE ECO PLATFORM

- MoU was signed in September 2011 in Brussels
- 26 parties from 16 European nations
- Founding of three Working Groups to start working on a common understanding in the way to prepare and verify EPDs according to EN 15804



## MOTIVATION FOR THE ECO PLATFORM

- Support the provision of unbiased, credible, consistent and scientifically sound information in form of EPDs for construction products
- Reduce EPDs' production cost to a minimum for manufacturers across Europe

### HARMONIZATION



Mutual agreement on European core EPD

Reduced effort for industry one EPD for Europe

### LIFECYCLE APPROACH



Based on harmonized standards

Taking into account all phases of product lifecycle

### VOLUNTARY CHARACTER



No legal obligation to create EPDs

No artificial thresholds set

### COMMUNICATON



EPDs enable credible communication with construction value chain on sustainability impacts

## THE ASPIRED SOLUTION



EPDs from different EPD programmes are based on the same agreed-upon concepts and can be comparable

ECO PLATFORM WAS ESTABLISHED ON JUNE 4,

2017  
Established programmes participating as Founding Members:

1. INIES (France)
2. IBU (Germany)
3. MRPI (Netherlands)
4. EPD Norge (Norway)
5. ITB (Poland)
6. DAP Habitat (Portugal)
7. ZAG EPD (Slovenia)
8. DAPc (CATEEB, Spain)
9. Global EPD (AENOR, Spain)
10. Environdec System (Sweden)
11. BRE Global (UK)



## ECO PLATFORM ORGANIZATION

- The ECO Platform consists of:
  - **General Assembly / Board**  
(established EPD programs + Construction Products Europe, CPE)
  - **Working Group I** (open for all members)  
responsible for content, format and technical background of EPDs
  - **Working Group II** (open for all members)  
responsible for common quality system
  - **Working Group III** (open for all members)  
responsible for communication (e.g. with EC and industry)

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## ECO PLATFORM PRINCIPLES

The ECO Platform...

- is based on voluntary support and has a very lean structure to cause minimum effort
- will function as umbrella organization of European EPD programmes
- is open for members from European Trade Associations, LCA Practitioners and Green Building Councils (BGCs)
- is an European non-profit organization (AISBL)
- does not act as EPD programme or programme operator in itself

## OVERALL OBJECTIVES OF THE ECO PLATFORM

- Establish new voluntary business activities to prevent unnecessary EU Regulations in areas where market requirements expect the industry sector to move on by its own and take full responsibility of its environmental impact
- Find an attractive approach where different EU stakeholders can work together to harmonize the interpretation and use of ISO and EU standards in the building sector
- By the strong ambition to voluntary work together in the environmental arena to gain recognition by the market to act in a consistent manner to fulfil its obligation according to the EU 2020 sustainability



## DETAILED OBJECTIVES OF THE ECO PLATFORM WORK

- Develop robust and consistent requirements of what to include in a "core EPD" based on ISO 14025 och EN 15804 (different EPD programmes are allowed to cover information of local concern)
- Suggest a common reporting format for EPDs in the European building sector
- Establish a mutually-agreed process for quality assurance and verification of ECO Platform EPDs
- Definition of rules for mutual recognition across Europe of this EPDs' core-data

## ADVANTAGES AND OPTIONS FOR THE FUTURE

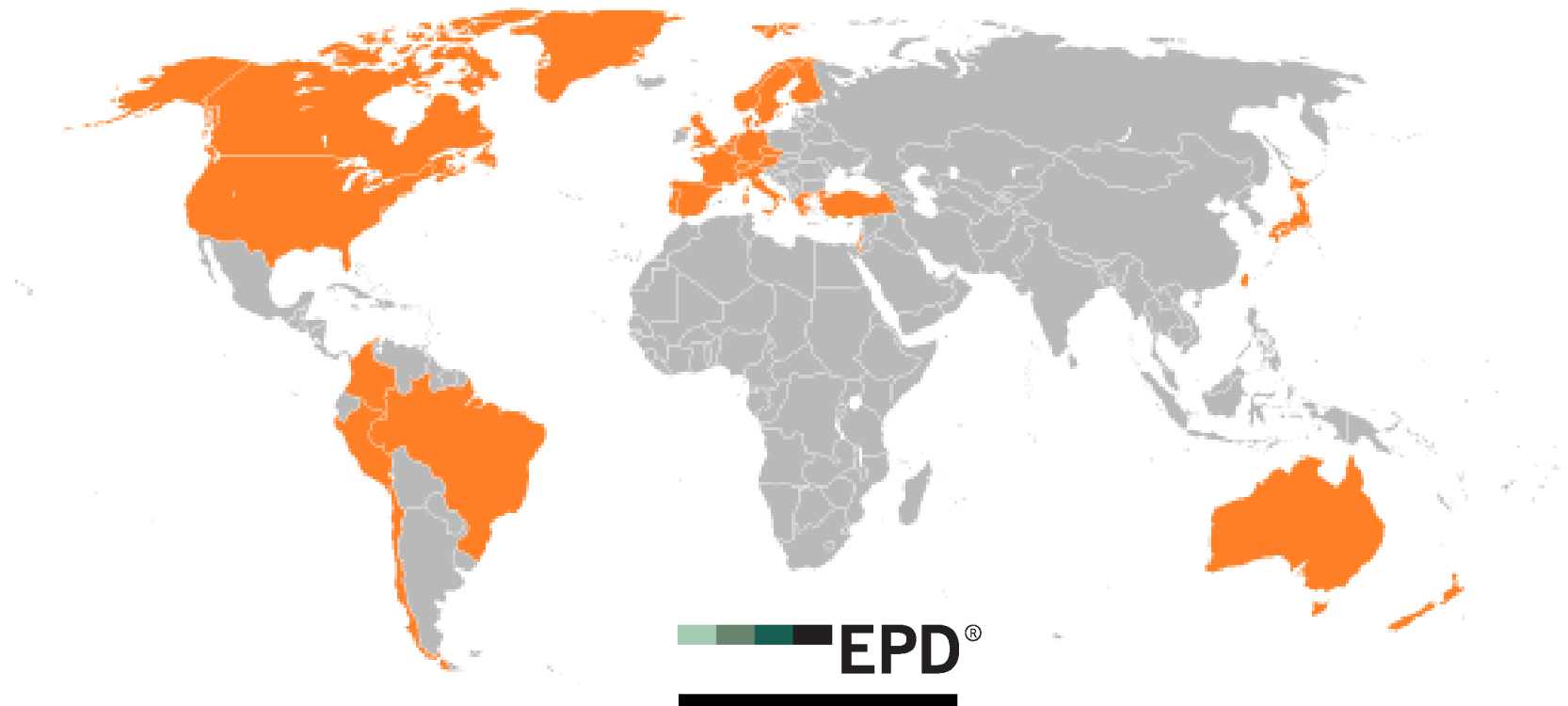
- To accommodate different market requests for credible and quantified environmental information of goods and services
- Offer ready-made and verified information well-suited for public procurement
- Provide factual-based and comprehensive information for different communication activities, annual reports etc.
- Better in-house knowledge of the possibility to improve environmental performance of own

## THE INTERNATIONAL EPD® SYSTEM

- Having the same objectives as the ECO Platform, but on a global context covering all types of goods and services
- The world's first programme of it's kind according to existing standards and the only present international system
- The most comprehensive programme open for all goods and services including international accepted GPCs for more than 150 products  
EPD's requirements around the world

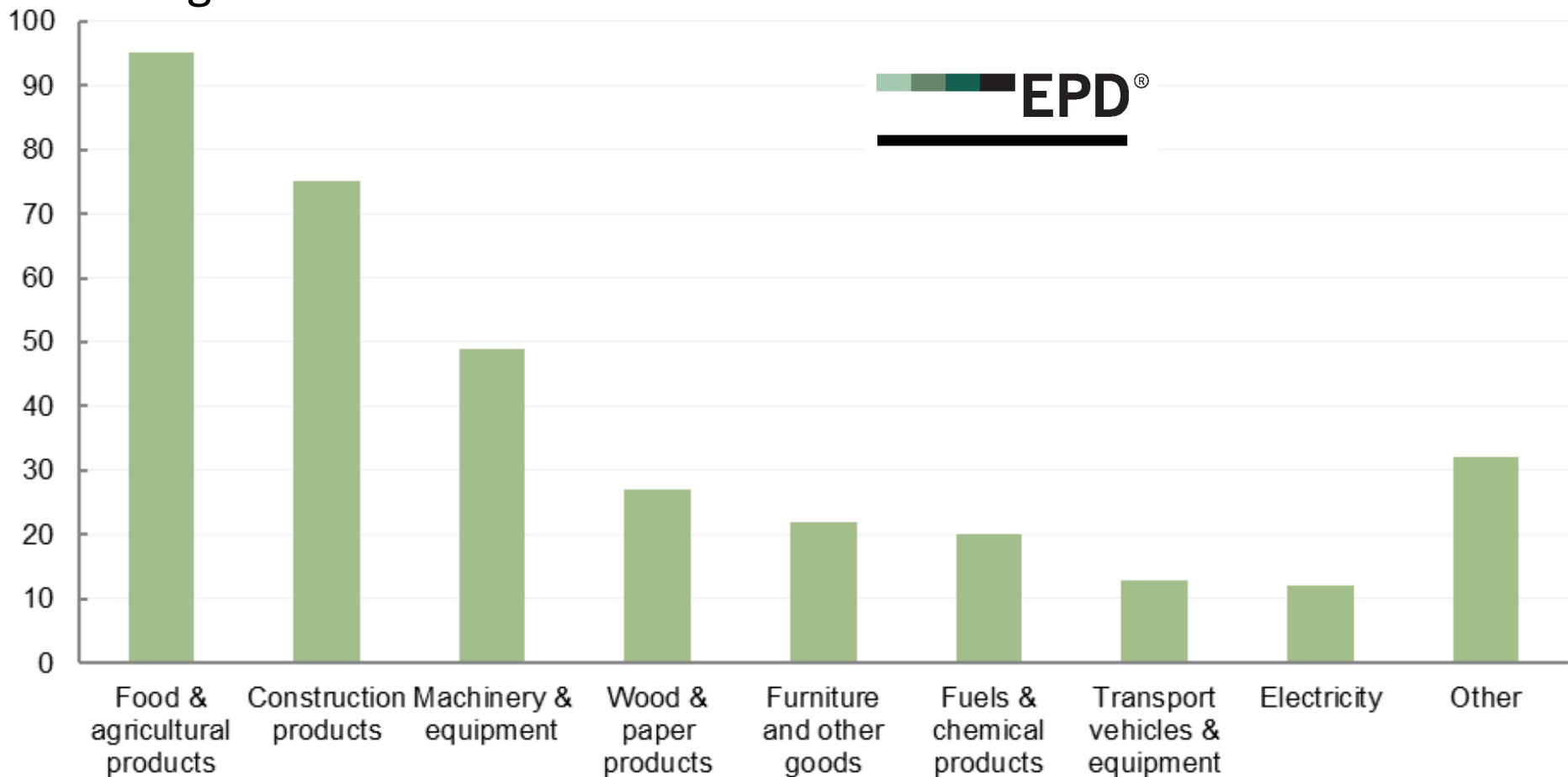


## Current worldwide coverage of the International EPD<sup>®</sup> system



Different of co-operations both with countries and regions either having no EPD programme as well with those having one

## The International EPD<sup>®</sup> system – coverage for different product categories



**ENVIRONMENTAL PRODUCT DECLARATION**  
in accordance with EN 15804 and EN 15805

**Weber**  
Multipurpose Floor Insulation

EPD VERIFIED

EPD VERIFIED

**weber**  
SANT-GOBAIN

Italcementi Group EPD  
A world class local business

**ALIPRE · ALICEM**

**EPD**  
Environmental Product Declaration

EPD

DECLARACION AMBIENTAL DE PRODUCTO  
EGO\_CLT de pino radiata

**egoin**

EPD

Dichiarazione Ambientale Cemento

**Buzzi Unicem**

**ENVIRONMENTAL PRODUCT DECLARATION**  
in accordance with EN 15804 and EN 15805

G2-Quartz  
Gypsum Wallboard

EPD VERIFIED

**British Gypsum**

EPD  
Cendec

ENVIRONMENTAL PRODUCT DECLARATION  
in accordance with EN 15804  
PRODUCT CATEGORY RULES AND PRE-DEFINED PROCEDURES  
EN 15804 AND EN 15805 FOR THE SECTOR OF CEMENTS AND CEMENT PRODUCTS

**fatra**

ENVIRONMENTAL PRODUCT DECLARATION  
in accordance with EN 15804  
PRODUCT CATEGORY RULES AND PRE-DEFINED PROCEDURES  
EN 15804 AND EN 15805 FOR THE SECTOR OF CEMENTS AND CEMENT PRODUCTS

**Proxim S.A. - PIME E**

EPD

Declaración Ambiental de Producto  
CILINDROS DE MADERA TRATADA PARA EXTERIORES

**protec** Naturalmente madera

S.P.00083

**DECLARACION AMBIENTAL DE PRODUCTO**  
in accordance with EN 15804 and EN 15805

**Mikelit**

**EPD**

1m<sup>2</sup> de mosaico de vidrio ref. 103 y 504  
Formato de pegado HT-K  
Formato de pegado en papel

EPD  
Cendec

ENVIRONMENTAL PRODUCT DECLARATION  
in accordance with EN 15804  
PRODUCT CATEGORY RULES AND PRE-DEFINED PROCEDURES  
EN 15804 AND EN 15805 FOR THE SECTOR OF CEMENTS AND CEMENT PRODUCTS

**fatra**

Steel reinforcement products for concrete

**celsa** **steelservice**

**EPD**

**CELSA STEEL SERVICE S.A.**  
C/Alfonso XIII, 10  
41013 San Juan de los Rios (Sevilla)  
T: +34 954 21 21 21  
F: +34 954 21 21 21  
www.celsasteelservice.com

**ENVIRONMENTAL PRODUCT DECLARATION**  
PORTLAND CEMENT - CEM I 52.5 R

**EPD**



Global Environmental Declarations network

## **GEDNET - ANOTHER APPROACH FOR INTERNATIONAL HARMONIZATION**

**An international discussion forum about EPDs but no close practical co-operation**

- Created based on Japanese initiative 1999 including some 10 programme global POs
- Offers an open platform for exchanging experiences on EPD work between different EPD programme operators with input on necessary activities to be taken in future international standardization work for better harmonization



**THANK YOU FOR YOUR ATTENTION**

**If I can be of any help and future assistance, please contact me at:**

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