



The European voice of the
adhesive and **sealant** industry



LESS COSTS, LESS BURDEN, MORE PRODUCTS COVERED

15 OCTOBER 2015 BRUSSELS

10:30 – 14:00

EU-Model Environmental Product Declarations (EPDs)
because less is more!

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EPDs in the European and International Markets

EU-Model Environmental Product Declarations
Brussels Oct 2015

Dr. Eva Schmincke



thinkstep

Recommendations to DG Environment for EPD 2002

What	Stimulate the Supply Side	Ensure harmonisation of EPDs in Europe	Stimulate the Demand Side
How	Improved contents and accessibility of LCA databases	Establish minimum European Product Specific Requirements	Provide incentives for EPDs by linking them to public procurement
Why	Improved access for SMEs, improved interaction with other PP tools	Supplementation of EPD schemes instead of competition	Improved interaction with other PP tools, increased public interest

Source: "Evaluation of Environmental Product Declaration Schemes" September 2002
 Reference B4-3040/2001/326493/MAR/A Prepared by: Malin Bogeskär, Anthea Carter, Carl-
 Otto Nevén, Robert Nuij, Eva Schmincke, Heidi K. Stranddorf

Situation 2015 construction sector

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Situation 2015 construction sector

<p>What</p>	<p>Stimulate the Supply Side</p>	<p>Ensure harmonisation of EPDs in Europe</p>	<p>Stimulate the Demand Side</p>
<p>How</p>	<p>National EPD databases</p>	<p>EN 15978 and EN 15804+A1</p>	<p>PEF, (construction consumer products)</p>
<p>Result</p>	<p>EPD tools: Model EPD</p>	<p>ECO Platform</p>	<p>Improved interaction with other PP tools, increased public interest</p>

ECO Platform 2011-2015

Kick off 2011



**Handover Eco
EPD at the
General
Assembly 2015
> 180 ECO EPD**

ECO Platform



Ca 2000 EPD from members, 100 product categories

traded globally: Turkey, USA, Australia, Japan, Korea ...

Providing datasets for sustainable construction in national databases.

at
de
dk
es
fr
it
nl
no
pl
pt
se
si
uk

ECO Platform

The objective of ECO Platform is the support of EPD of construction products, compliant with the European standard EN 15804+A1. The added value of EPD under the ECO Platform, ECO Platform EPD, is the possibility to use these declarations in all European and also international markets.

Mutual recognition

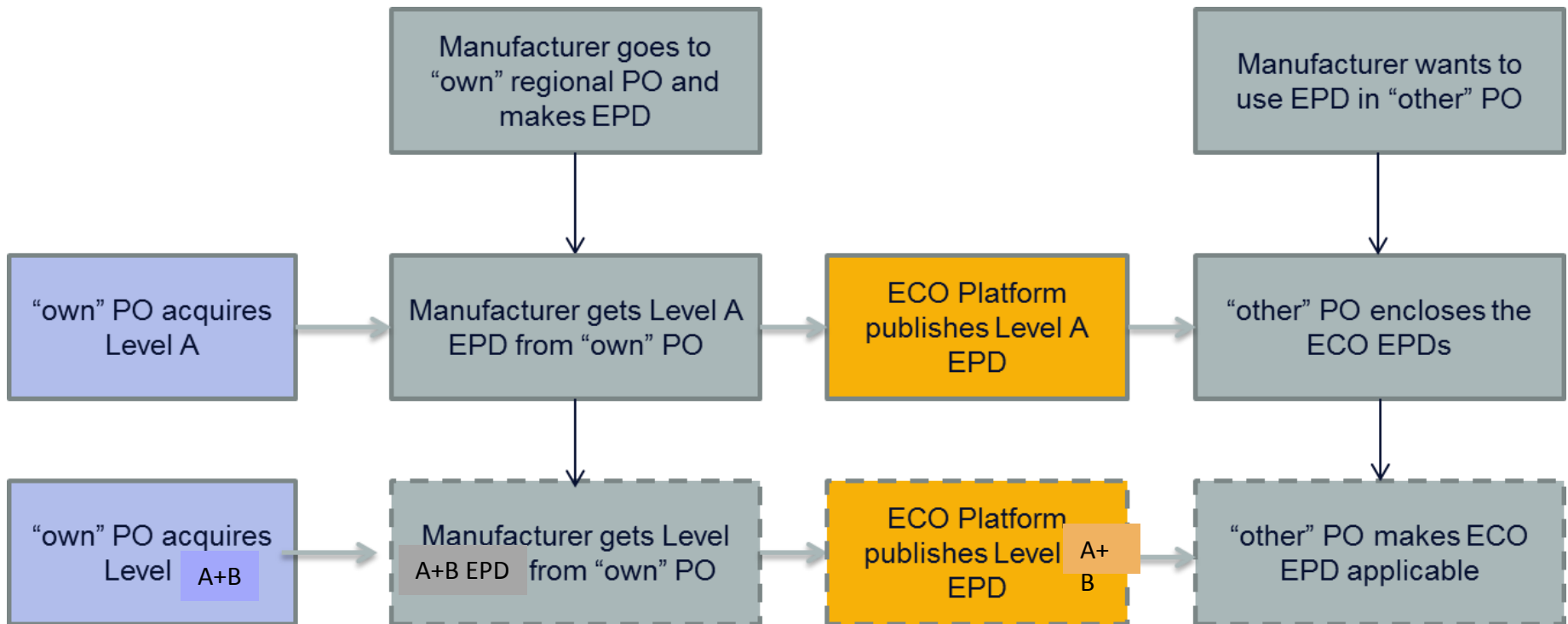
- Mutual recognition means that EPD are accepted mutually and for all applications among ECO Platform members without further verification.
 - These EPD carry ECO logo,
 - are registered at ECO Platform, link to EPD and PO is provided



Mutual recognition process



- Homogeneous and neutral approach between products,
- Transparency by common English documents.



9 of 14 POs have completed the audit for level A

Level A+B: common verification and applicability

- Applicability means transparency so EPD can be applied anywhere.
- This means reduced differences between EPD arising from:
 - different history and market demands for POs:, e.g.
 - Requirements from national data bases,
 - Independent interpretation of EN 15804.
 - lack of transparency and poor the readability due to different EPD formats,
 - lack of knowledge how to use EPD information.
- Applicability does **not** mean full comparability. :
 - There are inherent characteristics for differences: regional scenarios for use or end-of-life,
 - Different philosophies in available background databases cannot be mended by ECO Platform.

Proposal for Model Verification Process, (Type 1) from IBU

A project report is prepared for an initial verification of the model, i.e. the parameterised LCA model. The report outlines the model as a whole and includes a specific example. A model verification shall verify the following points:

1. The model:

- The model includes an algorithm for the indicator results that cannot be modified by the user/LCA practitioner.
 - The report describes how the applicability of individual recipes is checked and how the checklist was developed.
 - The indicator result tables are pre-set and cannot be changed.
 - The original, verified LCA model and algorithm shall be archived by the manufacturer; it shall be available for 10 random verifications.
 - The verification of a model type 1 i.e. the parameterised LCA model remains valid for 5 years.
- A revised version of the PCR part A German and English has been launched, but still needs approval of the advisory board (early 2016).

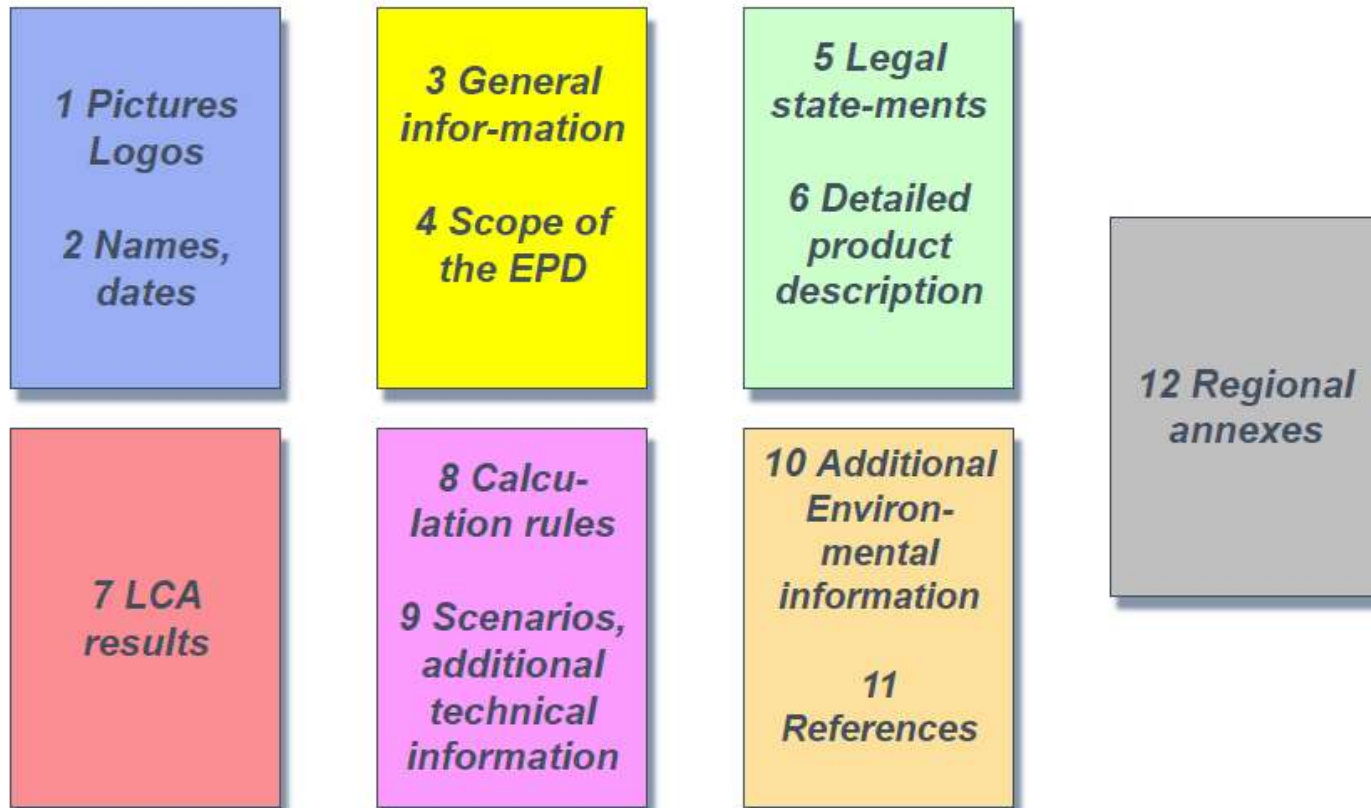
Proposal for Model Verification Process, (Type 1) from IBU

2. The EPD

- For the verification of additional EPDs generated by the parameterised LCA model, the recipe of the product under study shall be submitted as well as the results of the checklist.
- Each additional EPD generated by the manufacturer is submitted for verification to the verifier. After successful verification the signature of the verifier is inserted specifically into each EPD.
- It can be necessary to supply additional environmental data for the verification of each EPD. This is specified in the project report during the initial verification of the model.
- For each EPD drawn up, the manufacturer declares that the model i.e. the original parameterised LCA model first verified has not been modified.

Eco Platform common format

Common format is voluntary, evolving Pos are encouraged to use this agreement: consensus on a common order and content according to EN 15804. In addition to EN 15804 the applied background data and a description of what the EPD represents shall be declared under **4 scope**.



Further tasks for common applicability

- Differences in the access to national databases:
 - Mainly restrictions by specific conventions on background database;
 - Acceptance of EPD tools like average EPD from associations, model EPD, i-reports etc.;
 - Scope, e.g. full LC, cradle to gate;
 - How to declare representativity.
- Different speed in implementation of product TCs' PCR (POs have their own specific PCR)
- WG I plans taking up a help desk function for POs when there are mutual recognition problems between programs, but not for LCA.

International development

- Question and answers on CEN TC 350 website + guidance document will increase stability of EN 15804;
- Revision of ISO 21930, CD2 -> DIS follows the European standard.
- PCR for EPD for LEED,
 - -> follows ISO 21930 revision.
- Amendment of mandate (or new mandate) for M350 in order to find common approach for EN 15804 and PEF,
 - -> amendment of EN 15804.

Thank you for your attention
and keep going...

