



CPR Series

**ECO**  
WEBINAR

## Do we still need EPDs?

April 29, 2025  
11 AM - 12:30 PM CEST

### Key take-aways

- Why EPDs will still be needed and the advantages of having EPDs
- Why regulatory data and voluntary data will co-exist
- How manufacturers can issue EPDs and DoPCs
- How manufacturers can generate added-value with EPDs



**Nikolaos Emmanouil**  
VELUX A/S  
Senior Product Sustainability Specialist  
Guest Speaker



**Christian Donath**  
ECO Platform  
Managing Director  
Co-Host



**Leila Schein**  
Climate Earth  
Senior LCA/EPD Project Manager  
Co-Host

# Do we still need EPDs?

Webinar April 29



- 1 Introduction Webinar Series
- 2 Requirements for Environmental Product Data on Building Level
- 3 Consistency of Regulatory and Voluntary EPD Data
- 4 The Value of EPDs
- 5 Questions & Answers



# The Idea

## A Series of Webinars



Webinar 1 Will EPDs become mandatory?

Webinar 2 Are EPDs still needed?

Webinar 3 Decoding the new CPR  
What it means for Product Families

Webinar 4 How about the DPP?

Webinar 5 Do we need more webinars???



# Introduction



CPR Series



## Will EPDs become mandatory?

March 18, 2025 at 11 AM CET

### Key take-aways

- What will become mandatory and when?
- What should manufacturers do and when? Why act today ?
- What are the main challenges of CPR & DoPc?



Christian Donath  
ECO Platform  
Managing Director  
Co-Host

Olympia Dolla  
Assa Abloy  
EMEIA Head of Sustainability  
Guest Speaker

Fabian Diaz  
Climate Earth  
Senior LCA/EPD Project Manager  
Co-Host

ECO  
WEBINAR



ASSA ABLOY



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# Introduction



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**ECO**  
WEBINAR

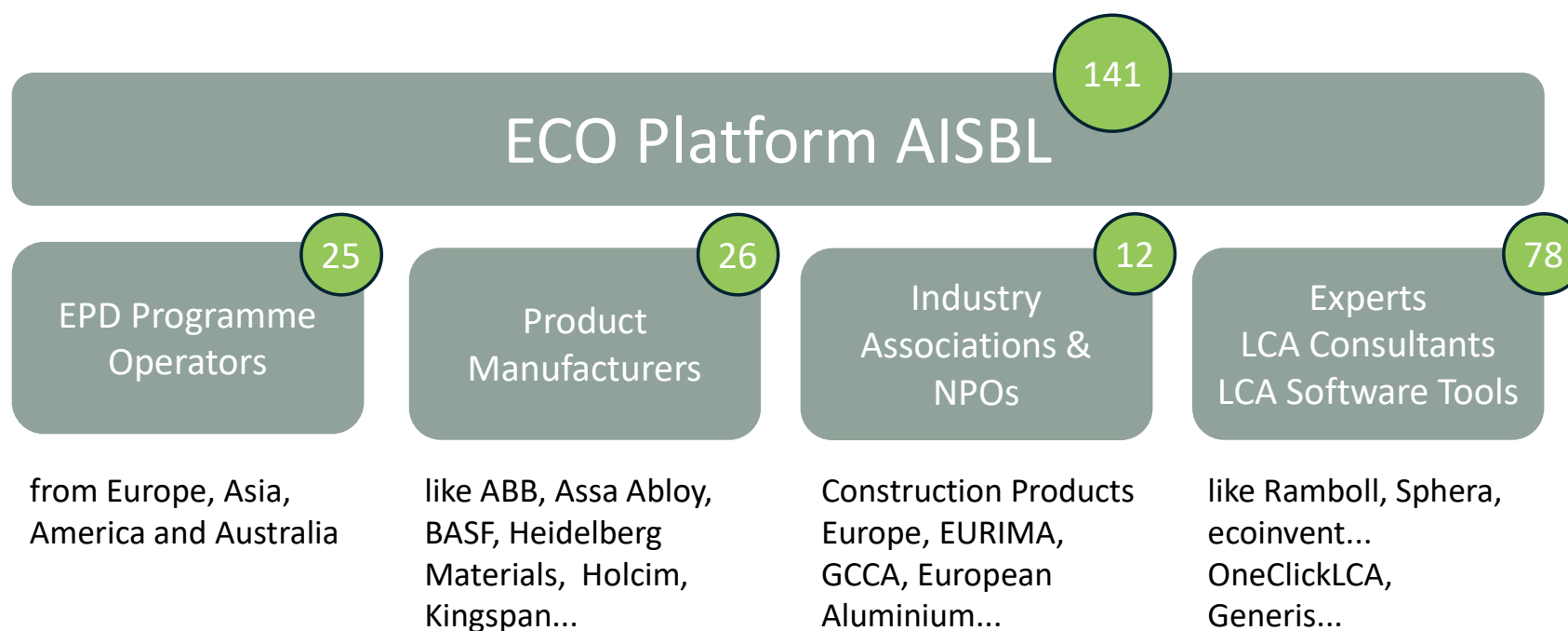




## WHO WE ARE AND WHAT WE DO

ECO Platform aims to promote and to contribute to the sustainable development, including a low-carbon economy and resource efficiency in the construction industry and beyond.

# OUR MEMBERS



ECO Platform AISBL is a non-profit association, registered in Brussels.



# KEY MILESTONES



## ECO Governance

Establishment of a common governance with binding rules for all ECO EPD Programmes



## ECO EPD

Establishment of ECO EPD as globally recognized label for reliable data quality



Entity	Entity Type	Entity ID	Entity Name	Entity Address	Entity Contact	Entity Status	Entity Date	Entity Action
1	Company	12345	ABC Company	123 Street, 456 City, 789 Country	John Doe, 012 345 678	Active	2023-01-01	View
2	Company	12346	DEF Company	456 Street, 789 City, 123 Country	Jane Smith, 098 765 432	Active	2023-01-01	View
3	Company	12347	GHI Company	789 Street, 123 City, 456 Country	Bob Johnson, 012 345 678	Active	2023-01-01	View
4	Company	12348	JKL Company	123 Street, 456 City, 789 Country	Alice Brown, 098 765 432	Active	2023-01-01	View
5	Company	12349	MNO Company	456 Street, 789 City, 123 Country	Charlie Davis, 012 345 678	Active	2023-01-01	View
6	Company	12350	PQR Company	789 Street, 123 City, 456 Country	Diana Prince, 098 765 432	Active	2023-01-01	View
7	Company	12351	STU Company	123 Street, 456 City, 789 Country	Frank Miller, 012 345 678	Active	2023-01-01	View
8	Company	12352	VWX Company	456 Street, 789 City, 123 Country	Grace Wilson, 098 765 432	Active	2023-01-01	View
9	Company	12353	YZA Company	789 Street, 123 City, 456 Country	Henry Taylor, 012 345 678	Active	2023-01-01	View
10	Company	12354	BCD Company	123 Street, 456 City, 789 Country	Ivy Green, 098 765 432	Active	2023-01-01	View

## ECO PORTAL

Establishment of a global data hub offering access to reliable digital data



## NETWORK

Recognition as a credible and objective network of experts by authorities and industry

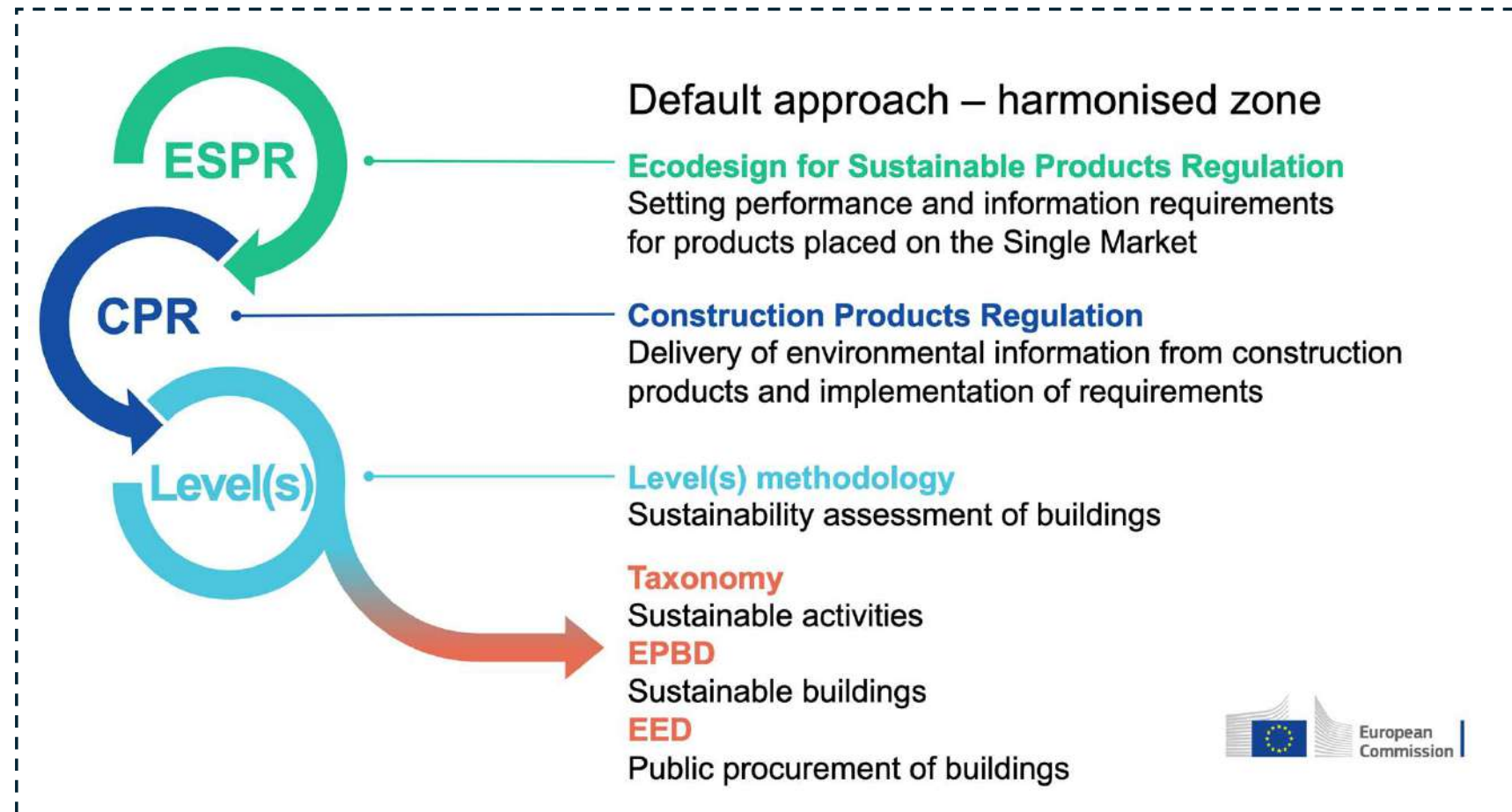


# Environmental Product Data The Needs from Building Level

Status April 2025

# EU Regulatory Framework

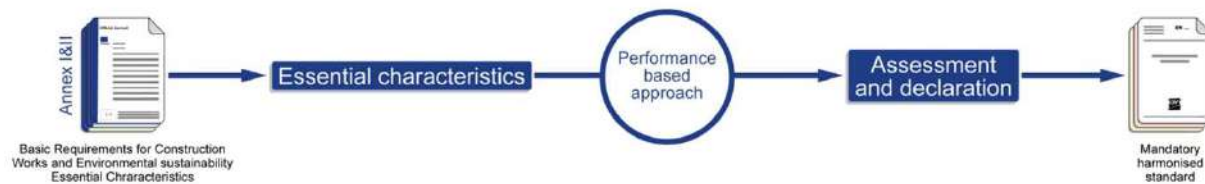
CPR sets the EPD standard for environmental data



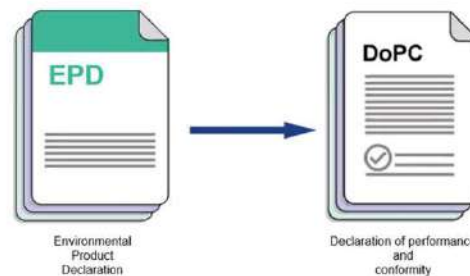
# CPR makes “EPD” mandatory

Disclaimer: It will not be called “EPD” anymore

## Performance declaration



Information currently included in Environmental Product Declarations is transferred to the DoPC

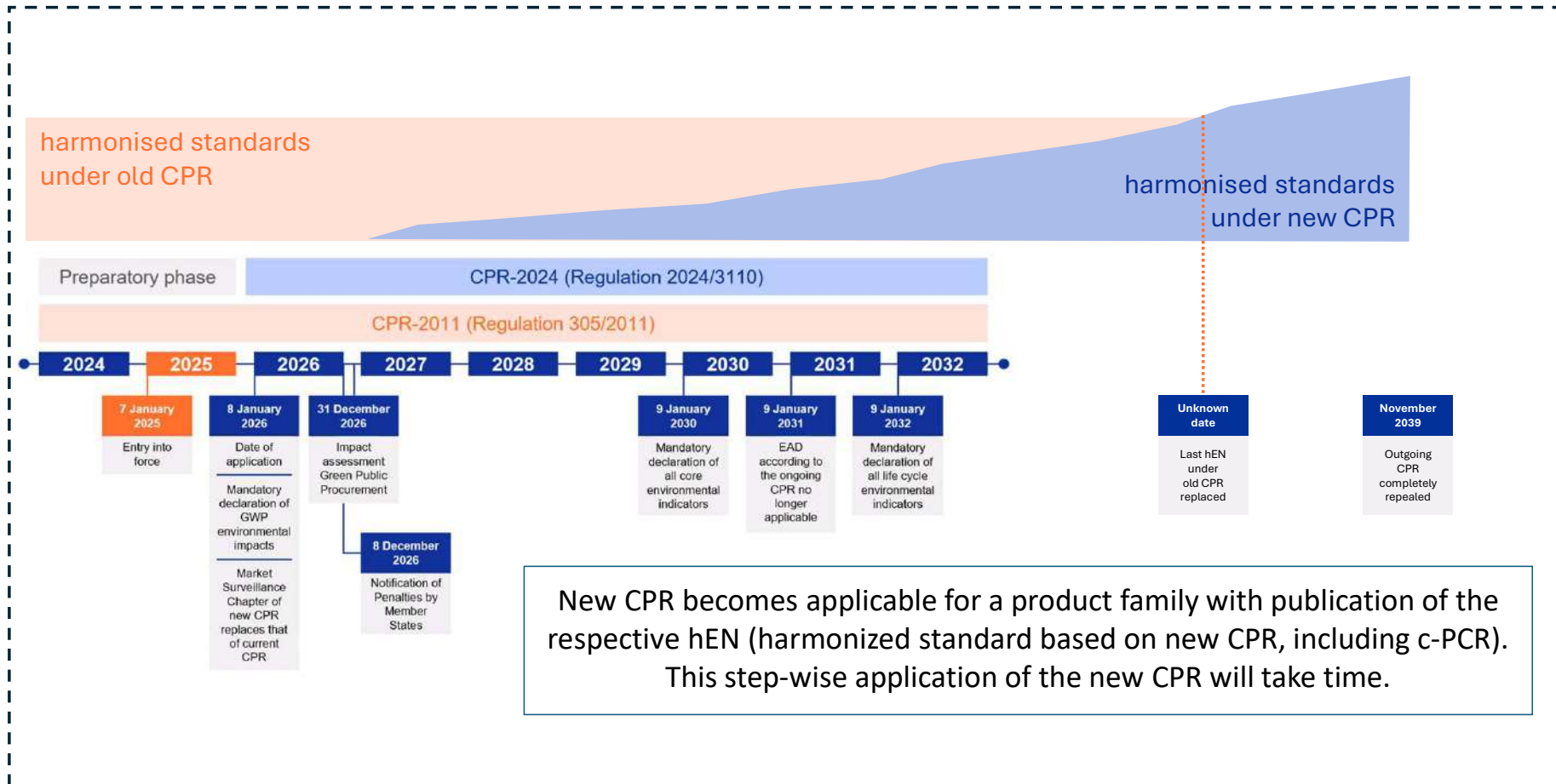


 Articles 5 & 6



# Transition to new CPR

## How will it work?





# Products under CPR

## Priority list defining order for product families

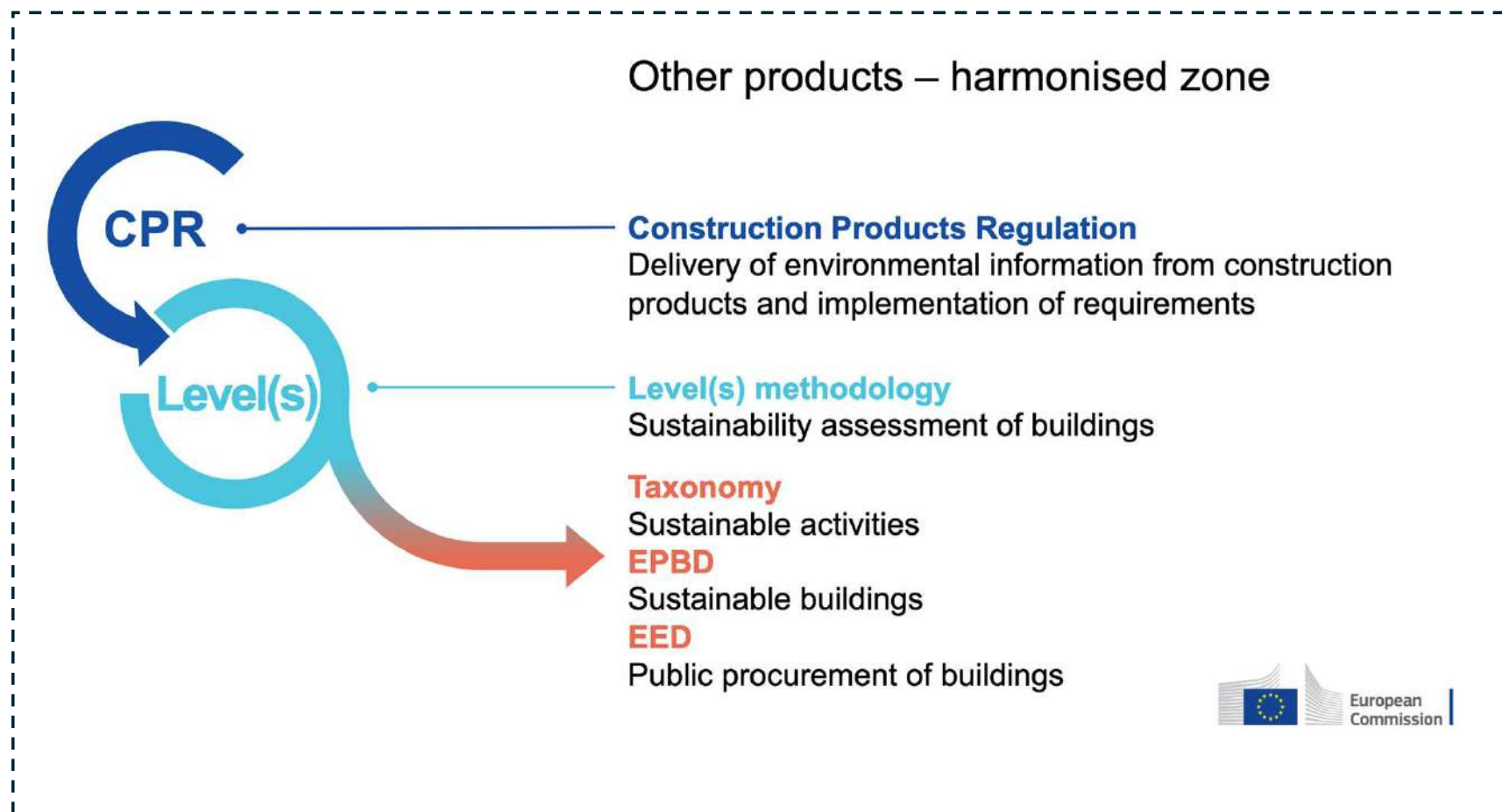
<div>Fire</div> <div>Dangerous substances</div> <div>Environmental sustainability</div>	1 Precast normal/ lightweight/ autoclaved aerated concrete products 1	17 Masonry and related products - Masonry units, mortars, and ancillaries. 9	5 Structural bearings - Pins for structural joints 17	7 Gypsum products 25	6 Chimneys, flues and specific products 33
	20 Structural metallic products and ancillaries 2	24 Aggregates 10	34 Building kits, units, and prefabricated elements 18	33 Fixings 26	32 Sealants for joints 34
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	2 Doors, windows, shutters, gates and related building hardware 4	23 Road construction products 12	27 Space heating appliances 20	30 Flat glass, profiled glass and glass block products 28	29 Construction products in contact with water intended for human consumption
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	Horizontal subgroups
	Standardisation request adopted
	CPR Acquis ongoing work
	CPR Acquis not started yet
	Fast track ongoing
1	Priority



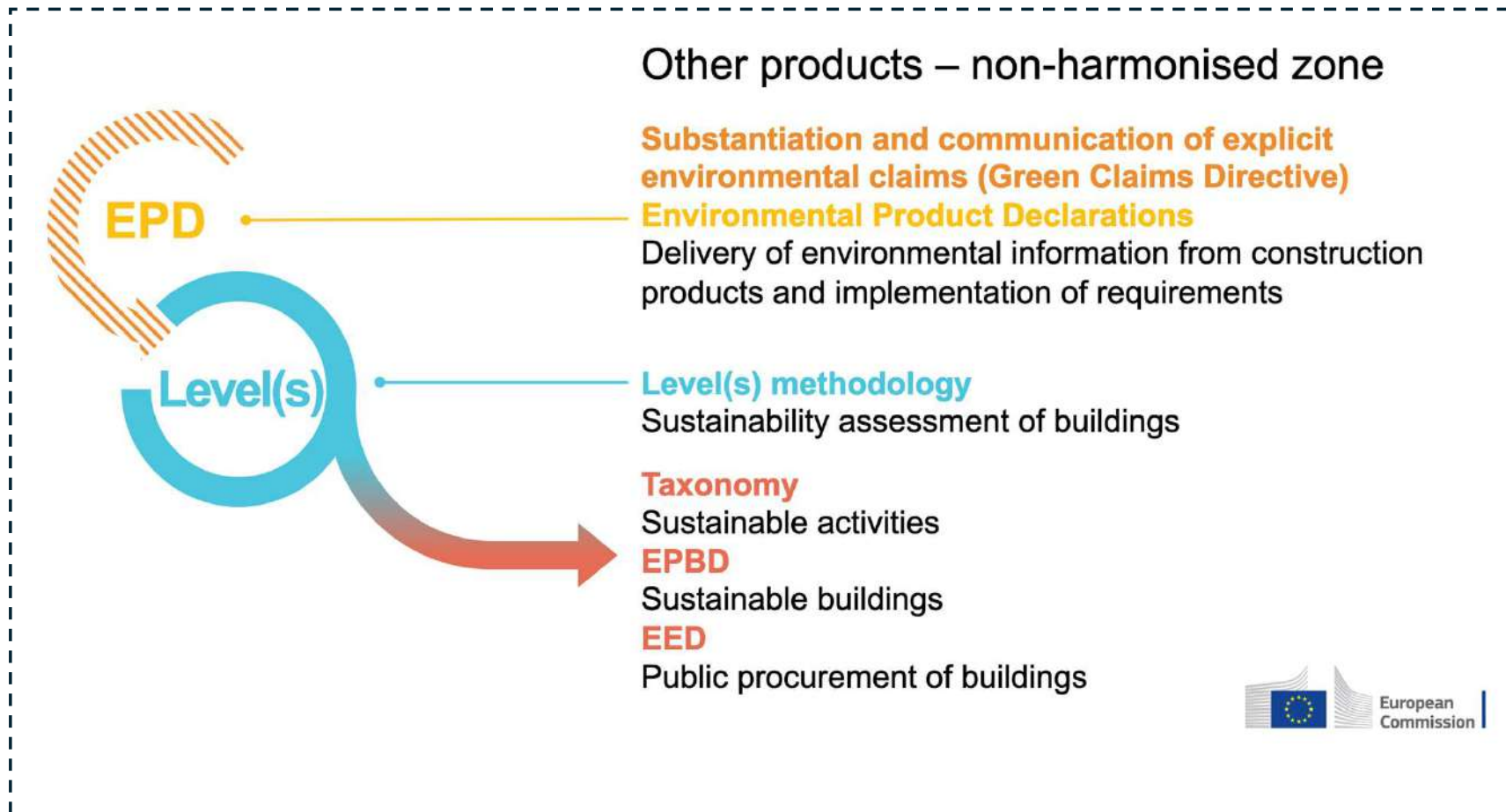
# EU Regulatory Framework

## Products under CPR (harmonized zone)



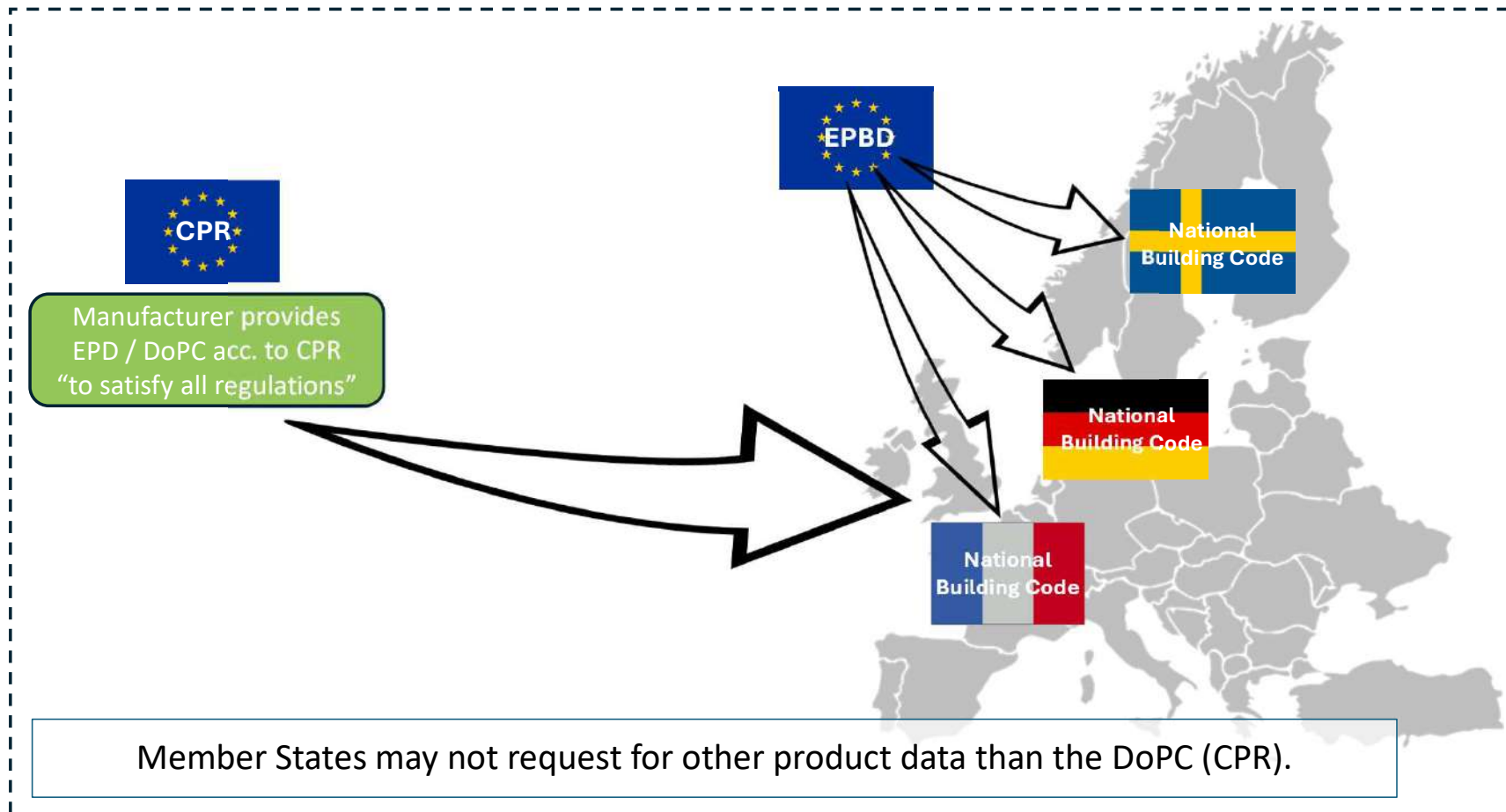
# EU Regulatory Framework

## Products under CPR (harmonized zone)



# EU Regulatory Framework

CPR sets the EPD standard for environmental data



# Drivers for EPD

- EPBD will make Building LCA mandatory (GWP)
- Member States to implement until 2028/2030 for new buildings
- Methodology acc. to 15978/15804 Level(s) framework indicator 1.2
- Public/private rating schemes allowed, if they follow Level(s)
- CPR data to be used when available
- Consistent data to CPR will be needed to cover all products
- ECO EPD will be kept consistent in voluntary governance system
- Generic data to be available via national databases / ECO Portal

## Calculation of life-cycle GWP of new buildings

Values	Numeric indicator for each life-cycle stage
Units	kg CO <sub>2</sub> eq./m <sup>2</sup> of useful floor area
Reference study period	50 years
Modelling	EN 15978 and Annex III of the EPBD
Scope	Level(s) framework indicator 1.2.
Additional rules	Revision of Annex III by 31 December 2025
Other tools of methods	Allowed if they fulfil Level(s) applicable criteria
Data sources	CPR information when available





# Data needed for Building LCA

## Consistency of data



Early Design  
Building LCA  
to ensure building  
performance meets  
requirements



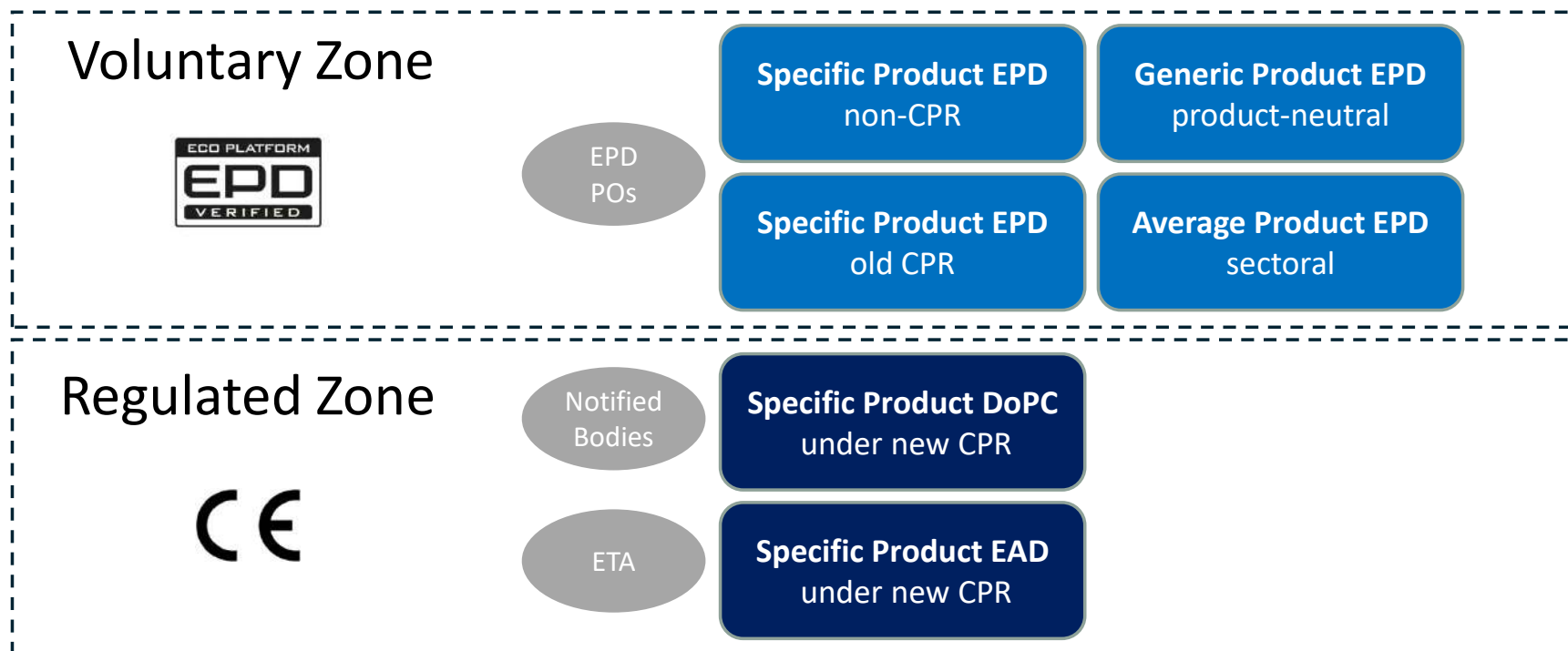
As Built  
Building LCA  
for documentation and  
proof of building  
performance

Generic Data

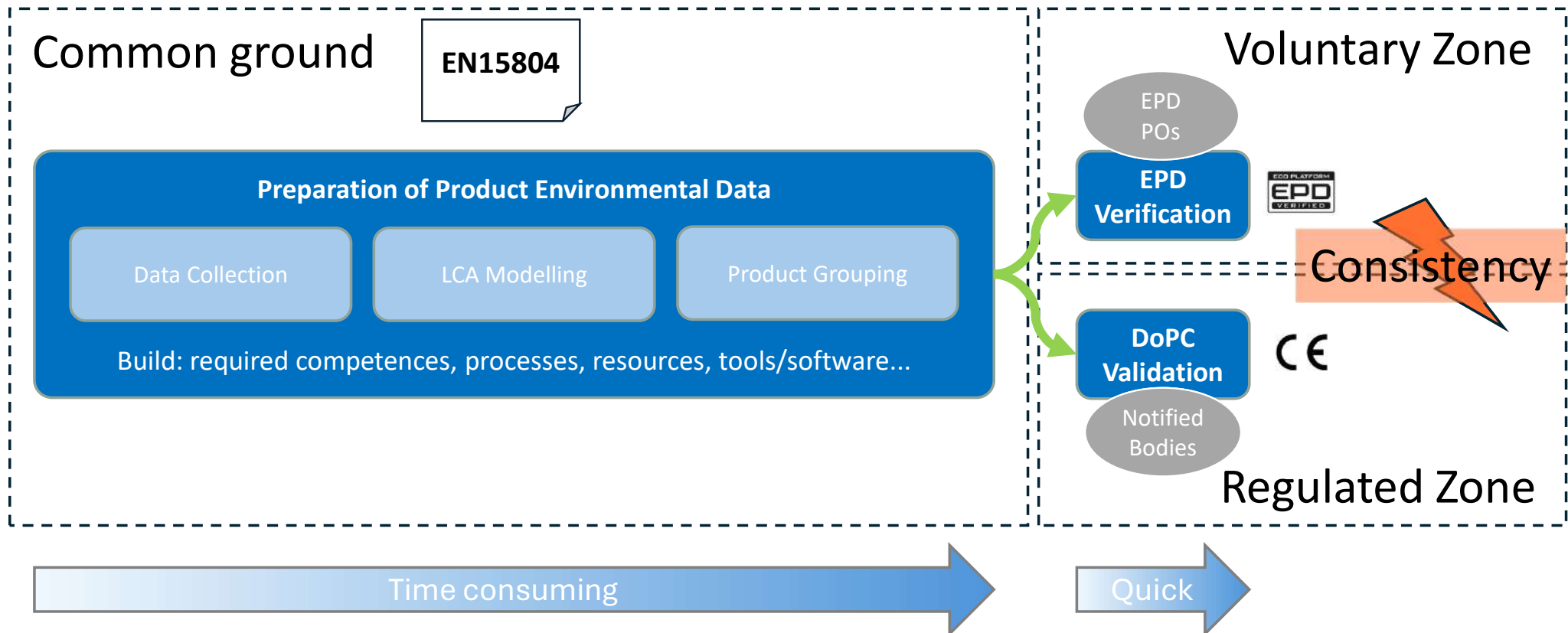
Specific Product Data

# What data will be needed?

Complementary data types



# Mandatory and Voluntary Product Data building on the same ground



# Products under CPR

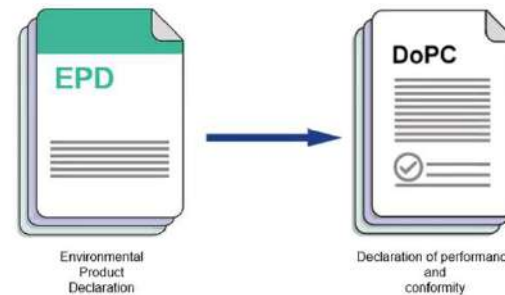
EPD can be maintained

## Milestone B – Declaration

Declaration of all modules for the applicable harmonised scenarios

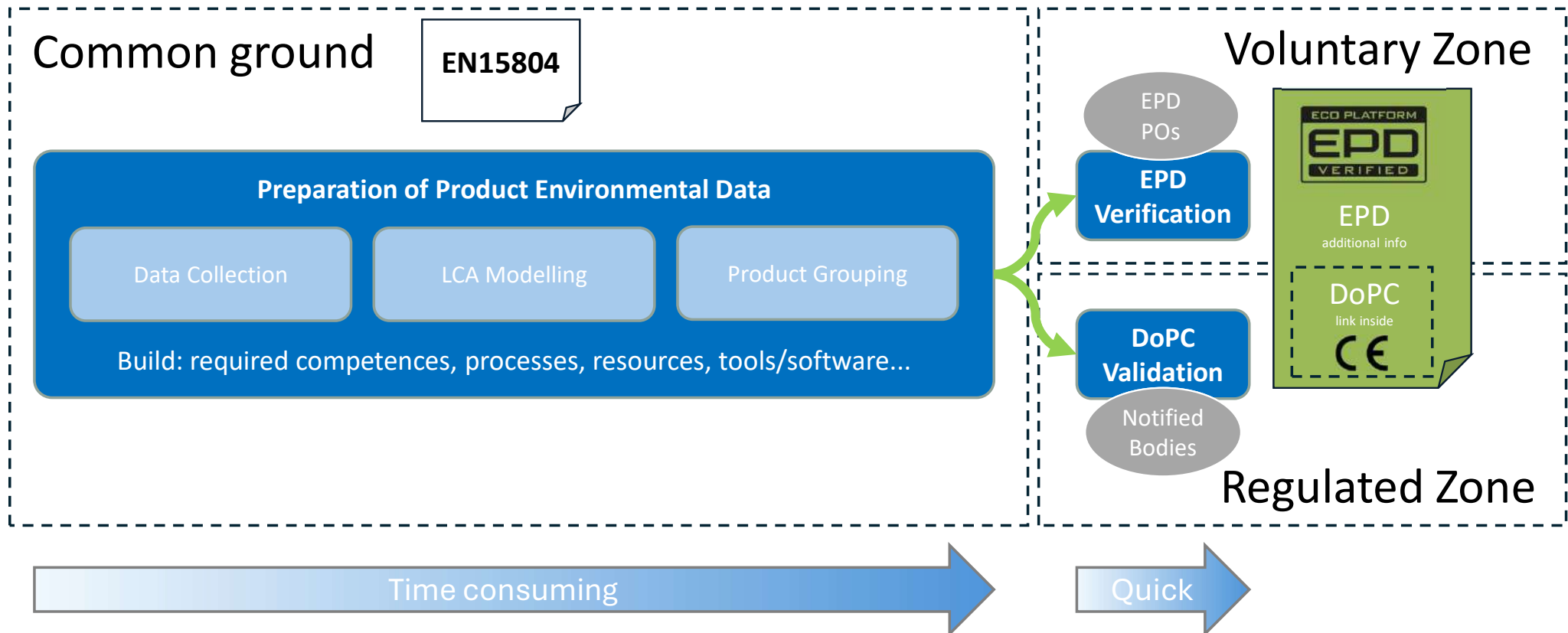
Digitalisation will facilitate access to the information

EPD can be maintained if it contains the same information



# DoPC inside an EPD Document

## Room for additional information





# ECO EDUCATION



<https://event.eco-platform.org/eco-platform-eco-education/>

# ECO Education

## Course Offers



### COURSE 4

FAST-TRACK

#### Level 1:

Thursday, June 5, 2025: 14:00 - 18:00 CEST

Friday, June 6, 2025: 09:00 - 17:00 CEST

#### Level 2:

Thursday, June 12, 2025: 14:00 - 18:00 CEST

Friday, June 13, 2025: 09:00 - 17:00 CEST

#### Level 3:

Thursday, June 19, 2025: 14:00 - 18:00 CEST

Friday, June 20, 2025: 09:00 - 17:00 CEST

The course content is the same; the sessions are just scheduled closer together—ideal for those who want to dive deep into the topic quickly.

[Register here →](#)

### COURSE 5

#### Level 1:

September 16-18, 2025; 09:00 - 13:00 CEST

#### Level 2:

October 14-16, 2025, 09:00 - 13:00 CEST

#### Level 3:

November 11-13, 2025, 09:00 - 13:00 CET

[Register here →](#)

### COURSE 6

FAST-TRACK

#### Level 1:

November 19-21, 09:00 - 13:00 CET

#### Level 2:

November 26-28, 2025, 09:00 - 13:00 CET

#### Level 3:

December 3-5, 2025, 09:00 - 13:00 CET

The course content is the same; the sessions are just scheduled closer together—ideal for those who want to dive deep into the topic quickly.

[Register here →](#)

# ECO Conference

13 May 2025 in Brussels



## CONFERENCE

The Use of Digital EPDs for Building LCA.  
User Journeys Along the Dataflow



Register now:



# ECO Webinar Series

## Next Webinars



Webinar 1 Will EPDs become mandatory?

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June 17, 2025 (15 CEST)





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Webinar 5	Do we need more webinars???

Please share with us:

1. Feedback on today's webinar
2. Preferences for coming topics



Nikolaos Emmanouil, VELUX A/S

29-4-2025

# ECO Webinar: Do we still need EPDs?



**VELUX®**

*Who we are*

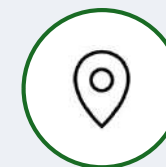
*What we sell*

*What we do*

Who we are



**37** countries with sales companies



**20** production companies in **12** countries

## Company facts

The VELUX Group is owned by VKR Holding A/S, a limited company owned by the Villum Foundation and members of the Kann Rasmussen family.

The VELUX Group's financial results are incorporated into VKR Holding's consolidated accounts.



**~12,000** employees globally



**2.96bn EUR**  
VELUX Group revenue

**3.87bn EUR**  
VKR Holding revenue



What we sell

## *The VELUX product programme*

Roof windows



Blinds



Shutters & awnings



Flat-roof windows



Intelligent Home Control



Installation system



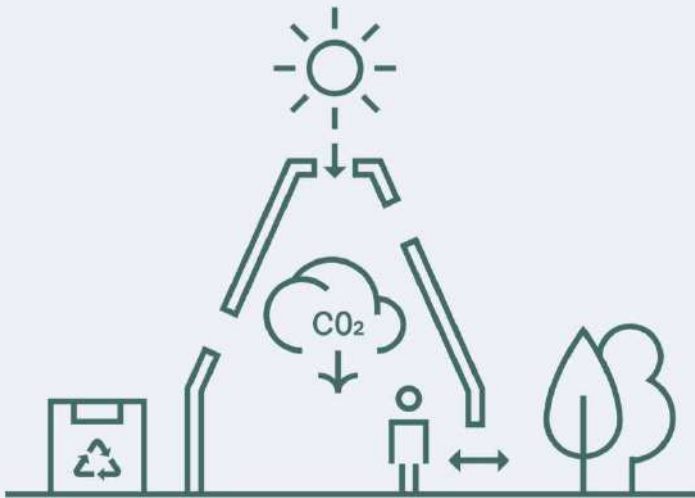
Sun tunnels



Solar and electric products



# What does **sustainability** mean at VELUX?



- Based upon the foundation of our Model Company Objective, we are **working to minimize our impact on people and the environment throughout the value chain.**
- Our sustainability efforts are **integrated directly into the overall corporate strategy** and purpose.
- We continuously work to **align with best practices in environmental, social and governance guidelines** throughout the organisation.

# We take a **holistic value chain approach** to our sustainability work

- We address our environmental, social and governance impacts at every stage of the value chain.
- This helps us to ensure that our products are differentiated across the value chain, from sourcing of raw materials to their end of life.





About us: Build for Life – we show how to build sustainably



# Living Places

Our concept for homes which benefits both people and planet.

Visit the prototype in Copenhagen or take the virtual tour

<https://buildforlife.velux.com/en/livingplaces/virtual-tours/virtual-tour>

# Reduce and remove the equivalent of our historical carbon footprint



**Uganda**  
Tropical forest restoration  
and protection



**Madagascar**  
Mangrove forest restoration  
and protection



**Viet Nam**  
Tropical forest protection  
and restoration

In **Uganda**, restoration of 1,376 hectares commenced with the planting of approximately 540,000 trees. The concrete pillars and markers that define the forest boundary line were extended to 96 km. Alternative livelihood activities continued and impacted 1,150 people during the year.

In **Madagascar**, restoration of 500 hectares commenced with the planting of approximately 1.5 million trees. The project has received approval for early implementation, with government and community agreements in place.

In **Viet Nam**, the forest project is in its early stages. The project team worked with local authorities and communities on agreements and received government approval for early implementation.

# How can manufacturers issue EPDs and DoPCs?



# From EPD to DoPC and future CE marking

## Product families

Fire	1 Precast normal/ lightweight/ autoclaved aerated concrete products 1	17 Masonry and related products - Masonry units, mortars, and ancillaries 9	5 Structural bearings - Pins for structural joints 17	7 Gypsum products 25	6 Chimneys, flues and specific products 33
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- Horizontal subgroups
- Standardisation request adopted
- CPR Acquis ongoing work
- CPR Acquis not started yet
- Fast track ongoing
- Priority



Source: DG Grow

# From EPD to DoPC and future CE marking

The **Declaration of Performance (DoP)** for construction products is an official document required under the EU **Construction Products Regulation (CPR)** and it is issued by a manufacturer to obtain the **CE marking** and place the product in the single market.

In simple terms:

- It describes the product.
- It states the product's performance (like fire resistance, thermal transaminase U-value, Global Warming Potential, etc).
- It shows that the product meets EU standards.
- It provides transparency.
- It helps buyers, builders, inspectors and regulators trust and compare products.

## DECLARATION OF PERFORMANCE

No: GGL SK08 2066 18BS04

1. Unique identification code of the product type: GGL SK08 2066 18BS04
2. Intended use/es: Communication in domestic and commercial locations
3. Manufacturer: VELUX A/S, Ådalsvej 99, DK-2970 Hørsholm, www.velux.com
5. Systems of assessment and verification of constancy of performance (AVCP): System 3
6. Harmonised standard: EN 14351-1:2006+A2:2016, Notified body/ies: 0757, 0402, 1235, 0679\*
7. Declared performance:

Essential characteristics	Performance	§	NB*
Resistance to wind load	class C3 <sup>1</sup>	4.2	0757
Resistance to snow load	4 mm toughened glass - 13 mm - 3 mm heat strengthened glass - 13 mm - 6.8 mm laminated float glass	4.3	
Reaction to fire	class C-s1,d2	4.4.1	0402
External fire performance	NPD	4.4.2	
Watertightness	class E900	4.5	0757
Impact resistance	class 3 <sup>2</sup>	4.7	1235
Load-bearing capacity of safety devices	passed	4.8	1235
Acoustic performance	37(-2;-4)	4.11	0679
Thermal transmittance <sup>3</sup>	1.0 W/(m <sup>2</sup> K)	4.12	1235
Solar factor	0.44	4.13	0757
Light transmittance	0.62	4.13	0757
Air permeability	class 4	4.14	0757

NPD: No performance determined, passed: test is passed

\* Notified body/ies: <http://ec.europa.eu/growth/tools-databases/nando/>

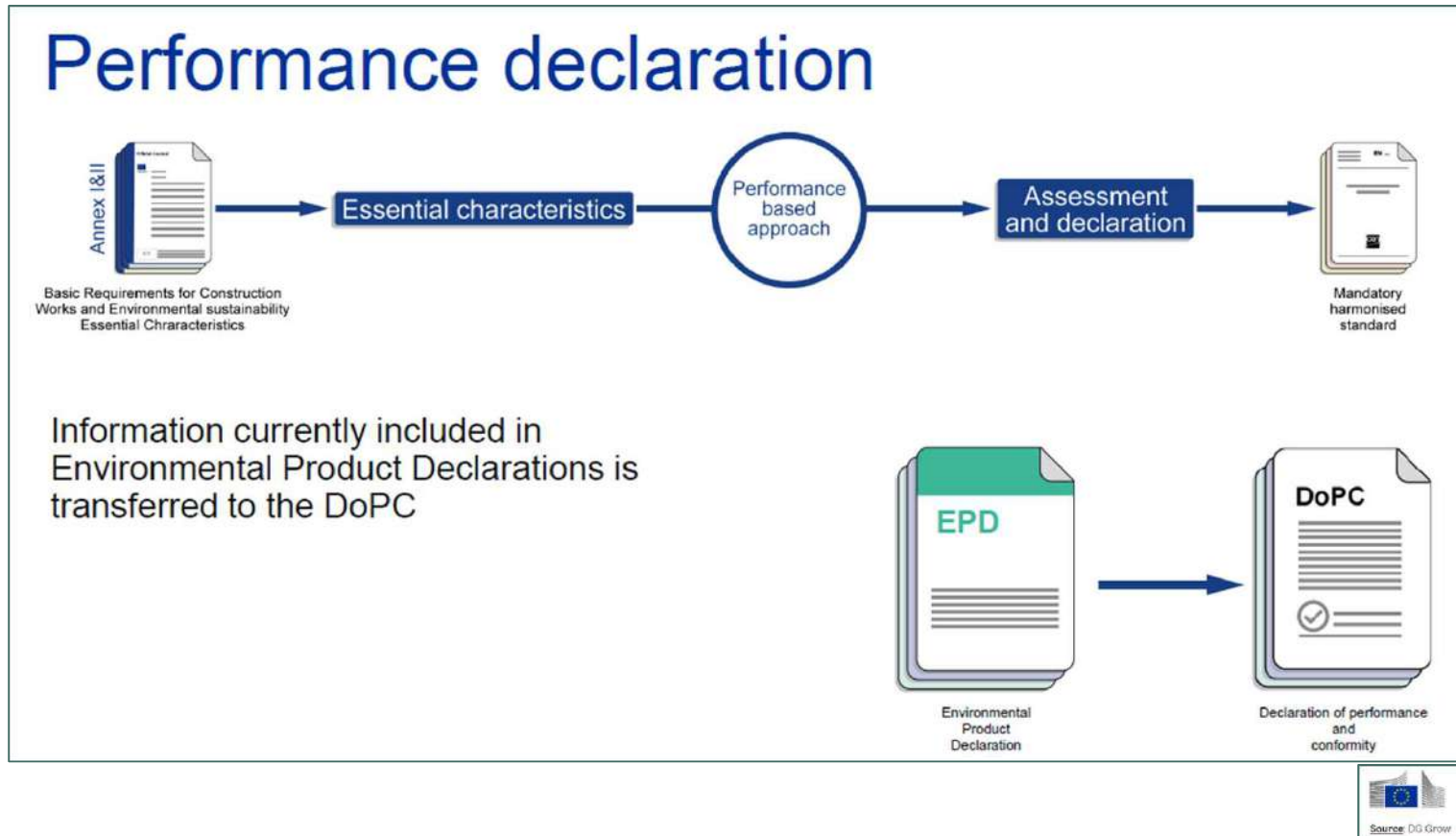
<sup>1</sup> For window width > 1140 mm or window height > 1398 mm: NPD

<sup>2</sup> For window width < 550 mm or window height < 778 mm: NPD

<sup>3</sup> For reference size 1.23 x 1.48 m, 90° installation, In accordance with EN 10077-1/2

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

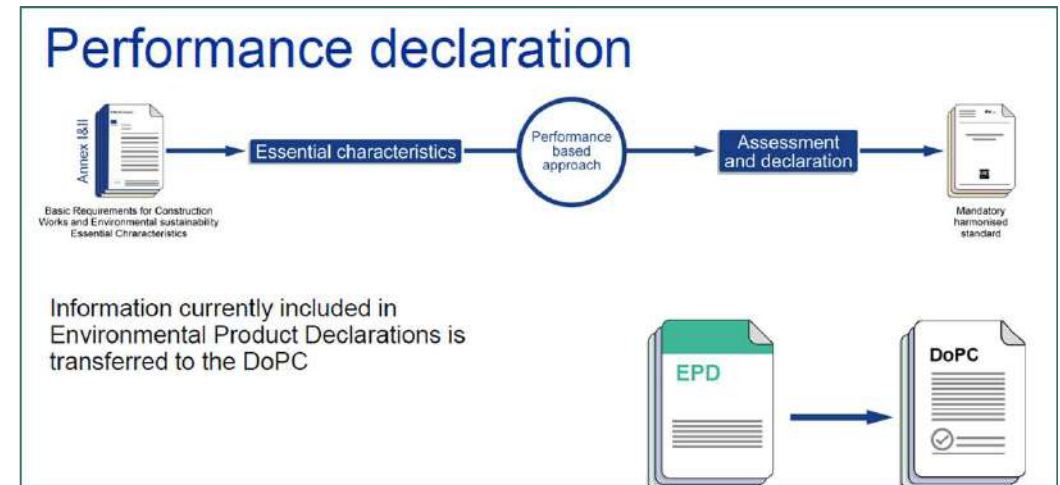
# From EPD to DoPC and future CE marking





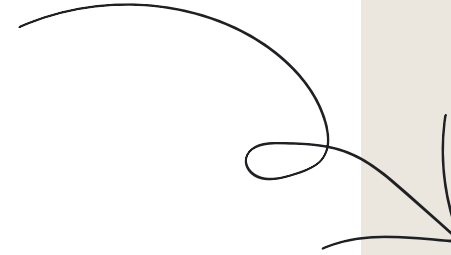
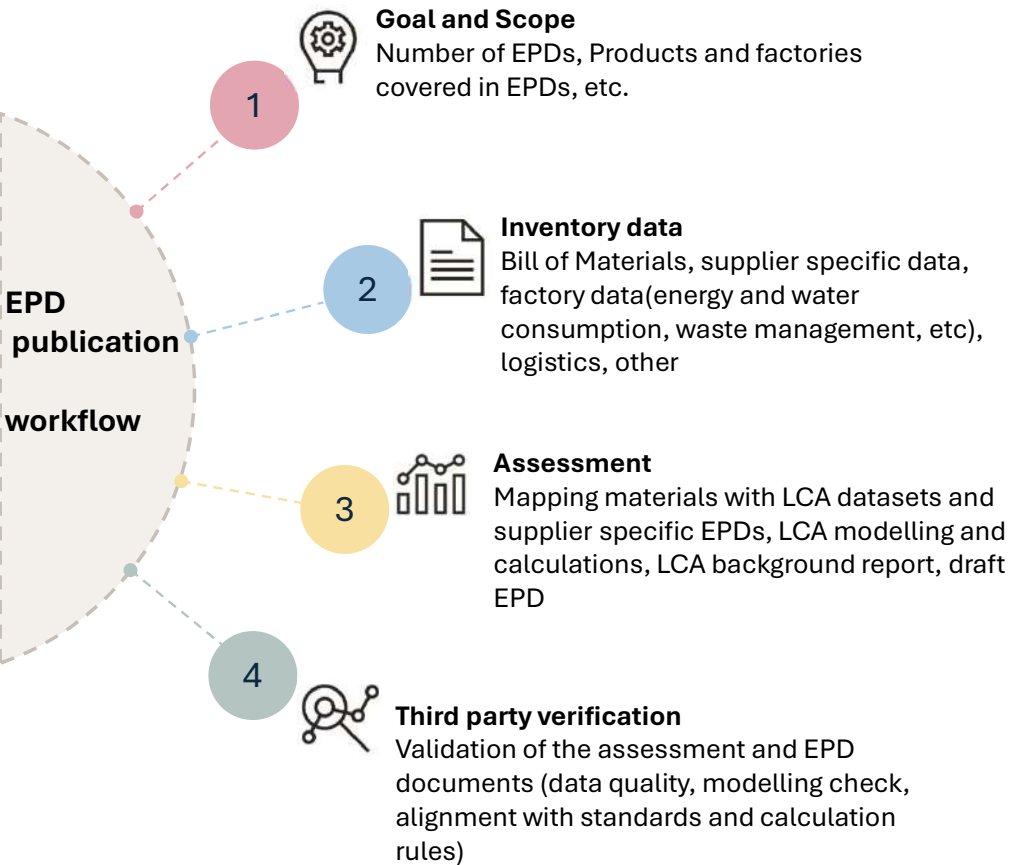
# From EPD to DoPC and future CE marking

- A manufacturer can still issue an EPD **as long as** the declared values **do not deviate** by the ones declared in the DoPC.
- The role of Program Operators as **future Notified Bodies** will be critical to enable such declarations in the most cost-effective way.



# How can manufacturers generate added value with EPDs?

# LCA and EPD as an information carrier



The EPD content provides the necessary information to understand how the LCIA results have been derived, and its importance remains high.

# EPD Content that will not be part of the DoPC

1

Product description,  
product application and  
product components

- Product description clearly defines **what the product is** to ensure transparency, comparability and correct scope of the environmental impacts.
- Product application shows how the product is **meant to be used**, which matters because the use phase can impact the environmental footprint.
- Listing the materials ensures that architects, engineers and designers **select materials** that align with sustainable building goals

2

Scenario development  
(A1-C4 and D)

- Information for **cradle-to-gate** impacts is critical to help users understand the manufacturing process and upstream materials used. This is what manufacturers can influence and differentiate from others when sustainable developments take place.
- The means of **transport, installation and operational info** can play significant role in the total environmental footprint.
- The **EoL scenario and Module D** development is crucial to understand circular economy and waste management, but also potential loads and benefits in the next lifecycles.

3

Allocation principles and  
data quality and LCI  
database

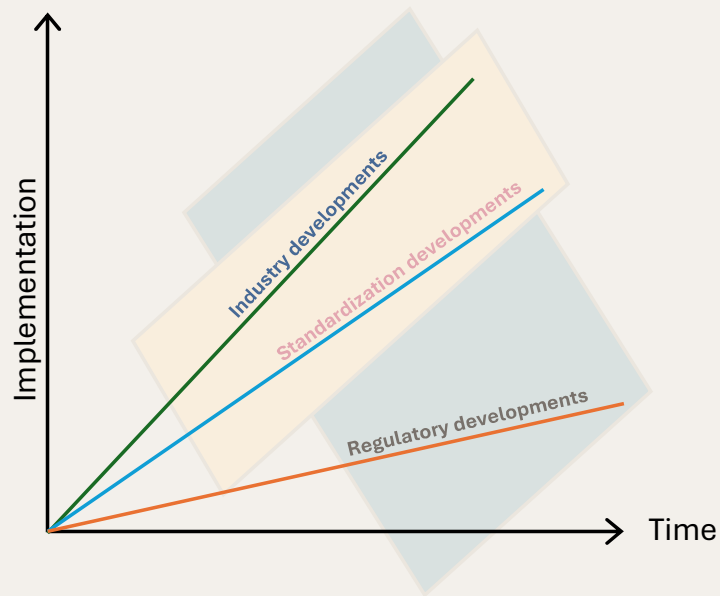
- Explaining **allocation principles** is important because it shows how environmental impacts are divided between co-products or processes, ensuring the results are fair, transparent, and comparable across EPDs.
- Clarifying **data quality** is critical because it informs users about the reliability, age, and representativeness of the data used, which directly affects the credibility and accuracy of the EPD results.
- Background **datasets**, as well as the % of primary vs secondary data are valuable to evaluate the specificity of the assessment.

4

Additional environmental  
information

- Ability to disclose **broader information** about environmental performance of the product, such as certifications, eco-labels, or impact reduction initiatives.
- Ability to disclose **extra** (usually non-regulated) **scenarios**, e.g., LCIA results with different electricity mix used.
- Ability to disclose additional LCIA results based on **other impact assessments** to comply with standards outside the EU single market (e.g., CML or TRACI indicators).

# Other potential added value for manufacturers



## Circular Economy performance

Future EPDs may provide information related to circularity performance, or information about the next cycle.



## Biodiversity performance

Future EPDs may provide specific metrics for biodiversity during the product's life cycle, or the product's upstream value chain.



## Social performance

Future EPDs may provide information about a products', or its upstream value chain, social performance for people and planet.



## Source of supplier specific data

EPDs provide the necessary content to make informed decisions about the environmental impacts of products when selecting suppliers. Green procurement practices are taking place both in industry and public sectors.



## Marketing tool

EPDs will remain the way to communicate LCIA results outside the CPR application zone. Voluntary certifications such as LEED will also remain relevant, as well as project tenders may require more information than the DoPC.



## Level the playing field

LCIA results are as good as the study's assumptions and limitations. The EPD content provides standardised information for comprehensive and fair comparisons of construction products.

## Contact info

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VELUX A/S

<https://www.velux.com/>






# Climate Earth

EPDs Made Easy



# Our Mission is to drive Concrete's Net-Zero Future through Carbon Measurement, Reporting & Analysis.

**8%**   
**of carbon emissions**

According to the Global Cement and Concrete Association, the concrete industry accounts for approximately 8% of global carbon emissions.

**25%** 

The Global Cement and Concrete Association (GCCA) and 40 leading cement and concrete manufacturers committed to reducing CO<sub>2</sub> emissions by 25% by 2030.

# Typical EPD Workflow

A one-time process that, once completed, ends up in publishing one EPD



# CE's Digital EPD Workflow

A one-time process that, once completed, ends up in publishing unlimited, instant & On Demand EPD



## 03 Verification

Once the set-up plants are verified, unlimited, verified EPDs can be generated instantly.



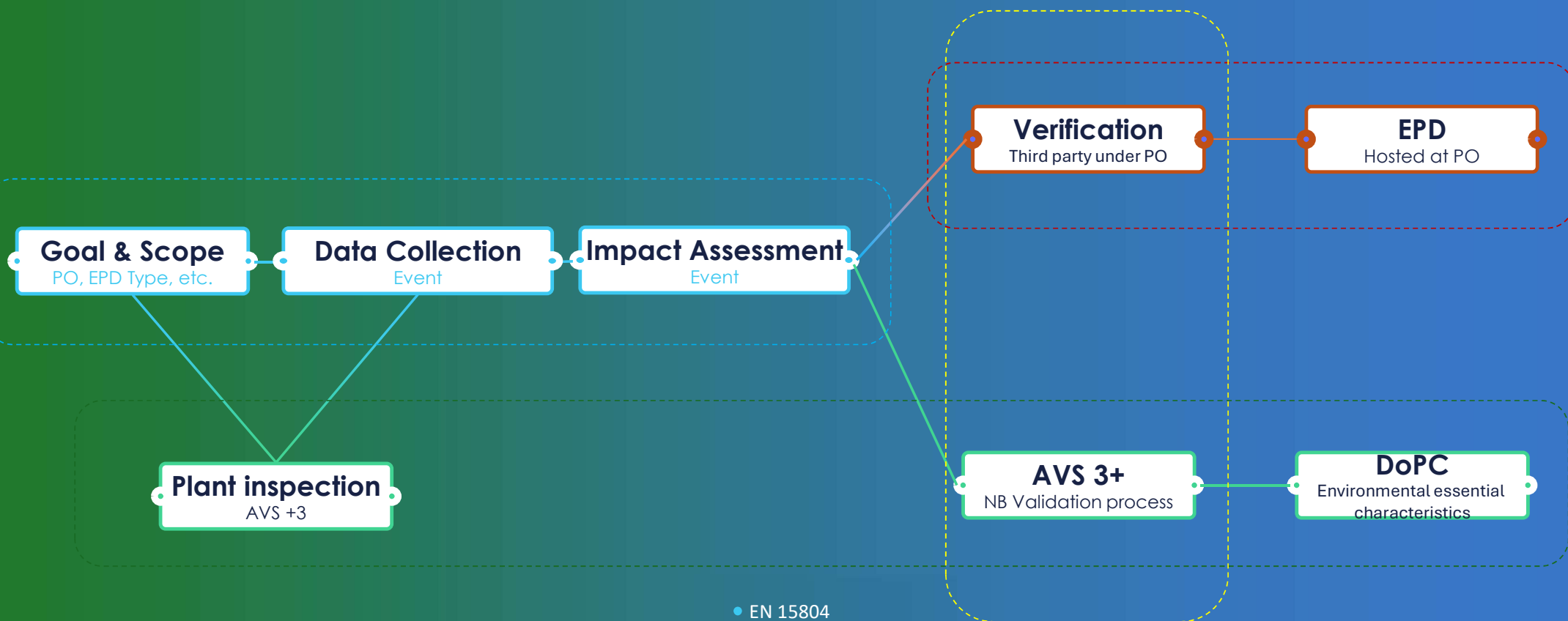
## 01 Data Collection

Material, transportation and manufacturing data. Customized LCIs for supplier specific materials

## 02 Expert Modeling

No staff LCA training required. One-time guided plant set up & tailored EPD design.

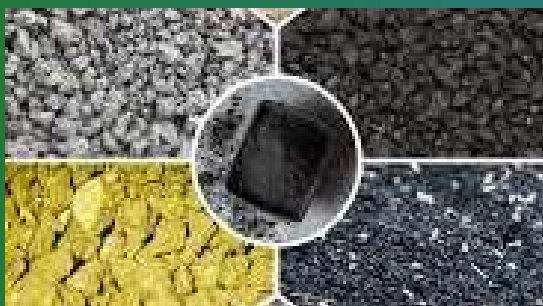
# Potential DoPC Workflow



- EN 15804
- Voluntary Zone
- Regulatory Zone (CPR)

## Why to create an DoPC and an EPD?

### Advantages for other stakeholders - Examples



#### Context Allocation

Without the additional context usually contained in EPDs, it will not be possible how some materials were treated when entering the product system: co-product allocation, waste allocation, secondary materials?



#### Recycling content Pre vs post-consumer

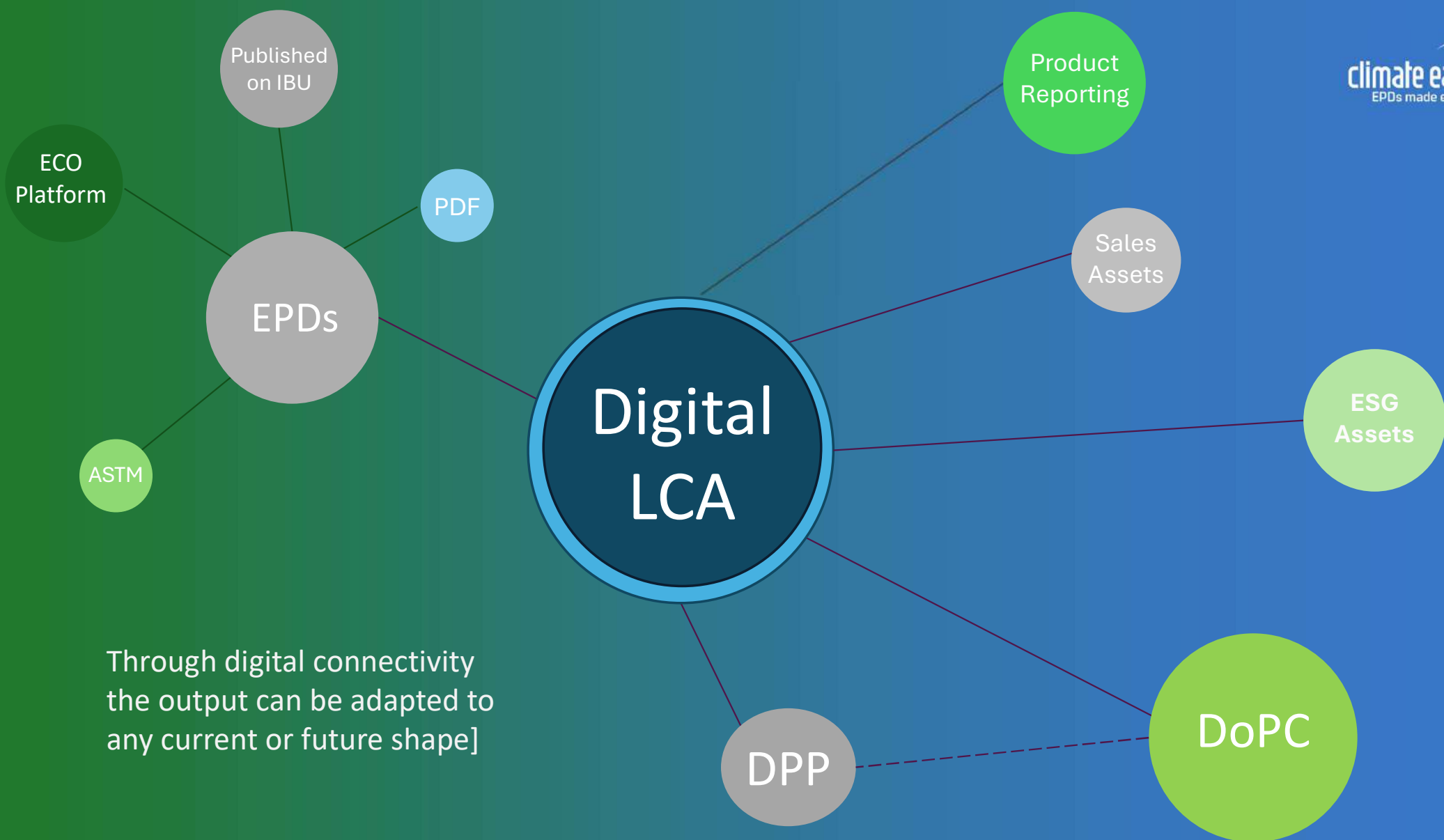
The indicator for secondary materials in the table of use of resources usually includes pre- + post-consumer material. However, for many industries, it is imperative to provide the post-consumer %.



#### Additional Compliance ISO 21930

Some EPDs, under specific Pos, allow double compliance with EN 15804 and ISO 21930. This is a very important aspect for many manufacturers operating in other regions outside of Europe or for green procurement purposes.







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