



The European Green Deal

What's in it for precast?

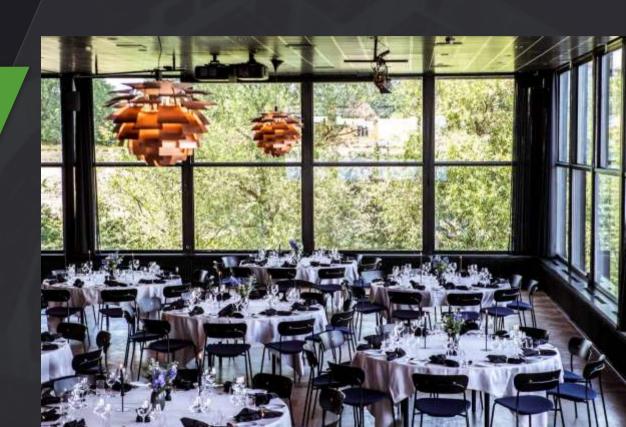
Alessio RIMOLDI Secretary General

Magdalena HERBIK
Public Affairs and
Communication Officer

BIBM – The Federation of the European Precast Concrete industry



Have you already decided what you will do tonight?





And who of you already booked his/her summer holidays?









The European Green Deal

What's in it for precast?

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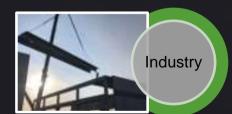
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European Construction

Future developments





Climate change

Call industry to action



Content

1. The EU Green Deal

2. Impact on the precast industry

3. The role of BIBM

4. Conclusion



1. The EU Green Deal

Overarching philosophy behind the drafting and updating of ALL European policies



The EU Green Deal



... is a new growth strategy

that aims to transform the EU into a <u>fair and</u> <u>prosperous society</u>,

with a modern, resource-efficient and competitive economy

where there are <u>no net emissions</u> of greenhouse gases in 2050 and where <u>economic growth is decoupled</u> from resource use



The EU Green Deal for Construciton

Construction 2050

- Zero-carbon
- Sustainable
- Circular



Building in energy/resource efficient way









Addressing Climate change

- Emission Trading Scheme
- Carbon Border Adjustment Mechanism
- Energy Taxation
- Renewable Energy
- Climate law
- Land use and forestry



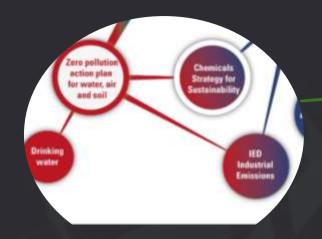




CIRCULAR ECONOMY

- Sustainable Products Initiative
- Ecodesign
- Green Public Procurement
- Substantiating Environmental Claims
- Market for secondary raw materials
- Packaging and packaging waste







ZERO POLLUTION Action plan for water, air and soil

- Drinking water
- Chemical strategy for sustainability
- Industrial Emissions Directive







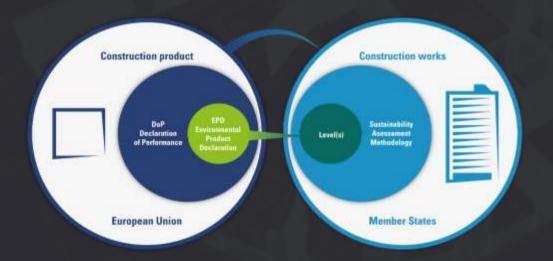
INTERFACE POLICIES

- Construction Products Regulation
- Taxonomy



Construction Products Regulation

- Regulatory framework for the delivery of product performance
- Guarantees a level playing field in the European market





Potential additional products requirements

- Safety
- Environmental
- Sustainable
- Content



Energy Performance of Buildings Directive

- Achieve a highly energy efficient and decarbonised building stock by 2050
- Policies and supportive measures pushing Member States to boost energy performance of buildings and improve the existing building stock

It focuses on energy performance, but additional principles are embedded:

- Decarbonisation
- As complement to sustainable assessment
- Mandatory refurbishment of the building stock





Level(s)

- Scientific, harmonised and transparent methodology with the potential to mainstream sustainability building assessment
- Voluntary ...
- ... but could be
 be referred to in further
 EU legislation,
 like the « Green Public
 Procurement »

Thematic areas	Macro objectives	Indicators
Resource use and environmental performance	Greenhouse gas emissions along a <u>buildings</u> life cycle	1.1 Use stage energy performance [kWh/m2/ <u>yr</u>] 1.2 Life cycle Global Warming Potential [CO2 eq./m2/ <u>yr</u>]
	Resource efficient and circular material life cycles	2.1 Bill of materials [kg] 2.2 Construction & demolition waste [kg/m2] 2.3 Design for adaptability 2.4 Design for deconstruction
	3. Efficient use of water resources	3.1 Use stage water consumption [m3/occupant/ <u>vr</u>]
Health and comfort	Healthy and comfortable spaces	4.1 Indoor air quality 4.2 Time out of thermal comfort range
Cost, Value, and Risk	5. Adaption and resilience to climate change	5.1 Scenarios for projected future climatic conditions
	Optimised life cycle cost and value	6.1 Life cycle costs [€/m²/yr] 6.2 Value creation and risk factors List of indicators in Level(s)



Circular economy action plan

- Started as "resource extraction", then extended to "resource efficiency and waste"
- Link with
 - Construction products Regulation (addressing characteristics like recycled content)
 - Use Level(s) to integrate life cycle assessment into public procurements
 - Promote durability and adaptability (building logbooks)
 - Sustainable finance taxonomy for the economic aspects





Time frame

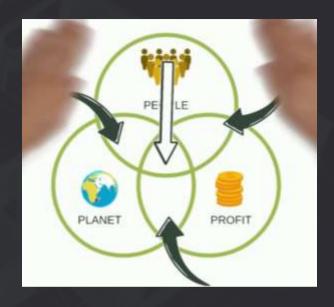
EU level 5 - 10 Market

Far ... but not that much

First step: recognising the challenges (and preparing for them)

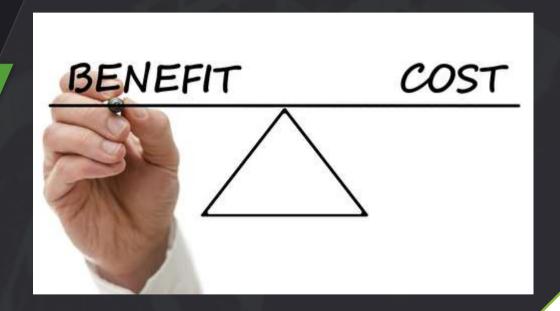


2. Impacts on the precast industry



Embed sustainability principles into daily business







1. Target of value creation



- Employees
- Customers and Clients
- Local communities



2. Definition of value

Quality of the natural environment



Growth opportunities for community members

Well-being diffused among internal/external **stakeholders**



3. Time horizon





4. People

Human capital (capabilities)



Social capital (relationship)

Key to success in transformational change





1. Stakeholder engagement

Anticipate and react

2. Risk management

Outside organisation control

3. Fostering innovation

Cost reduction, new markets

4. Financial performance

Combination

5. Attracting employees

Loyalty, efficiency, productivity



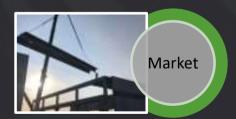
Congress













さ. The Role of BIBM

Achieving a fair legislative environment for the profitable and sustainable development of the precast industry in Europe



EU Legislation







EU Standardisation



- 1. Definition of industry needs
- 2. Coordination of national inputs



- 3. Balancing competitors inputs
- 4. Provide expertise



EU research projects





Insulated precast panels made of 75% of recycled materials



Secondary Raw Materials for Concrete Precast Products

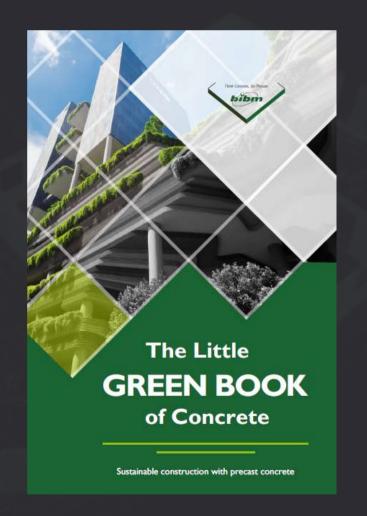


Reuse and Recycling of CDW materials and structures in energy efficient prefabricated elements



Concrete image

https://bibm.eu/docu ment-centre/the-littlegreen-book-ofconcrete-2021/



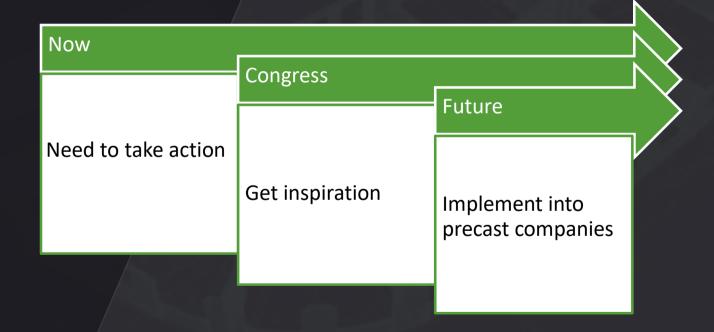


4. Conclusion

- European society is changing
- EU policy is the translation into legal framework
- Precast industry to adapt and anticipate
- BIBM can help



Call to action



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Benefits

Acting sooner (anticipate)avoid being forced – lead by example

 Successful precast: futureoriented, innovative and answering to societal needs in a responsible manner







The European Green Deal

What's in it for precast?

Thank you!

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