



ECO PLATFORM A VEHICLE FOR HARMONIZATION OF LCA-BASED ENVIRONMENTAL COMMUNICATION IN THE BUILDING SECTOR Sven-Olof Ryding

Senior Advisor The Swedish Environmental Research Institute, IVL Chairman ECO Platform

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WHY AN ECO PLATFORM?



International pressure for reporting of environmental information

WHAT DO WE MEAN WITH LCA-BASED ENVIRONMENTAL COMMUNICATION?

- Environmental declarations according to ISO 14025, where EPD = Environmental Product Declaration
- A voluntary document describing the environmental performance of a product in quantitative terms
- No pre-determined treshold values to meet (as in Ecolabelling)
- Credible third-party verification to guarantee full reliability





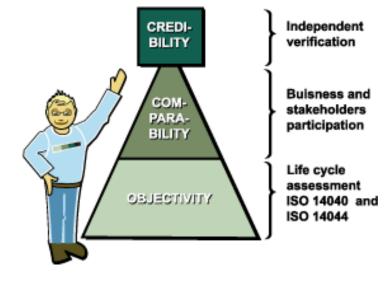
WHAT IS A PROGRAM FOR EPDs?



- 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 EPDs



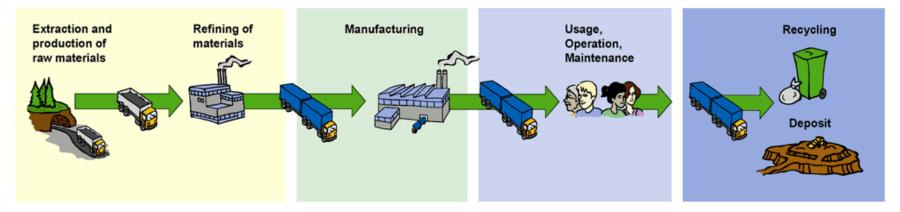
- 1. Objective
- 2. Transparent
- 3. Comparable through common PCR rules
- 4. Possible to add up information in the supply chain



5. Awareness-raising leading to better environmental understanding among staff and employees leading to a better competitive edge



RECOGNITION OF THE FULL PRODUCT LIFE CYCLE





Cradle-to-gate

CONSTRUCTION PRODUCTS ARE SOMEWHAT DIFFERENT



Assessment of sustainability and comparison of products only reasonable on <u>building level</u>



MARKET CONFUSION



Development of eco-labelling world has led to a proliferation of different systems



Maybe it not that critical as ecolabels can not be used for comparisons

PRESENT SITUATION OFTEN LEAD TO MARKET CONFUSION EVEN FOR EPDs

as EPDs from different EPD programmes ...

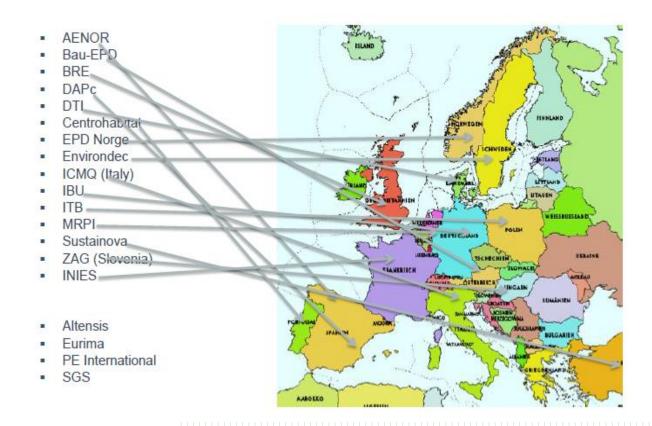


... seem to adapt international standards and regulations in a somewhat different way

GOAL



Enable common application of EPD in Europe with the next steps in mutual recognition



EPD PROGRAM OPERATORS ESTABLISHED THE ECO PLATFORM

Established European EPD Programmes participating:

- 1. HQE/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)
- 12. EPD Danmark (Denmark)
- 13. Bau EPD GmbH (Austria)





Board – Representatives from est. EPD Programmes + CPE (legal representation, general principles)

Working Groups – Representatives from all members

- WG I Development of ECO EPD Rules (Requirements on content, format and technical background of ECO EPDs, requirements of European regions and EU, Liaison to CEN)
- WG II Compliance of ECO EPD Rules (internal quality procedures, verification, audits)
- WG III Internal & External Affairs (communication e.g. with European Commission and industry)

ORGANIZATION



Members

- ★ European EPD Programme Operators
- ★ European (Trade) Associations
- ★ Green Building Councils
- ★ LCA Practitioners

Communication with

- European Commission
- ★ CEN (especially interaction with Product TCs)



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



Development of a common core EPD for construction

products through a consistent implementation of EPD according to EN 15804

(no additional requirements on the ECO level, but additional equirements are allowed to meet national requirements)

- Development of a common European format for EPDs' core-data
- Definition of rules for mutual recognition across Europe of this EPDs core-data
- Development of a common quality management and verification procedures



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



LEVEL A



Common dossier for ECO Platform EPD program operators



III. List of verifiers



LEVEL B



Procedure for mutual recognition between program operators

- ★ Comparison of program operators addresses:
 - The organization of the operators with respect to PCR development and use
 - Comparison of the operators' program content
 - Gap analysis
 - Continuous maintenance of mutual recognition, the MONPAN
- ⋆ Final agreement
- Audit process
- ⋆ Logo
- Time frame: ambitions are 2015 but:

We have to learn from verification audits

COMMON QUALITY LANGUAGE



Management EPD program + verification procedures



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COMMON QUALITY RULES FOR VERIFIERS





COMMON QUALITY VERIFICATION PROCESS





ECO checklist

Compliance with EN15804

ADVANTAGES AND OPTIONS



- To accomodate different market requests for credible and quantified environmental information of goods and services
- Offer ready-made and verified information wellsuited 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 product's in a cost-effective way as a basis for eco-design work and follow-up activities



THE ASPIRED SOLUTION



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

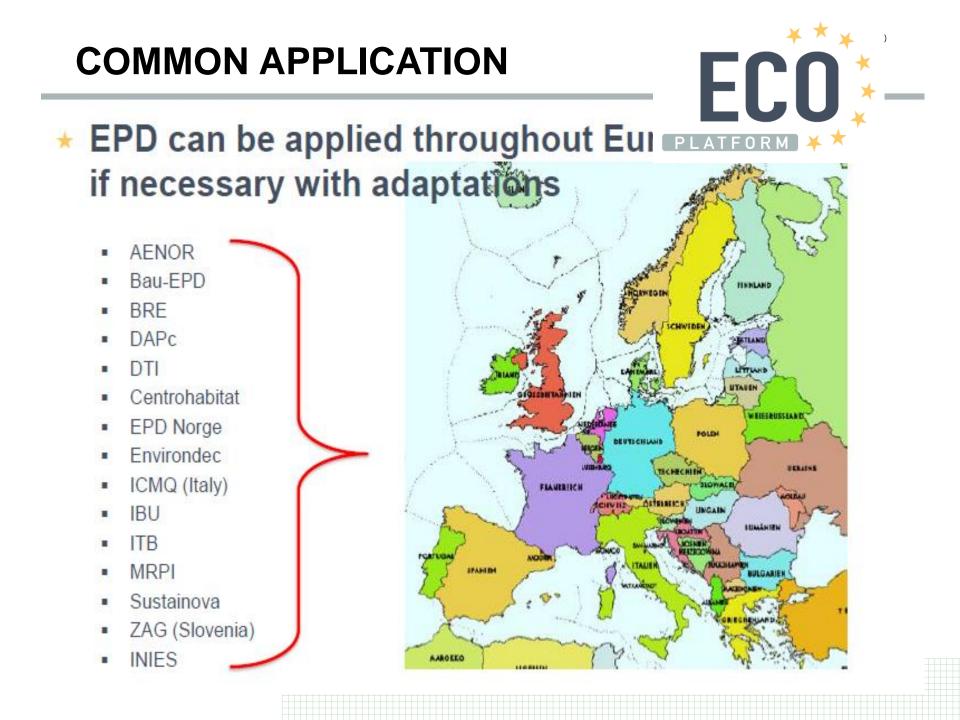


THE ASPIRED SOLUTION



Green Building Rating Schemes

RATING SYSTEMS ARE INDEED USED FOR COMPARISONS



USEPDs PROVIDE USEFUL INFORMATION

- National regulators
- European regulators
- Public procurers
- Designers
- Contractors
- Various in-house use



THE INTERNATIONAL EPD®SYSTE

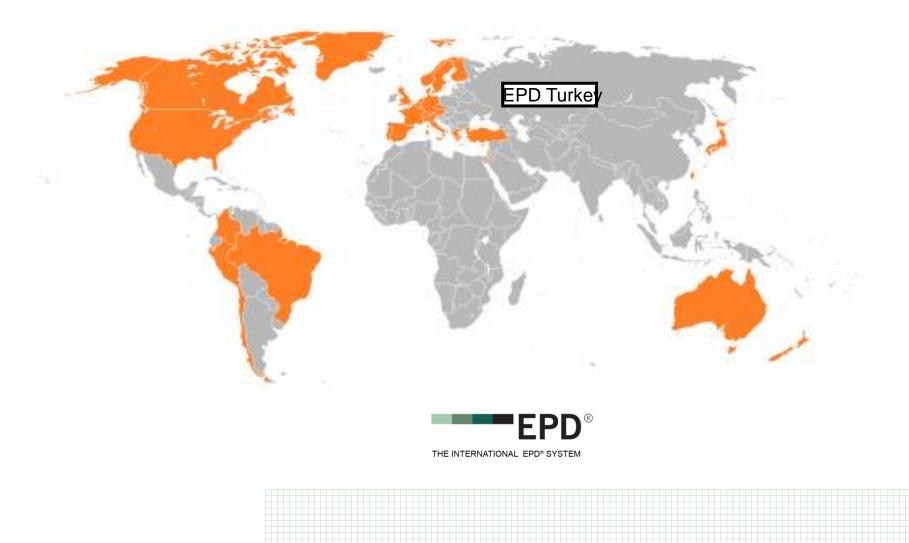


- Having the same objectives as the ECO Platform, but on a global context covering all types of goods and services
- The world's first programme of it's kind according to existing standards and the only present international system
- The most comprehensive programme open for all goods and services including international accepted PCRs for more than 150 product categories and with around 500 EPD's registered in more than 20 countries around the world.



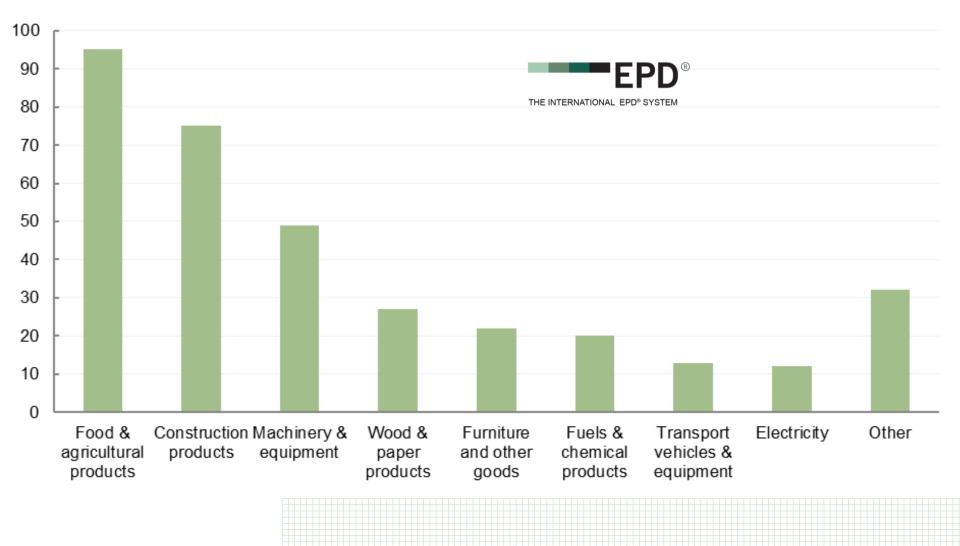


CURRENT WORLDWIDE COVERAGE



COVERAGE FOR DIFFERENT PRODUCT CATEGORIES





THE HOMEPAGE



http://www.eco-platform.org/

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ABOUT ECO 🗸 THE MEMBERS WORKING GROUPS 🗸 ECO PLATFORM EPD 🖓 EVENTS CONTACT HOW TO JOIN? 🗸 MEMBER LOGIN	
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THANK YOU FOR YOUR ATTENTION

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

sven-olof@environdec.com

ryding@eco-platform.org