Life Cycle Assessment and Environmental Product Declarations, where are we going?

Present and future of EPDs and PLCA in Europe

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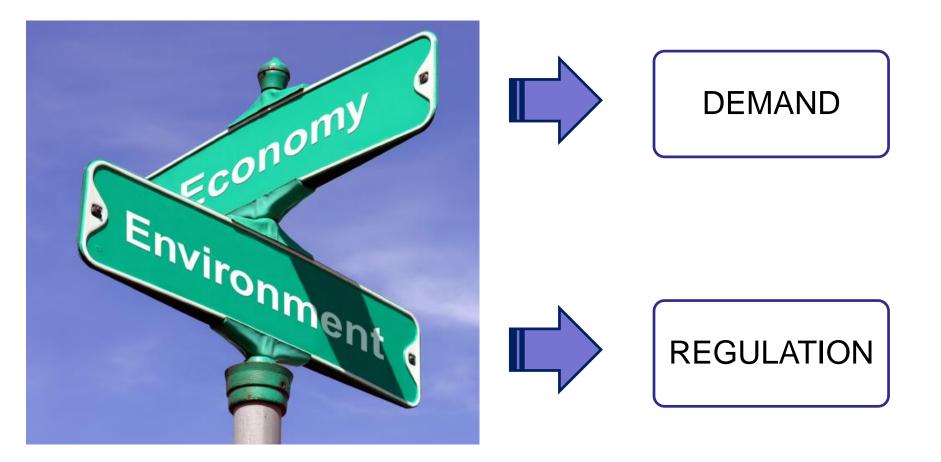
EN ISO 14025:2010 EN 15804:2012

Código de designación: GlobalEPD 001-001 rev. 1 ECO EPD Ref. n°: Fecha de primera emisión: 2014-10-01 Fecha de esta emisión: 2014-10-01 Fecha de esta emisión: 2014-00-01



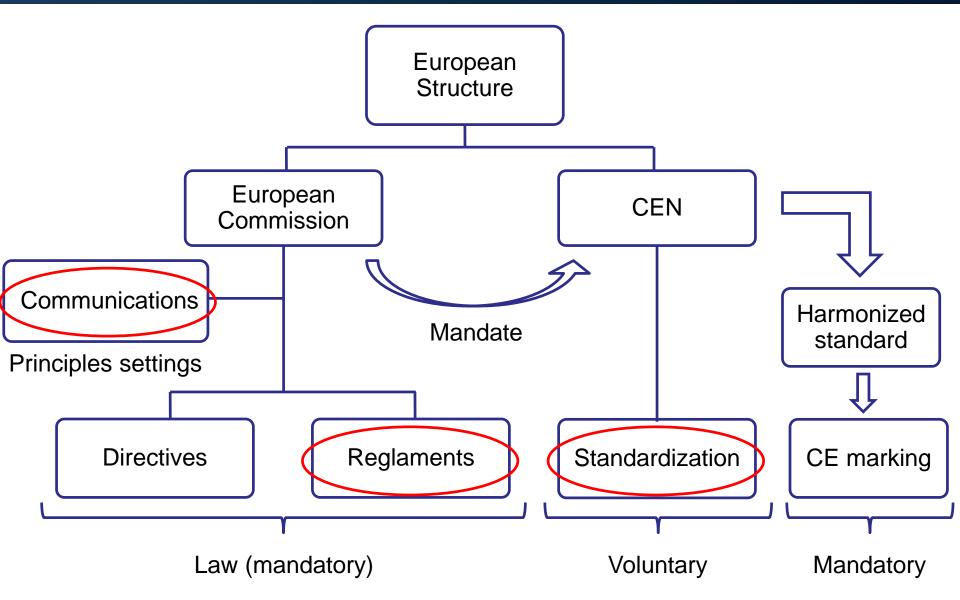


INTRODUCTION: MARKET DRIVERS



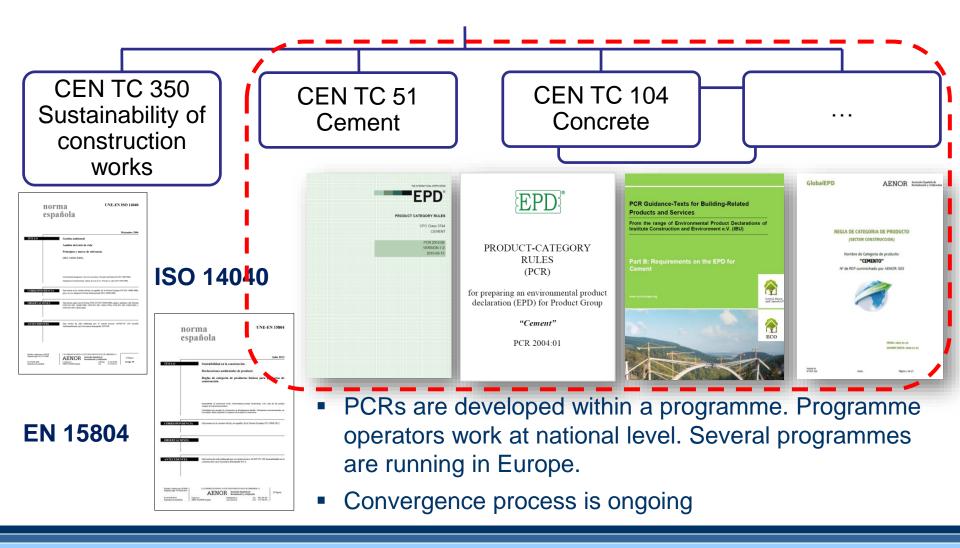


REGULATION: EUROPEAN STRUCTURE



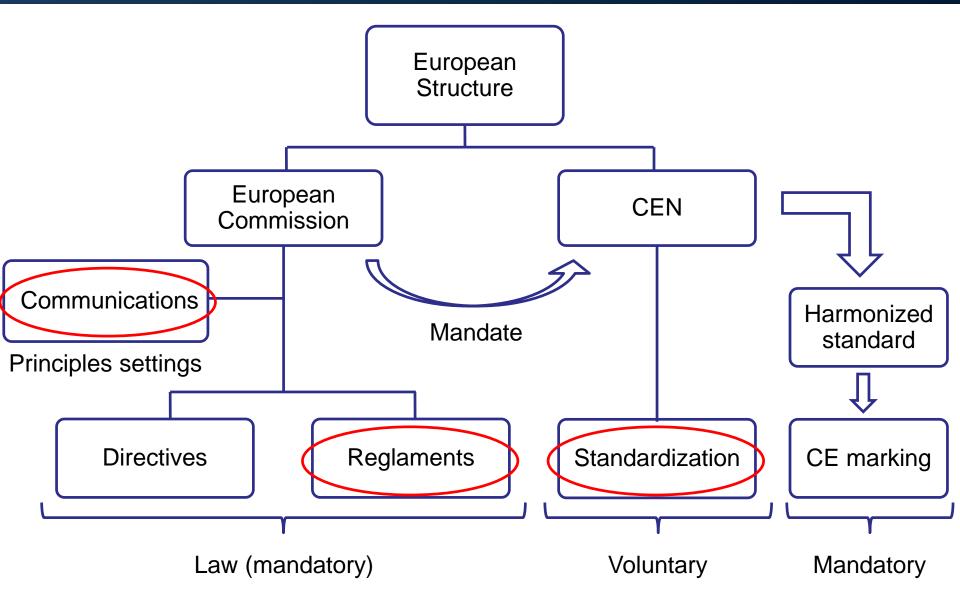


REGULATION: STANDARDIZATION



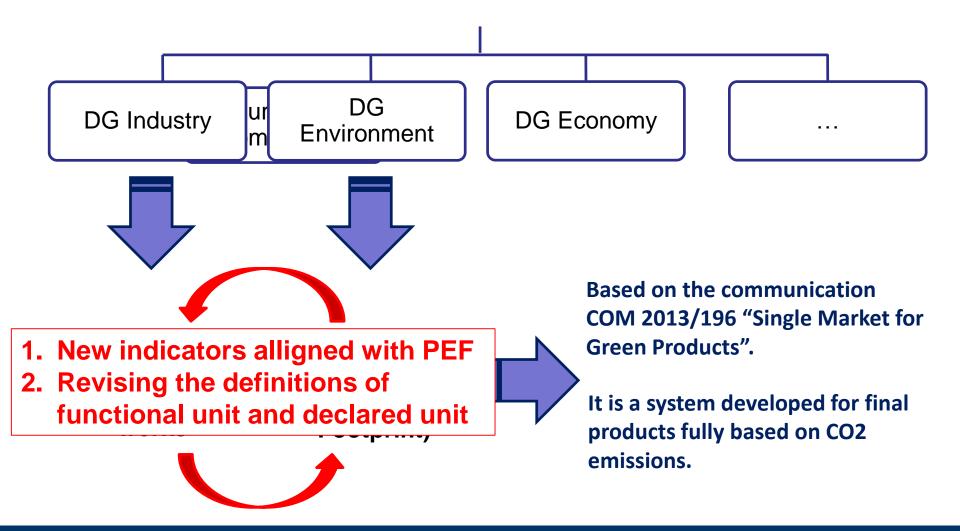


REGULATION: FUTURE OF EPDs



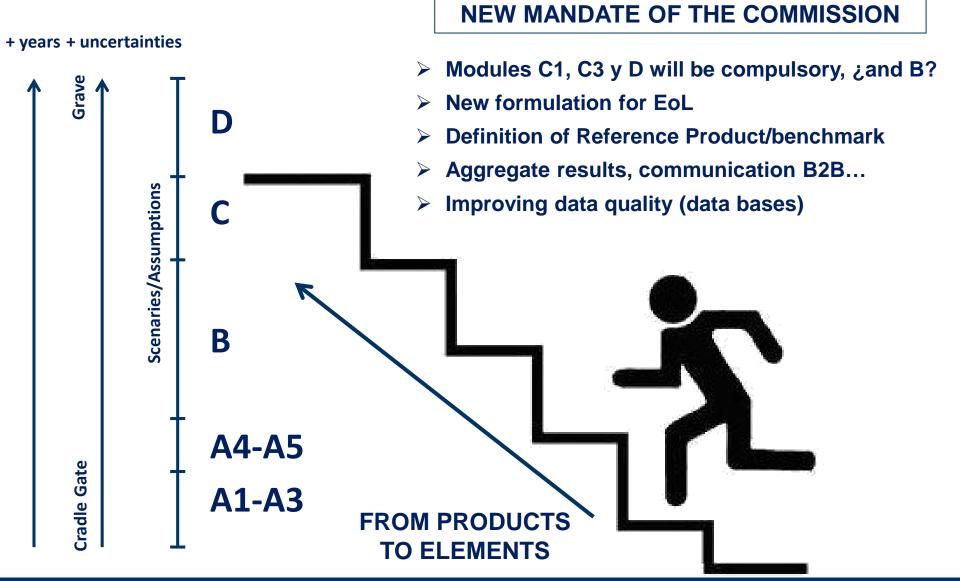


REGULATION: FUTURE OF EPDs





REGULATION: FUTURE OF EPDs





REGULATION: FUTURE OF PLCA

ONLY RECOMENDATIONS, NOTHING MANDATORY

EPDs and LCA are included as a criterion for Green Public Procurement.

Option 1: Aggregation of Environmental Product Declarations (EPDs)

The performance shall be evaluated using Environmental Product Declarations (EPDs) that are in compliance with ISO 14025, EN 15804 or equivalent. The ITT shall specify which of the following two methods shall be used for the evaluation:

(i) Aggregation of EPD characterisation results (the raw LCA results for indicators) for each building element, *or*

Directive 2014/24/EU of the European Parliament and of the Council of 26 February 2014 on public procurement (replacing Directive 2004/18/EC)



Lay down the criteria of awarding a contract by using the 'life-cycle costing.

JRC TECHNICAL REPORTS

maintenance of roads

Revision of Green Public Procurement Criteria for design, construction and

> (Draft) criteria proposal Working document for the 2nd Ad-

Hoc Working Group meeting

Elena Garbarino, Rocío Rodriguez Quintero, Shane Donatello and Oliver Wolf (JRC IPTS)

December 2014



DEMAND: PRIVATE SECTOR

Commercial certification tools: LEED, BREEAM, ...

Bepalingsmethode Milieuprestatie

Gebouwen en GWW-werken

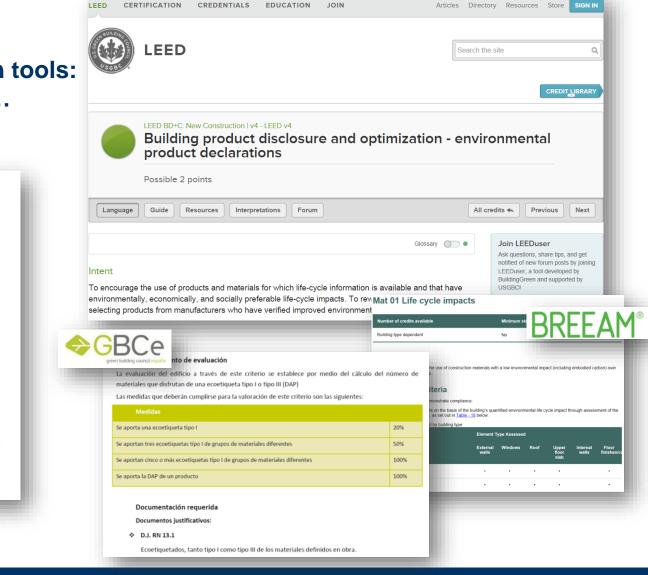
Berekeningswijze voor het bepalen van de milieuprestatie van gebouwen en GWW-werken gedurende hun geheke levensduur, gebaseerd op de levenscyclusanalysemethode (LCA-CML2).

isseringlaan 22t

2288 ER Riiswiik

BOUWKWALITEIT

Definitief dd. 01.11.2011





DEMAND: PUBLIC SECTOR (PAVEMENTS)

- No political willing when Public Bodies are the clients.
- Politicians care about short-term and LCA and LCCA go against this philosophy.

WHAT IS OUR EXPERIENCE IN EUROPE?



FUNDED BY THE EUROPEAN COMMISSION

- Public bodies do not like comparisons.
- LCA and LCCA means assigning resources for the future (less political independence).
- One exception: The Netherlands.



- > Regulatory framework is strong in Europe regarding EPDs and LCA.
- The future of these methodologies do not depend on regulations but on the market.
- > EPDs will be pushed by the buildings market.
- LCA and LCCA of buildings will be developed in the mid-term.
- Very pessimistic regarding implementation of PLCA in public procurement.



THANKS FOR YOUR ATTENTION

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