



CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE

BIBM Congress 2021

Copenhagen, 15th November 2021



CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE

The members



WKO (AT) Fachverband SteineKeramik	PMC/BMP (BE) Belgian Construction Materials Producers	FDBI (DK) Federation of Danish Building Industries	RTT (FI) Finnish Association of Construction Product Industries
AIMCC (FR) French Association of Construction Products Industries	BBS (DE) German Building Materials Association	BMF (IE) Building Materials Federation	NVTB (NL) Dutch Association for Construction Supply
BVI (NO) Construction Products Norway	BYSAM (SE) Swedish Building Material Producers Association	ASAC (CH) Association of Swiss Aggregate and Concrete Industry	CPA (UK) Construction Products Association
CEMBUREAU European Cement Association	CERAME-UNIE European Ceramic Industry Association	ECP European Concrete Platform	ECSPA European Calcium Silicate Products Association
EURIMA European Mineral Wool Manufacturers Association	METALS FOR BUILDINGS European metals alliance for recyclable & sustainable buildings	EUFCFA European Floor Coverings Association	



CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE

The associate & affiliate members

BIBM European Federation for Precast Concrete

EPF European Panel Federation

CEO European Tool Committee

EACA European Autoclaved Aerated Concrete Association

EAE European Association for External thermal insulation composite

ECAP European Consortium of Anchors Producers

European Copper Institute

EFCA European Federation of Concrete Admixture Associations

EFCC European Federation for Construction Chemicals

EFFCM European Federation of Fibre-Cement Manufacturers

EMO European Mortar Industry Organisation

EPPA European PVC Window Profile and Related Building Products

EuLA European Lime Association

EUMEPS European Manufacturers of Expanded Polystyrene

EuPC European Plastics Converters

EUROFER European Confederation of Iron and Steel Industries

EUROGYPSUM Association of European Gypsum Industries

EUROPEAN ALUMINIUM European Aluminium

EWA European Waterproofing Association

EXCA European Expanded Clay Association

EXIBA European Extruded Polystyrene Insulation Board Association

FEICA Association of the European Adhesive & Sealant Industry

GLASS FOR EUROPE Europe's Manufacturers of Building, Automotive and Solar-Energy

IZA-Europe International Zinc Association Europe

ORGALIM European Engineering Industries Association

PLASTICSEUROPE Association of Plastics Manufacturers in Europe

PPA-EUROPE European Association for Panels and Profiles

PU EUROPE Federation of European Rigid Polyurethane Foam Associations

CEI-Bois

TEPPFA European Plastic Pipes and Fittings Association

UEPG European Aggregates Association

ARGE European Federation of Associations of Locks & Builders Hardware Manufacturers

EAPFP European Association for Passive Fire Protection

CoBuilder

European Council of Vinyl Manufacturers (ECVM)



CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE



Construction products & digitalisation



CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE

Eurospeak & concepts!

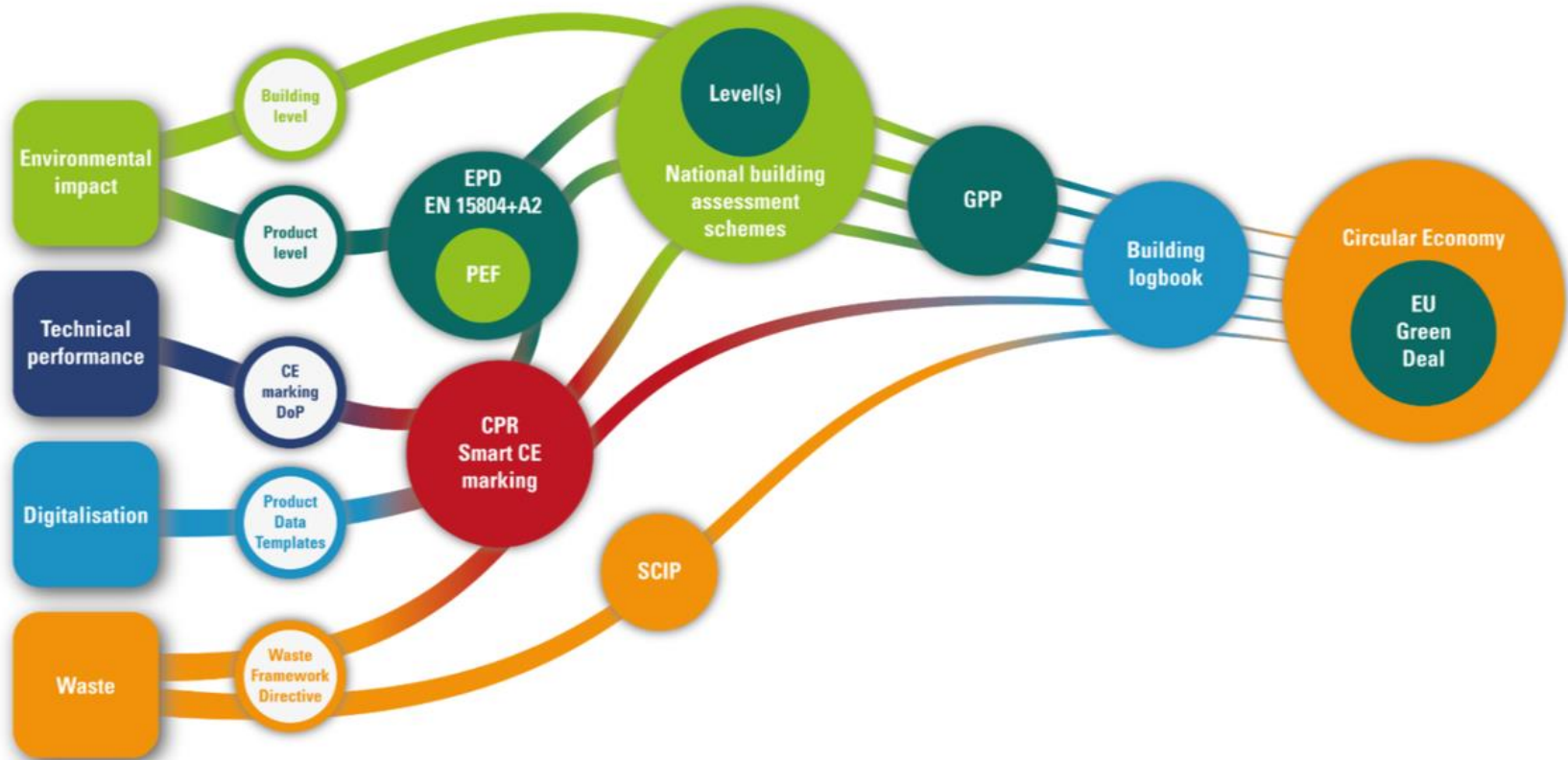


A row of European Union flags on tall silver poles against a blue sky. The flags are blue with twelve yellow stars arranged in a circle. The poles are silver and have a cylindrical cap at the top. The flags are waving in the wind.

EU context



A few years back, we drew the pathway...





... now we have this!

European Green Deal

COM(640) 11th December 2019

- Aim: to tackle climate & environmental challenges, i.e. no net greenhouse gas emissions in 2050 & economic growth decoupled from resource use.
- **Construction (products)** listed as one of the industries where policies have to be redrawn, i.e. **decarbonisation**.
- “The EU should ... invest in ... digital transformation and tools as these are essential enablers of the changes.”
- Direct link to **Construction Products Regulation** and (ongoing) revision, plus buildings renovation.



CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE

Let us focus ...



Construction Products Regulation (CPR)

- CPR rules access to EU Single Market for construction products.
- Mandatory delivery of Declaration of Performance (DoP).
- Manufacturers own (extremely valuable) DoP data.
- CPR foresees DoP delivery in digital format.
- **We have digital, EU approved, Smart CE marking.**

CPR is about **OUR** products data so must be at the core of EU policies

- Ongoing review of **Energy Performance Buildings Directive** (EPBD) - inclusion of construction products data;
- **EU digital logbook for buildings** - inclusion of construction products data;
- Level(s), **EU sustainability building assessment** tool;
- **Taxonomy** Regulation - inclusion of construction products.

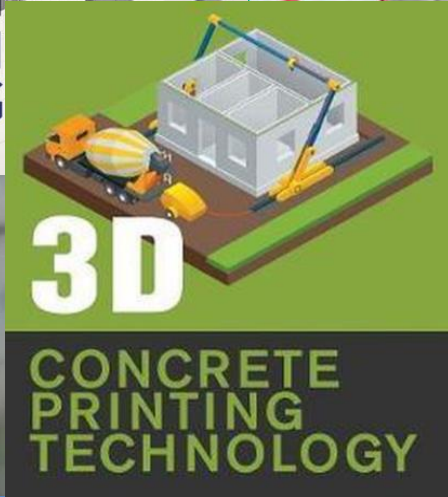
Aiming for CPR to be legal reference/framework

EC new industrial strategy

- EU industries future to be defined by “**roadmaps**”.
- Construction in top three priority “ecosystems”.
- First EC construction roadmap meeting 28th Sept.
- CPE published in-depth proposal on way forward.
- Three pillars: Green, Resilient, **Digital**.
- EC expect roadmap publication early 2022.



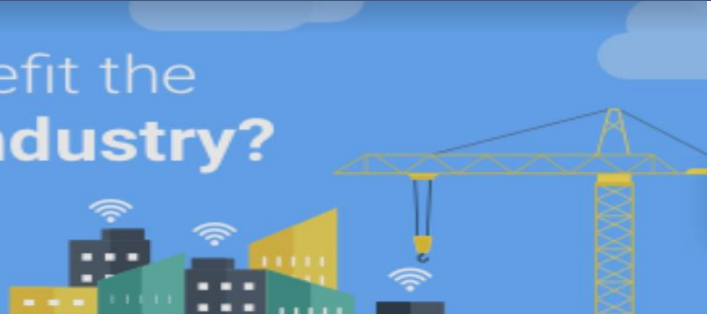
Data is key



Evolution or revolution?



How can IoT benefit the Construction Industry?



First observation & question

- Growing number of digital tools (IoT, robots, drones, AI...), IT industry extremely active, huge investments.
- Difficult topic as companies do not share views so no common EU industry strategy.
- Too many “BIMs” (>150) threaten Single Market.
- Where does digitalisation starts & where does it end?

Follow the value chain

- Construction starts with products & related data.
- Product data via DoPs & Environmental Product Declarations (EPDs).
- Building phase & use phase data to be collected.
- All data compiled in digital “building logbook”.
- As in all such case, data is extremely valuable.
- Question: who owns the data?

One “concrete” example: hype vs reality

- Construction 3D printing techniques still in its infancy.
- Variety of 3D printing methods used in construction, extrusion, powder bonding, & additive welding...
- All have pros and cons & concrete processing 3D printers are not yet ready for manufacturing purposes.
- Why are there so many articles promoting this technology? Who benefits? Who leads the game?

One “concrete” example: hype vs reality

Despite benefits & potential of 3D printing, some factors may prohibit the technology from becoming mainstream:

- Higher costs
- Labour shortage
- Regulations, standards & liability

What are your views? Have you made these known to EU decision-makers?



So what happens
next I hear you ask?

What happens next?

- Digitalisation here to stay but MUST be a tool, not an objective.
- Real issue is data ownership & monetising of data.
- We deliver data (DoPs & EPDs), must now look at digital formats.
- Check automotive industry, user data collection replacing car sales as primary objective.
- Digitalisation guide for construction product manufacturers available ⁽¹⁾, is there a need for further conversation?
- Risk of being just another commodity. Is this the future of construction?

(1) <https://www.theiet.org/media/8843/digitisation-for-construction-product-manufacturers-main-guide.pdf>



CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE

Christophe Sykes
Director General

Construction Products Europe AISBL
Blv du Souverain 68, 1170 Brussels - Belgium
t +32 (0)2 463 49 57

EU Transparency Register 48010783162-91

[website](#) | [twitter](#) | [linkedin](#) | [youtube](#) | [blog](#) | [email](#)