



Fagdag – Brussel 28. oktober 2022

Byggevareindustriens Forening

Om oss:

- Norske produsenter
- 225 bedrifter
- Over 5.000 ansatte
- 25 MRD NOK i omsetning
- Ringvirkninger lokalt; 75 MRD NOK

Vår visjon:

En lønnsom og konkurransedyktig
norsk byggevareindustri som er ledende
på bærekraftige løsninger.



Strategiske mål

- Vi har et byggevaremarked med **effektive og rettferdige konkurransevilkår**
- Vi skal bidra til utvikling og etterspørsel av **bærekraftige byggevarer**, og fremme bruken av livsløpsbasert miljødokumentasjon.
- Vi er en pådriver for **digitaliseringen** av byggenæringen
- Vi arbeider for **positivt omdømme** og **rekruttering** til norsk byggevareindustri

Deltakere

Fornavn	Etternavn	Firma	Ledsager
Arne	Jebsen	Hunton Fiber AS	Silje Jebsen
Bjørnar	Gulliksen	Isola AS	Mona Gulliksen
Erik	Øyno	Protan AS	Pernilla Rosenquist
Espen	Stensøy	Skarpnes AS	Janne Storm Pettersen
Geir	Hellerud	Hey Di AS	Elisabeth Horn
Gunnar	Nybø	Bygg Reis Deg AS	Wenche Nybø
Jøns	Sjøgren	Byggevareindustriens Forening	Elin Karfjell
Jørn	Tveite	Skarpnes AS	Inger Tveite
Ketil	Johansen	Isola AS	Elisabeth Aune
Nina	Solli	Byggenæringeres Landsforening	
Nini	Mollatt	Byggevareindustriens Forening	Sigurd Wirstad
Rune Hellerud	Petersen	Hey Di AS	Carina Odenbratt Petersen
Trine	Dyrstad Pettersen	Byggevareindustriens Forening	
Trond	Hagerud	Mapei AS	Beate Skadsdammen
Øyvind	Skarholt	Norsk Byggtjeneste AS	Lene Eikefjord

Dagens program

Tid	Programpost	Hvem
08.45	Oppmøte i møterom på hotellet	
09.00	Velkommen	Arne Jebsen / Jøns Sjøgren
09.15	EU and EØS for dummies Gjennomgang av EUs institusjoner og Norges forhold til EU gjennom EØS avtalen	Anne Bormark, Officer Internal Market Division i EFTA
10.00	Pause	
10.15	NHO er representert i Brussel. Hvordan jobber de for å ivareta norske bedrifters interesser?	Anne Margrethe Lund, Direktør NHO Brussel, Ole Austevoll, NHO Brussel
11.00	Pause	
11.15	General views about the green, digital and resilient construction ecosystem - what should Norwegian manufacturers be aware of?	Christophe Sykes, Director General, Construction Products Europe
11.45	Lunsj	
12.30	Status on the proposal for a revised Construction Products Regulation (CPR)	Oscar Nieto, Policy Officer at European Commission DG GROW
13.00	Digitalisation in Construction – EU policy	Pieter Staelens, Policy Officer at European Commission
13.30	Slutt for dagen	

EUs institusjoner og Norges forhold til EU gjennom EØS-avtalen

Fagdag Byggevareindustriens Forening

Brussel, 28. oktober 2022

Anne J. Børmark
Officer
Internal Market Division
EFTA-sekretariatet, Brussel



EFTA

- The European Free Trade Association (EFTA) er en **mellomstatlig organisasjon** etablert for å **fremme frihandel og økonomisk integrasjon** på vegne av de fire medlemslandene Island, Liechtenstein, Norge og Sveits.
- Organisasjonen har ansvar for driften av:
 - EFTA-konvensjonen
 - EØS-avtalen
 - EFTAs nettverk av frihandelsavtaler



EUs institusjoner

RÅDET

EUROPAKOMMISJONEN



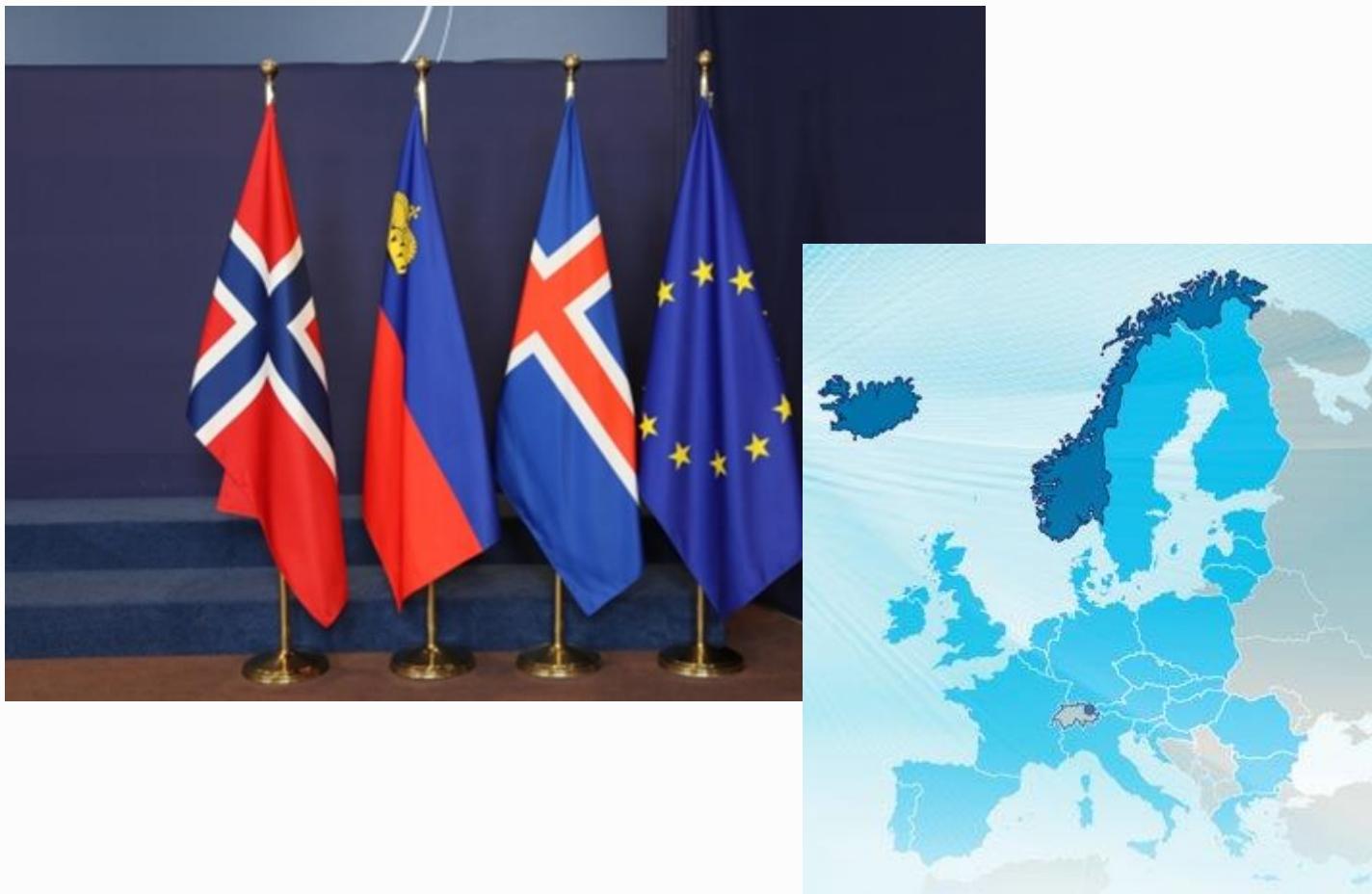
EUROPAPARLAMENTET

EU-DOMSTOLEN



EUROPEAN FREE TRADE ASSOCIATION

EØS-avtalen



EUROPEAN FREE TRADE ASSOCIATION

EØS-avtalens omfang

Fire friheter

- Fri bevegelse av varer
- Fri bevegelse av tjenester
- Fri bevegelse av kapital
- Fri bevegelse av personer

Horisontale områder

- Miljø
- Sosialpolitikk
- Forbrukervern
- Statistikk
- Selskapsrett

Felles regelverk

- Konkuranseregler
- Offentlig støtte
- Offentlige anskaffelser

Samarbeid

- EU-programmer

Økonomisk utjevning

- EØS-midlene



EØS-avtalen omfatter ikke

- > EUs økonomiske og monetære union (euro-samarbeidet)
- > EUs handelspolitikk med tredjeland
- > EUs tollunion
- > EUs landbruks- og fiskeripolitikk
- > EUs skatte- og avgiftspolitikk
- > EUs justis og innrikssamarbeid
- > EUs utenriks-, sikkerhets- og forsvarspolitikk

EU modellen

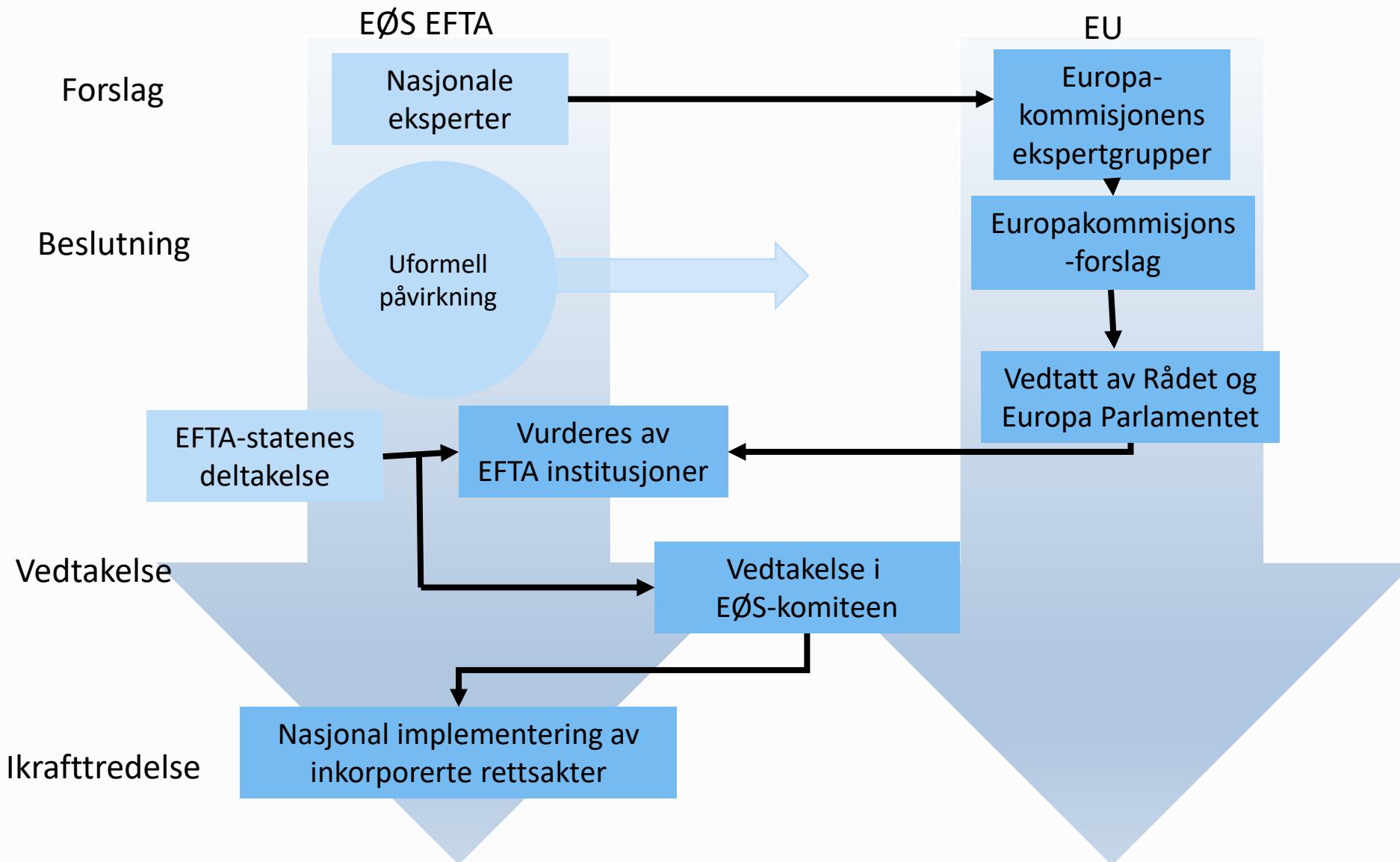
- **Overnasjonalitet**
Overføring av kompetanse og suverenitet.
- **Institusjoner med definerte roller i beslutningsprosessen:**
Europakommisjonen, Europaparliamentet og Rådet.
- **Viktig hensyn**
Bevare EUs beslutningsautonomi

EØS EFTA modellen

- **Mellomstatlig samarbeid**
Uten overførelse av kompetanse og ingen utforming av felles politikk.
- Bestlutninger fattets ved **konsensus** mellom statene, dvs. må være enige
- **Viktig hensyn**
Bevare suverenitet

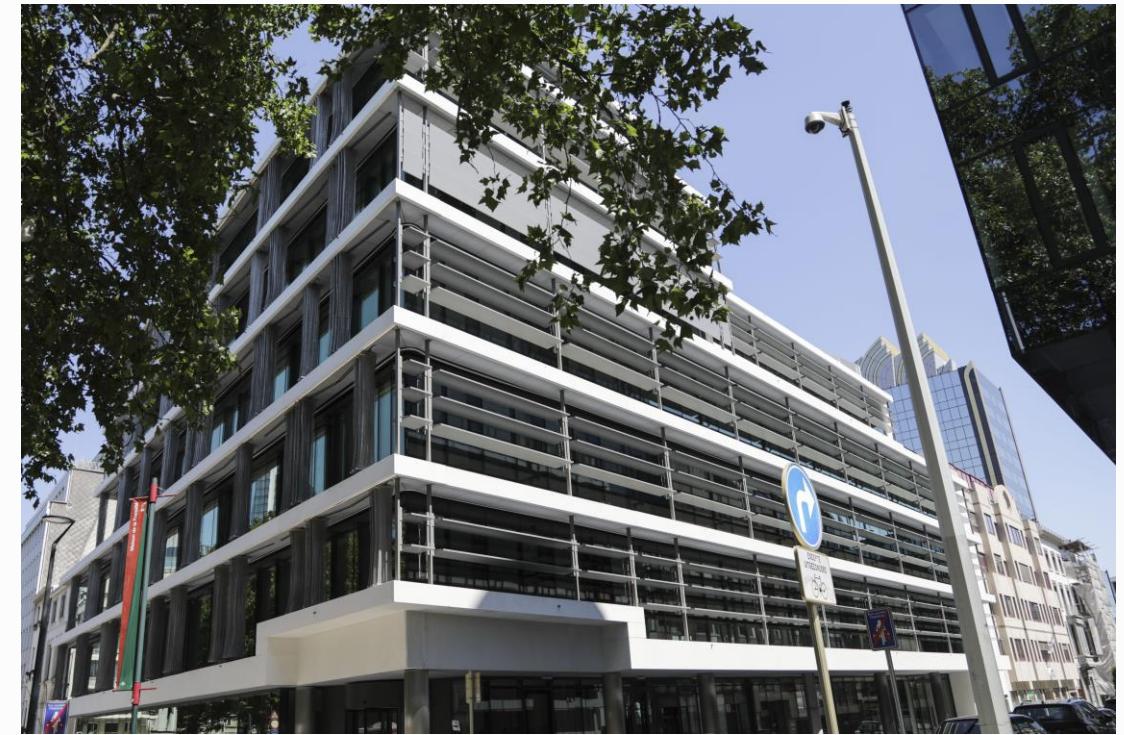


Fra EU til EØS



EFTA-sekretariatet i Brussel – hva gjør vi?

- Bistår EØS/EFTA-landene i deres EØS-arbeid «EØS-prosessen»
- Koordinerer mellom EØS EFTA-landene og Kommisjonen



Hvordan EU-rett blir EØS-rett

1. EU utvikler og foreslår ny lovgivning
2. EU vedtar ny lovgivning
3. Sekretariatet: Identifiserer og foreløpige vurderinger
4. EØS/EFTA statene: Vurderer relevans og behov for tilpasninger
5. Sekretariatet: Utkast til beslutning om innlemelse i EØS avt.
6. Forhandlinger med EU
7. EØS-komitee beslutning
8. Gjennomføring i EØS/EFTA statenes nasjonale lovgivning



EØS EFTA-landene medvirker i regelverksutformingen

1. EU drafts new legislation
2. EU adopts new legislation
3. Secr: Identification and preliminary assessment
4. EFTA states: Relevance and adaptations
5. Secr: Drafts decision for incorporation
6. Negotiations with the EU
7. EEA Joint Committee Decision
8. Implementation in the EFTA States

- Deltakelse i Europakommisjonens ekspertgrupper og komitologikomiteer
- EØS EFTA-kommentarer



EU vedtar nytt regelverk

1. EU drafts new legislation

2. EU adopts new legislation

3. Secr: Identification and preliminary assessment

4. EFTA states:
Relevance and adaptations

5. Secr: Drafts decision for incorporation

6. Negotiations with the EU

7. EEA Joint Committee Decision

8. Implementation in the EFTA States

Official Journal

of the European Union



English edition

Legislation

L 78

Volume 59
24 March 2016

REGULATIONS

- * **Commission Delegated Regulation (EU) 2016/438 of 17 December 2015 supplementing Directive 2009/65/EC of the European Parliament and of the Council with regard to obligations of depositaries⁽²⁾** 11
- * **Commission Regulation (EU) 2016/441 of 23 March 2016 amending Annex II to Regulation (EC) No 1333/2008 of the European Parliament and of the Council as regards the use of Steviol glycosides (E 960) as a sweetener in mustard⁽²⁾** 47

⁽¹⁾ This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.

⁽²⁾ Text with EEA relevance

Acts whose titles are printed in light type are those relating to day-to-day management of agricultural matters, and are generally valid for a limited period.

The titles of all other Acts are printed in bold type and preceded by an asterisk.

EN



EFTA Sekretariatet: Identifikasjon og foreløpig vurdering

1. EU drafts new legislation

2. EU adopts new legislation

3. Secr: Identification and preliminary assessment

4. EFTA states:
Relevance and adaptations

5. Secr: Drafts decision for incorporation

6. Negotiations with the EU

7. EEA Joint Committee Decision

8. Implementation in the EFTA States

EFTA-sekretariatet:

- Identifierer relevante rettsakter og foretar en foreløpig vurdering av:
 - EØS-relevans
 - Behov for tilpasninger
- Sender den foreløpige vurderingen til ekspertene i EØS EFTA-landene



Ekspertene vurderer rettsakten

1. EU drafts new legislation

2. EU adopts new legislation

3. Secr: Identification and preliminary assessment

4. EFTA states:
Relevance and adaptations

5. Secr: Drafts decision for incorporation

6. Negotiations with the EU

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8. Implementation in the EFTA States

Ekspertene i EØS EFTA-landene:

- Behov for tilpasninger?



EØS-komitebeslutning (JCD)

1. EU drafts new legislation

2. EU adopts new legislation

3. Secr: Identification and preliminary assessment

4. EFTA states:
Relevance and adaptations

5. Secr: Drafts decision for incorporation

6. Negotiations with the EU

7. EEA Joint Committee Decision

8. Implementation in the EFTA States

- Utkast til EØS-komitebeslutning utarbeides av EFTA-sekretariatet basert på tilbakemelding fra ekspertene i EØS EFTA-landene
- Godkjennes av EØS EFTA-landene
- Oversendes til Kommisjonens Generalsekretariat



EU vurderer og godkjenner utkast til EØS-komitebeslutning

1. EU drafts new legislation

2. EU adopts new legislation

3. Secr: Identification and preliminary assessment

4. EFTA states:
Relevance and adaptations

5. Secr: Drafts decision for incorporation

6. Negotiations with the EU

7. EEA Joint Committee Decision

8. Implementation in the EFTA States

Europakommisjonen

- Sender utkastet til EØS-komitebeslutning på høring til relevante DGer
- Tidslinjen er avhengig av eventuelle tilpasninger

Rådet

- Hvis utkastet til EØS-komitebeslutning inneholder materielle tilpasninger eller har budsjettkonsekvenser, må utkastet vedtas av Rådet før innlemmelse i EØS-avtalen



Listen over rettsakter som er klare til innlemmelse i EØS-avtalen

1. EU drafts new legislation
2. EU adopts new legislation
3. Secr: Identification and preliminary assessment
4. EFTA states: Relevance and adaptations
5. Secr: Drafts decision for incorporation
6. Negotiations with the EU
- 7. EEA Joint Committee Decision**
8. Implementation in the EFTA States

- EØS EFTA landene og EU blir enige om en liste over utkast til EØS-komitebeslutninger som er klare til å vedtas (“Long-list”)
- Utkastet til EØS-komitebeslutninger settes på agendaen for det neste møtet i EØS-komiteen



EØS-komiteen vedtar beslutningen

1. EU drafts new legislation

2. EU adopts new legislation

3. Secr: Identification and preliminary assessment

4. EFTA states:
Relevance and adaptations

5. Secr: Drafts decision for incorporation

6. Negotiations with the EU

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Vedtakelse av EØS-komitebeslutningen

- EØS-komiteen er ansvarlig for å administrere EØS-avtalen
- Beslutningene vedtas enstemmig



EØS EFTA landene må gjennomføre rettsakten i nasjonal rett

1. EU drafts new legislation

2. EU adopts new legislation

3. Secr: Identification and preliminary assessment

4. EFTA states:
Relevance and adaptations

5. Secr: Drafts decision for incorporation

6. Negotiations with the EU

7. EEA Joint Committee Decision

8. Implementation in the EFTA States

- Ikrafttredelse – dagen etter vedtak i EØS-komiteen
- Overvåkning av EFTAs overvåkningsorgan (ESA)
- Jurisdiksjon under EFTA-domstolen



Aktuelle saker

- ❑ Det europeiske grønne skiftet
- ❑ Digital agenda
- ❑ Kriseberedskap og krisehåndtering, herunder energi

- ❑ Digital Market Act, Digital Services Act
- ❑ Arbeidstakerregelverk
- ❑ Økt makt og muligheter til forbrukerne
- ❑ Single Market Emergency Instrument



EUROPEAN FREE TRADE ASSOCIATION



NHO
BrusseI

AVENUE DE CORTENBERGH 168, 1000 BRUXELLES

En mer uforutsigbar verden

Verden rundt oss preges av usikkerhet. Autoritære krefter utfordrer de liberale demokratiene.

Større skepsis mot globalisering, svekkelse av multilaterale system.

Samtidig krever utfordringer som migrasjon og klima internasjonale løsninger.



Alt henger sammen

- Klimakrisen – den viktigste langsiktige faktoren
- Sikkerhetspolitikk – Russlands invasjon av Ukraina
- Helse og velferd – aktualisert av covid
- Handelskrig og tilgang på essensielle produkter
- Strømkrise for bedrifter og husholdninger

EU i dag – kort mellom avgjørelse og handling

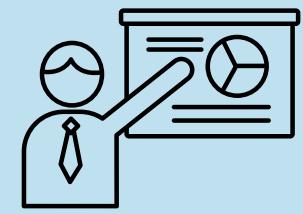


NHO i Brussel

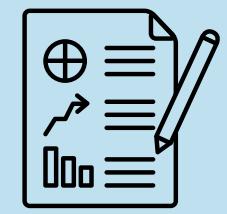
- Kontor i Brussel siden 1970-tallet
- EØS-avtalen svært viktig for norske bedrifter
 - Markedsadgang
 - Regelverk
 - forutsigbarhet
- Brussel legger mye av rammevilkårene for norske bedrifter
- EU er i stadig endring og utvikling – vi må påvirke tidlig



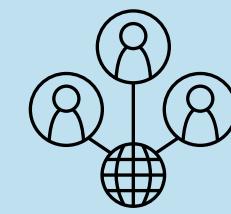
Hovedoppgaver – Brussel



Representere NHO
i Brussel



Informasjons-
innhenting, analyse
og formidling



Nettverksbygging
og påvirking



Øke/sikre EU-
kompetansen i
NHO-systemet

Business Europe

- Paraplyorganisasjon for europeisk næringsliv
- Representerer 20 millioner bedrifter gjennom 40 organisasjoner i 34 land
- NHO er fullt medlem med alle rettigheter
- En av våre viktigste påvirkningskanaler
- Arbeidsgrupper på de ulike temaområdene med ansatte fra NHO-fellesskapet



BUSINESSEUROPE

Team Norway



Prioriterete områder



Energi og klima

Klimareguleringer (FF55),
taksonomi, CCS,
sirkulærøkonomi



Indre marked

Industristrategier, råmaterialestrategisk autonomi



Arbeidsliv

Minstelønn, plattformarbeid,
retten til å logge av



Handelspolitikk

Ny sikkerhetspolitisk situasjon
etter Russlands krig mot
Ukraina

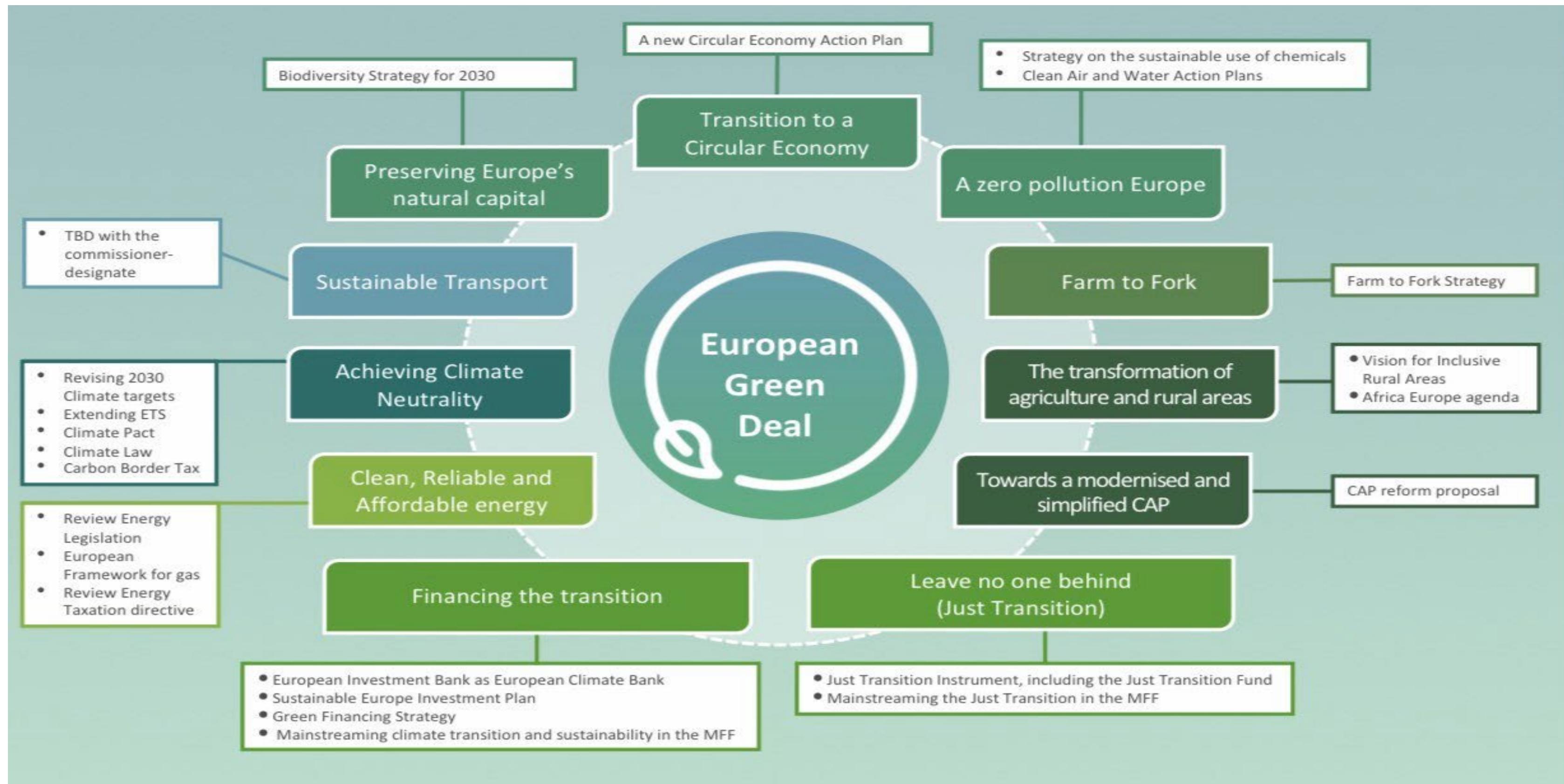


DELIVERING THE EUROPEAN GREEN DEAL

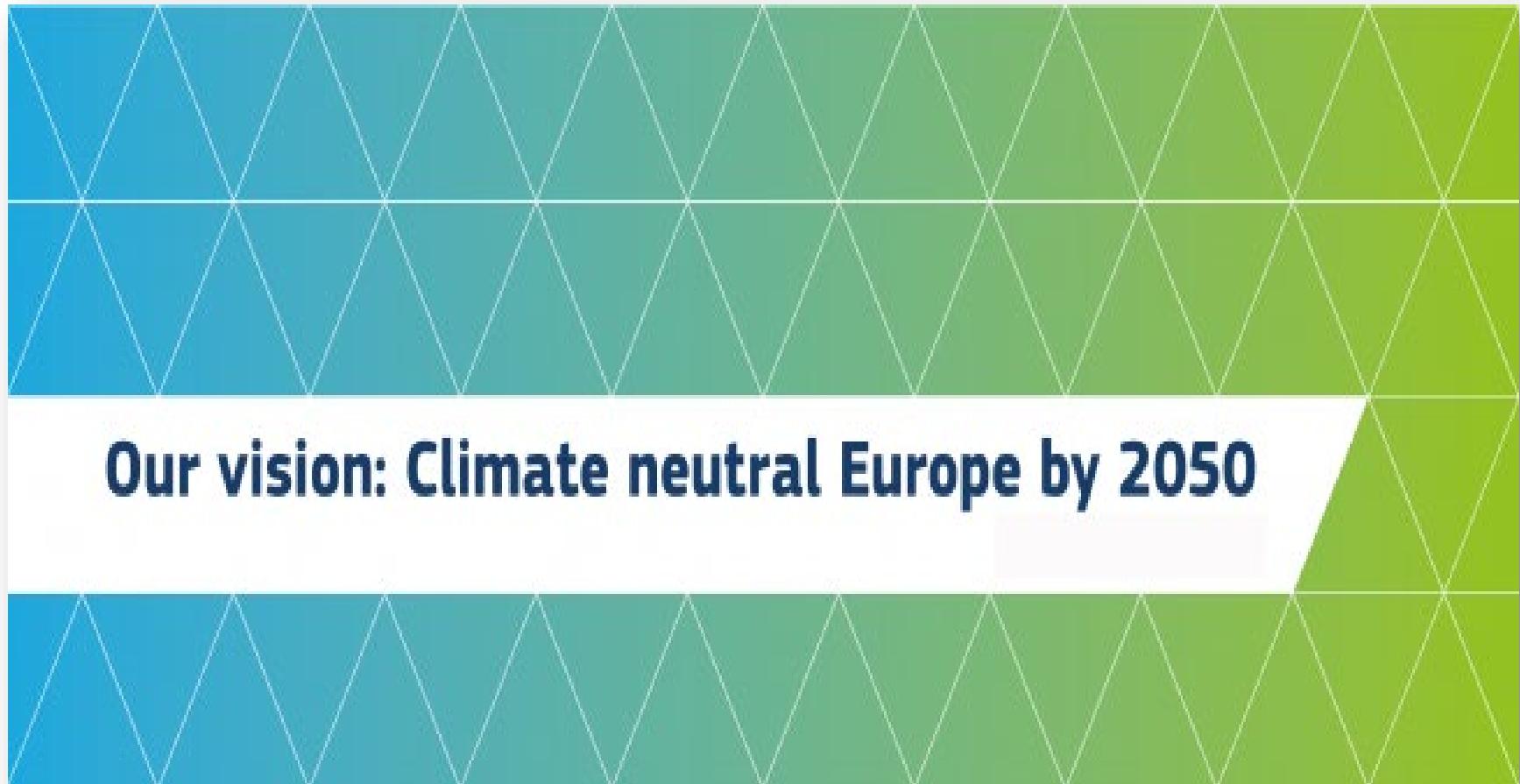


Green Deal

EUs klima og vekst strategi



Norwegian business **committed** to EU climate ambitions



- NHO supports ambition of reaching net zero by 2050.
- Norway is a fully integrated energy and climate partner for the EU.
- Participating in EU ETS since 2007.
- Near agreement on joint fulfilment and effortsharing agreement with EU towards 2030.
- EU–Norway Green Industrial Partnership

Addisjonalitet

- Krav om at grønt hydrogen skal produseres med **ny fornybar energi**
- **NHO:** merkelig å måtte bygge ny vindkraft for å lage grønt hydrogen, når det finnes et kraftoverskudd i Norge
- **EU-kommisjonen 19.mai:**

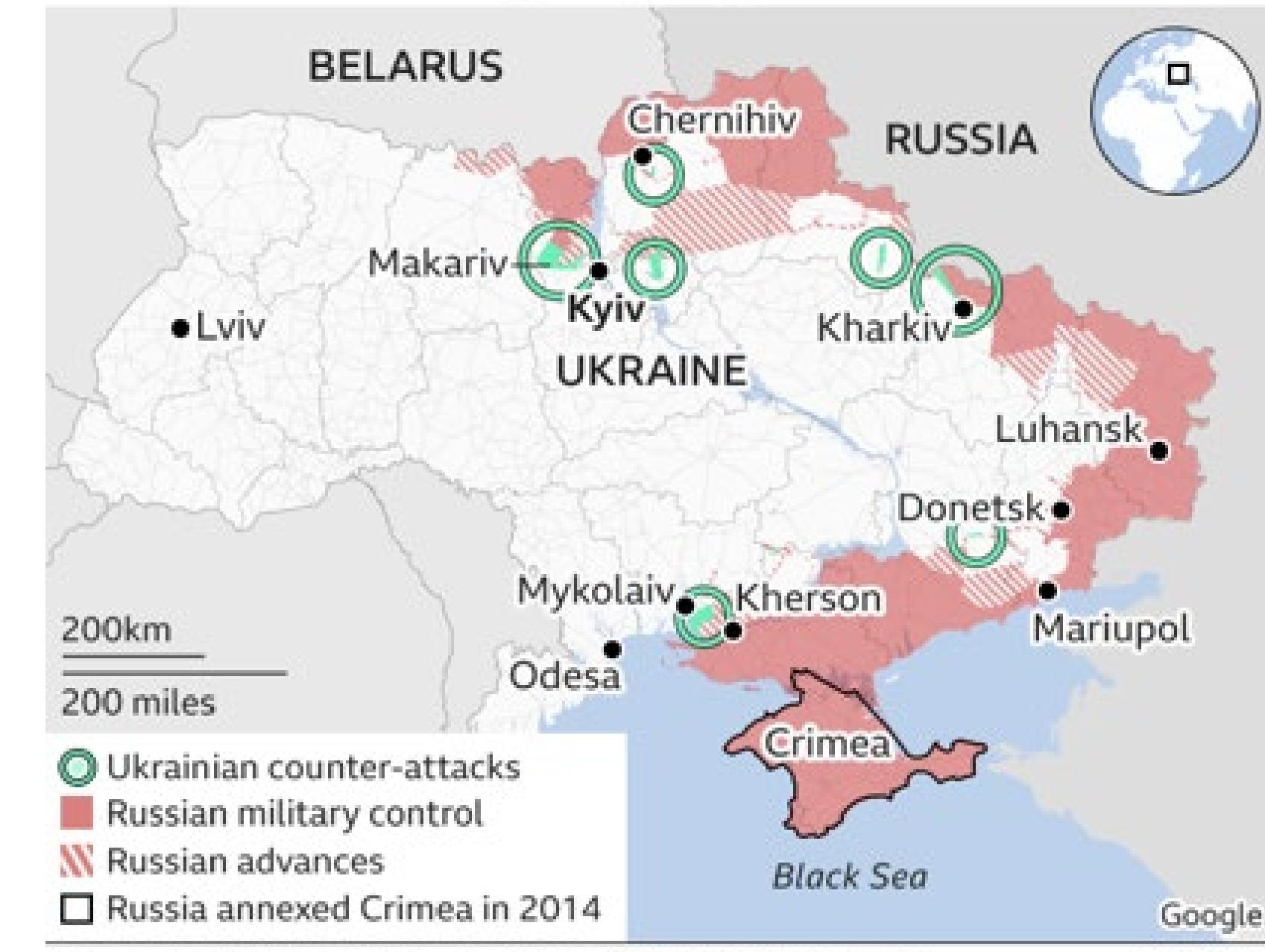
*Dersom strømnettet i en priszone for elektrisitet har mer enn **90 prosent fornybar energi i gjennomsnitt over ett år**, kan en bruke dette til å produsere grønt hydrogen*



Europa i krig akseleerer det grønne skifte

- Ny energi- og sikkerhetspolitisk virkelighet
- **Diagnose:**
Krig og definitvt geopolitisk brudd med Russland
- **Medisin:**
 1. Nye gasspartnere,
 2. Energisparing
 3. Massiv utrulling av fornybar kraftproduksjon

Ukrainians attempting to push back Russians



Vårt bidrag: A stable and friendly energy partner for Europe



Europe's **largest gas supplier**.



Balancing the European grid through nordic interconnectors, and subsea interconnectors to Denmark, Germany and UK.

Kontakt oss



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brussel@nho.no



nho.no



NHO Brussel



[nhobrussel](#)



[NHOBrussel](#)





Construction Products Norway

Brussels, 28th October 2022

Introduction

- ▼ Established in 1988;
- ▼ Association re-launched in June 2013;
- ▼ Work towards **consensus** on generic issues;
- ▼ Membership made up of over 50 national and EU associations.

Purpose:

Lobby on CE marking & sustainable construction



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

EUFCA European Floor
Coverings Association

The associate & affiliate members

BIBM European Federation for Precast Concrete	EPF European Panel Federation	CEO European Tool Committee	EAACA 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)



EU legal “check-list”



A blue-tinted photograph showing two individuals in laboratory coats and gloves. One person's hands are visible on the left, holding a pen and writing in a notebook. Another person's hands are visible on the right, also writing in a notebook. They appear to be working in a laboratory or quality control setting.

Why should I be concerned?

From ingredient, to product and Co.

REACH & revision

- Revision announced for end 2022
- Potential new target end 2023
- May be dropped from EC agenda
- Industry demanding postponement of revision
- Objective: toxic-free environment & zero pollution



EU CLP Regulation revision

- EC to publish delayed Revision of EU legislation on hazard Classification, Labelling & Packaging of chemicals revision
- EC proposal may introduce three new chemical hazard labels & eight new chemical hazard classes





CONSTRUCTION PRODUCTS EUROPE
LET'S BUILD AN EFFICIENT EUROPE

.... and more



Chemicals Strategy for Sustainability Towards a toxic-free environment



EU CPR revision

- Revision initiated April 2022
- Would lead to new Declaration of Performance
- May/will include sustainability declaration
- Now in European Parliament & Council



EU CPR revision

10th October European Parliament hearing (IMCO)



EU CPR revision

Calendar

- ❖ 26th Oct. deadline ENVI report
- ❖ 3rd Nov. CPR Berlin conference
- ❖ 8th Nov. Draft report publication if approved by EP legal services
- ❖ 28th or 29th Nov. consideration of draft report
- ❖ 6th Dec. deadline for amendments by MEPs to official report
- ❖ Feb. 2023 compromise amendments
- ❖ March 2023 IMCO vote
- ❖ April 2023 EP Plenary vote

Corporate sustainability due diligence Directive

- Proposed February 2022
- Referred to as EU Supply Chain Law
- Co. to identify negative environmental impacts, then act to prevent, mitigate and remedy them.
- Co. must protect biodiversity, ecosystems, water and air, and combat climate change.



Christophe Sykes
Director General

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EU Transparency Register 48010783162-91
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Proposal laying down harmonised conditions for the marketing of construction products, amending Regulation (EU) 2019/1020 and repealing Regulation (EU) 305/2011

28 October 2022
Unit GROW H.1 – Construction





What is the CPR?

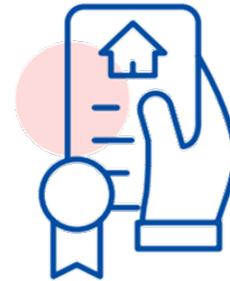
Harmonised conditions for the marketing of construction products

- Single market
 - Free movement of construction products (CE marking)
 - Common technical language
- National Building Codes
- Safety of construction works

Vision of the new CPR

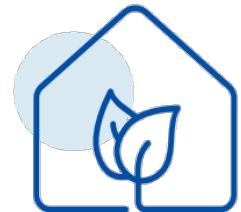
Functioning of Single Market

- unlock the construction sector's growth and jobs potential
- improve the competitiveness of the sector
- digital transition of the construction ecosystem



Environmental Sustainability

- green transition of the manufacturing processes
- overall sustainability of the built environment
- efficient use of natural resources by facilitating reuse and recycling



CPR of today



Elements of continuity

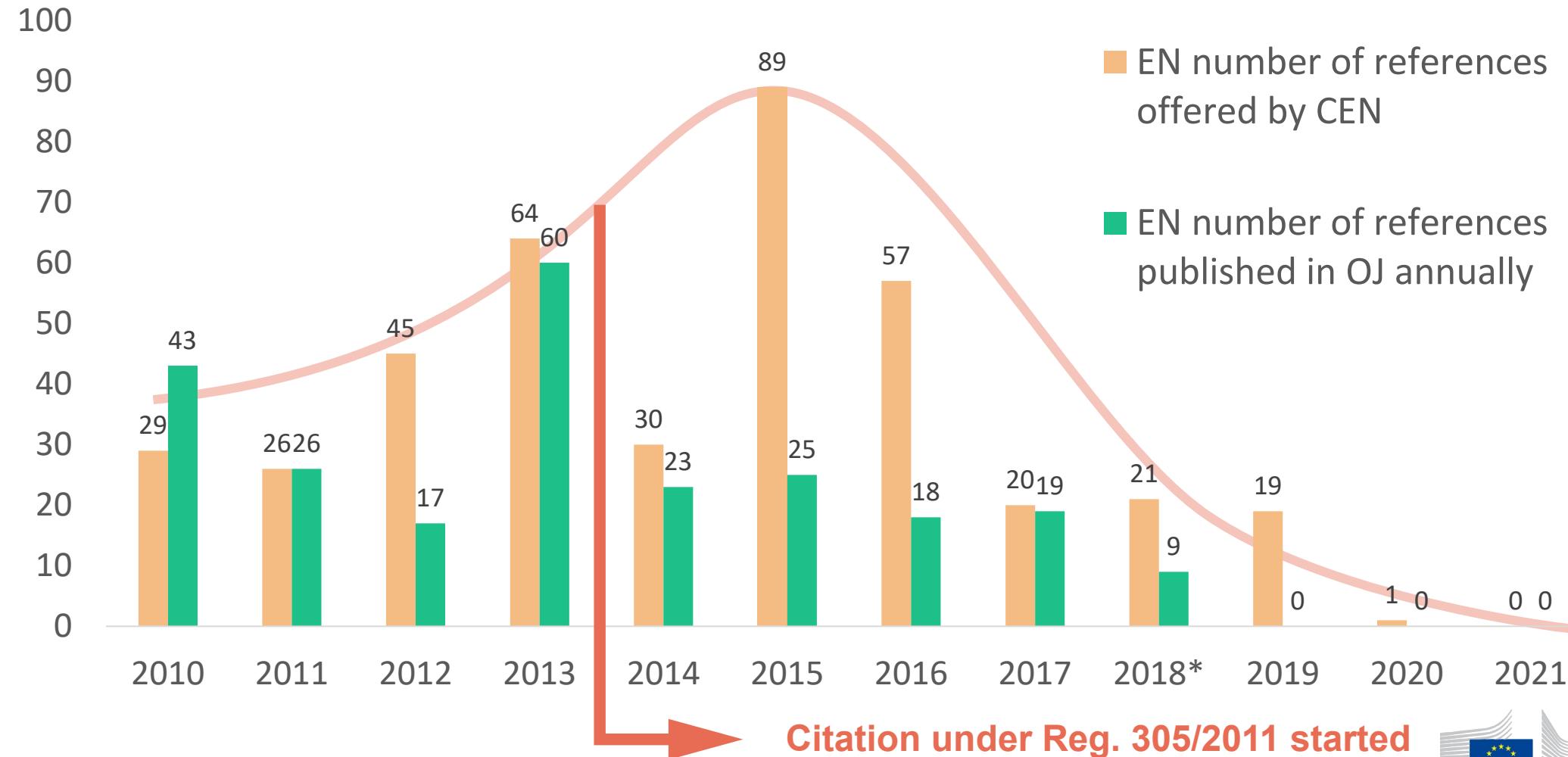
Current CPR's main features maintained and upgraded

DoP and performance with regard to essential characteristics remain the foundation of the system

Mandatory CEN/CENELEC standards remain preferred technical specifications

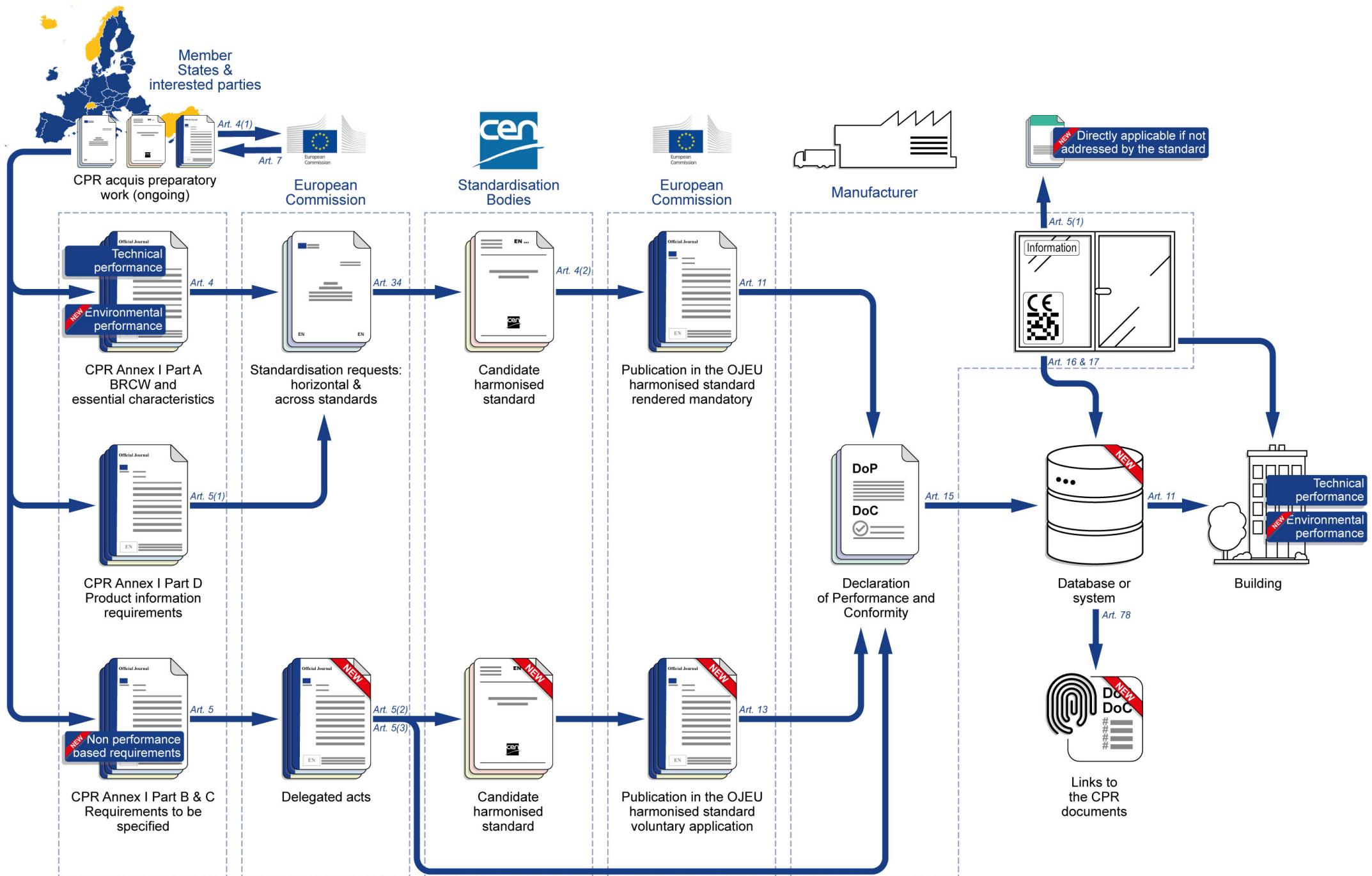
EOTA/EAD path remains an alternative route to CE marking

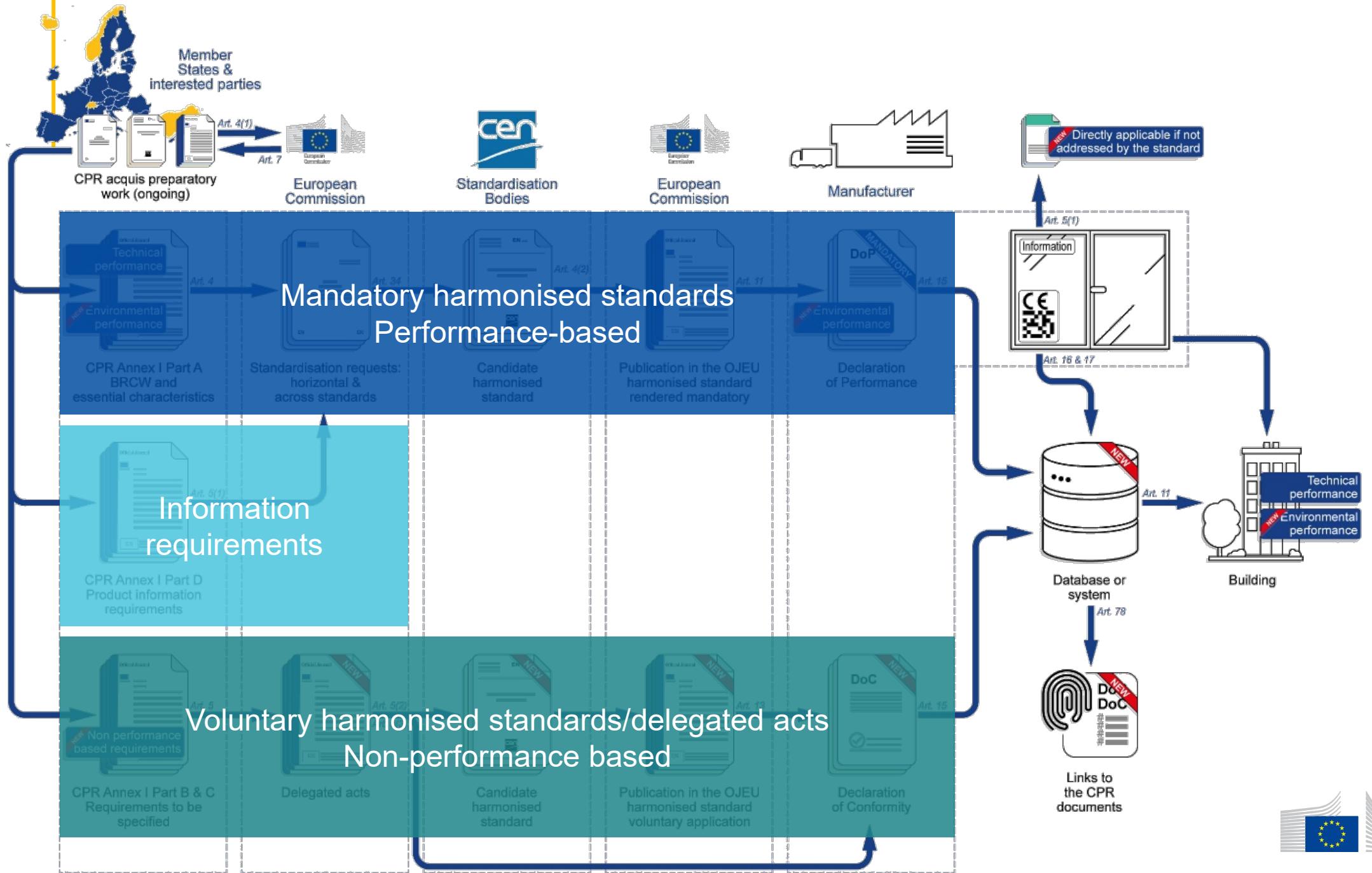
Citation of harmonised standards



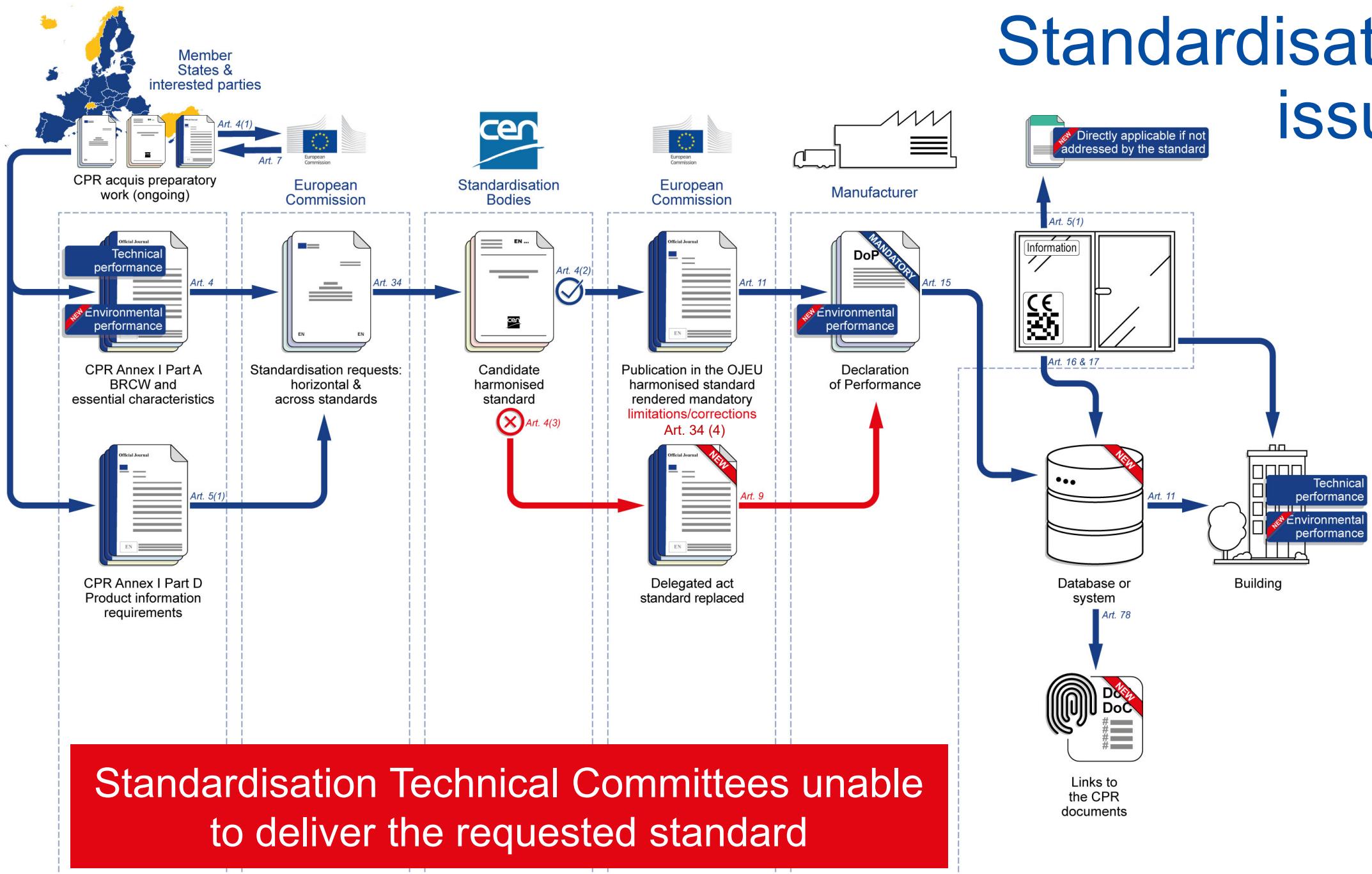
* Among the 9 references published in 2018 are counted also 6 references the publication of which was delayed to 2019 as a consequence of the new publication procedure and the shift to the L-series of the OJEU.

Harmonised technical specifications



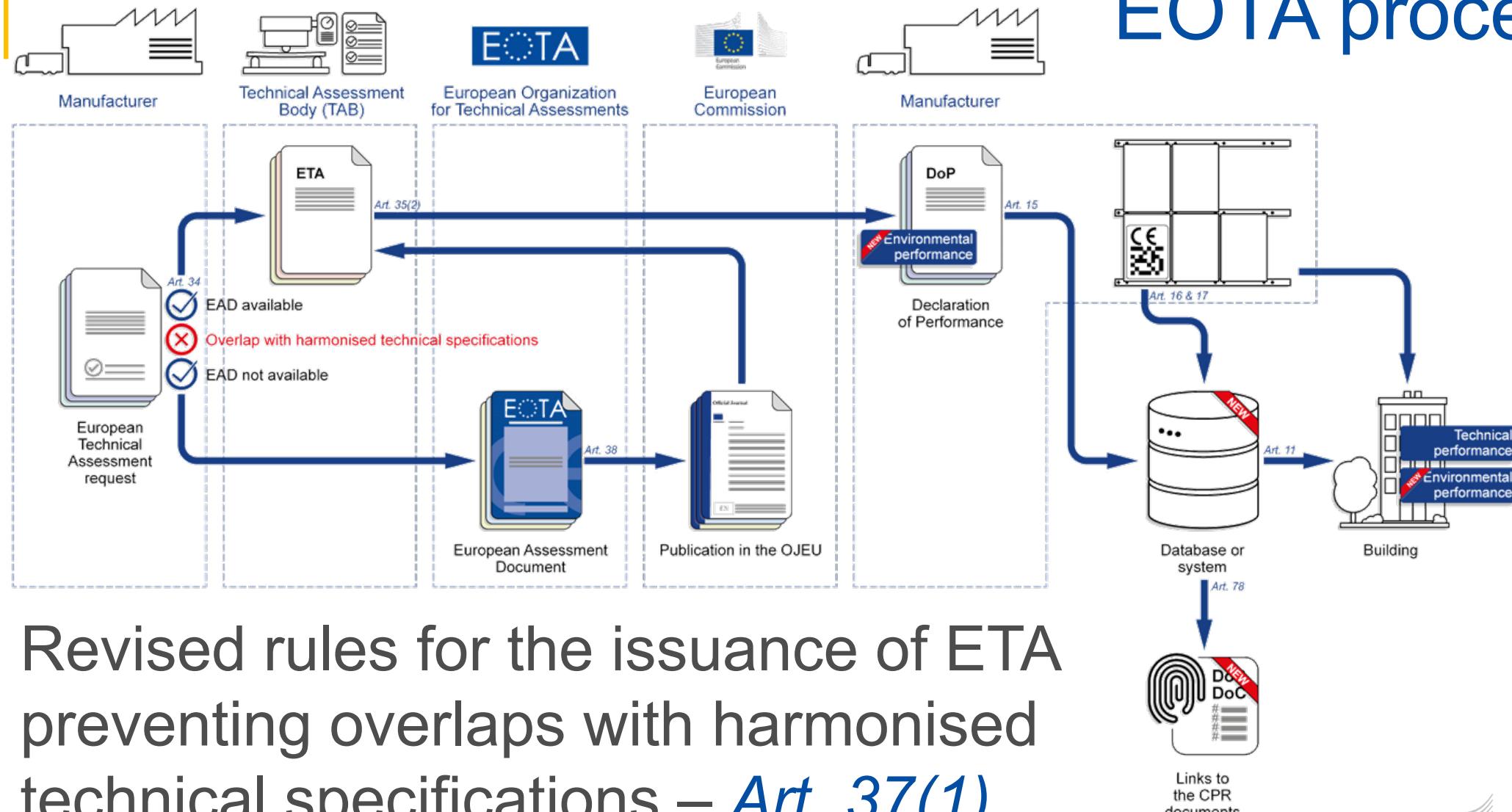


Standardisation issues



EOTA route

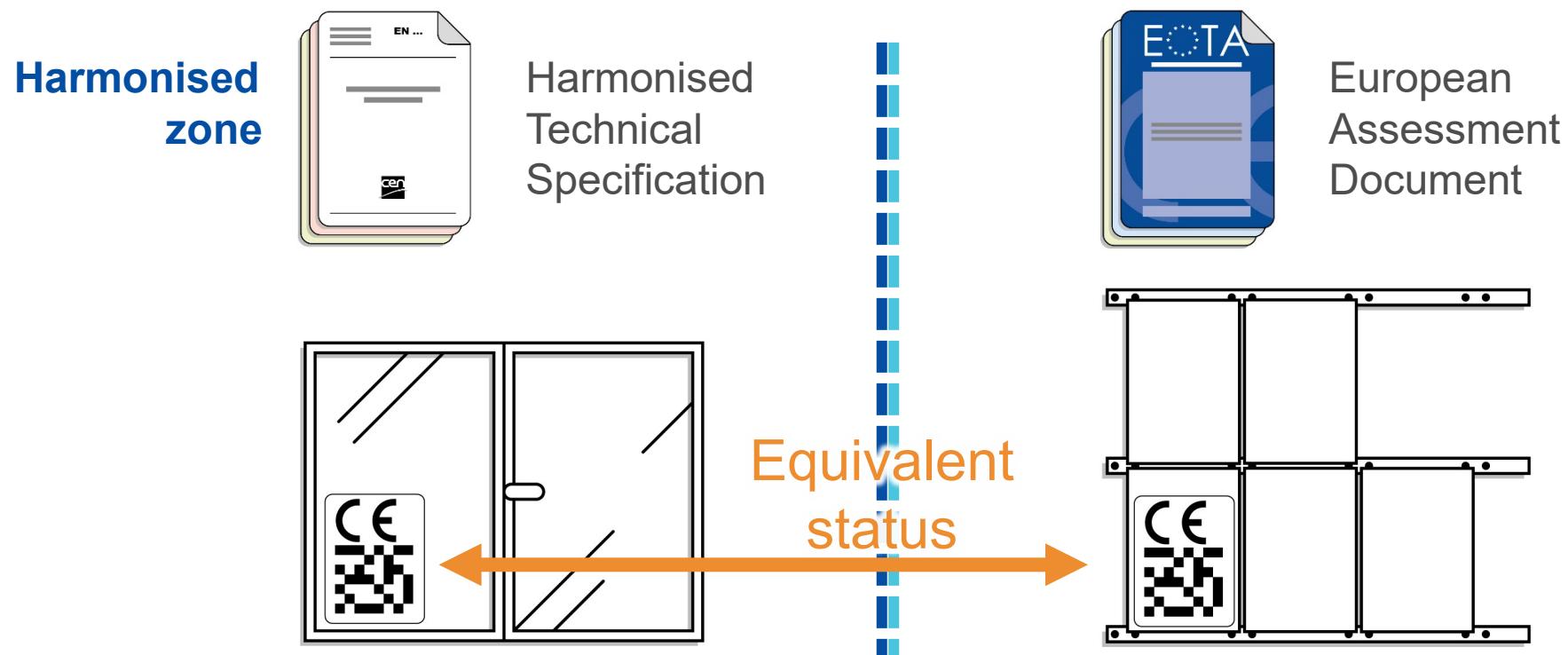
EOTA process



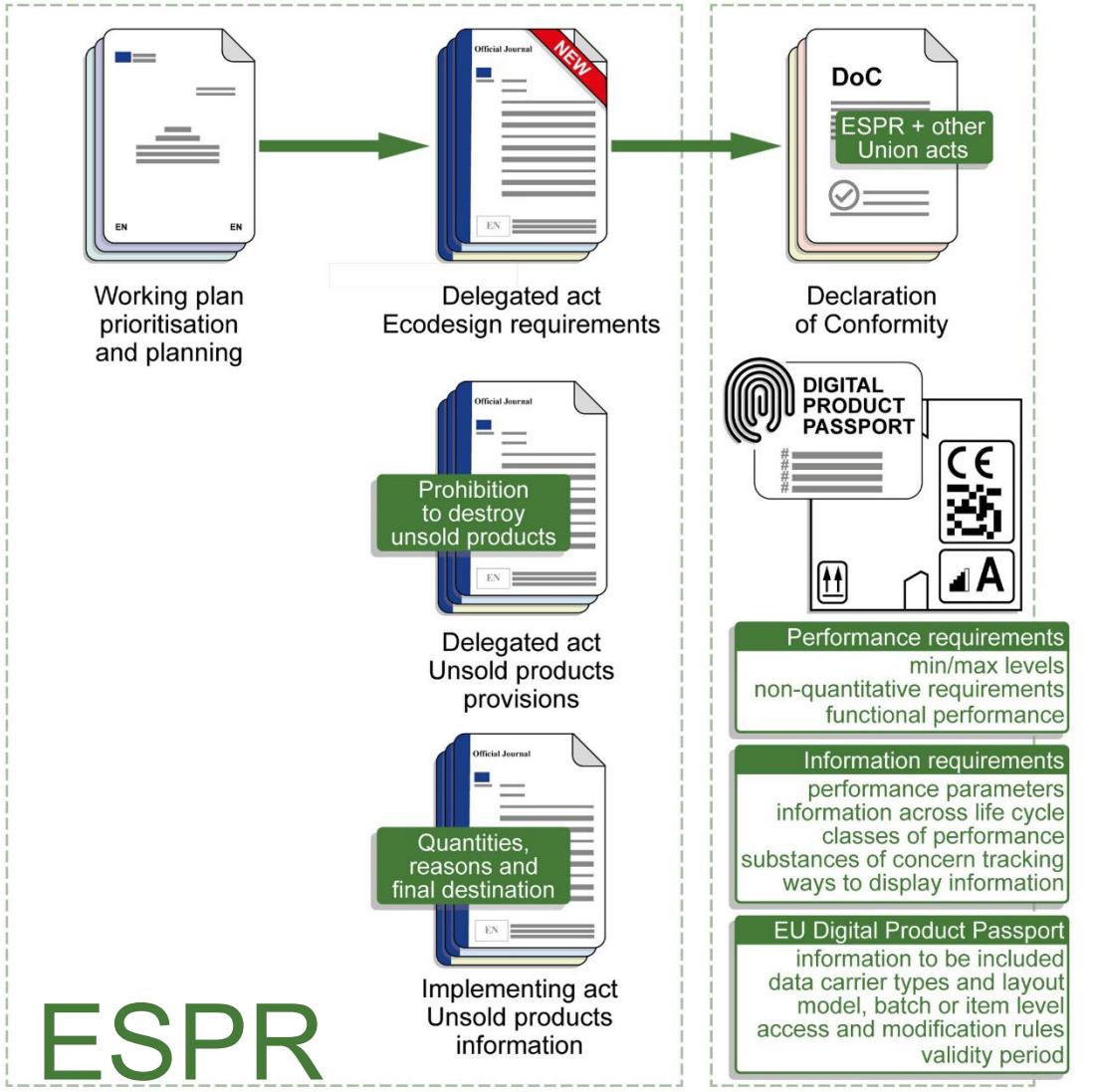
Revised rules for the issuance of ETA preventing overlaps with harmonised technical specifications – *Art. 37(1)*

CE marking

CE marking common approach and equivalent status, but only HTS in the harmonised zone – *Art 42(5)*



ESPR - CPR



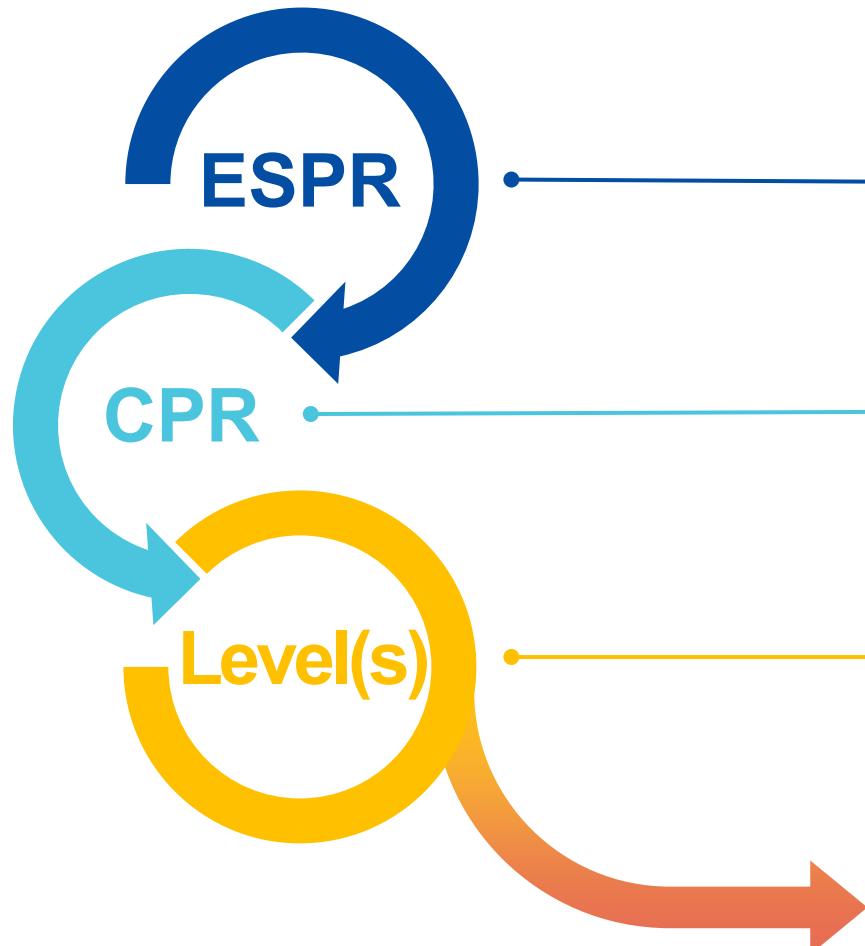
ESPR framework

Regulation defines general framework
(objectives, scope, procedures, etc.)

Product-specific delegated acts to define
mandatory performance and info
requirements

Other product legislation can regulate
sustainability of its products instead of
ESPR to achieve these goals ►
as CPR for construction products

EU Regulatory framework



Ecodesign for Sustainable Products Regulation

Setting performance and information requirements for products placed on the Single Market

Construction Products Regulation

Delivery of environmental information from construction products and implementation of requirements

Level(s) methodology

Sustainability assessment of buildings

Taxonomy

Sustainable activities

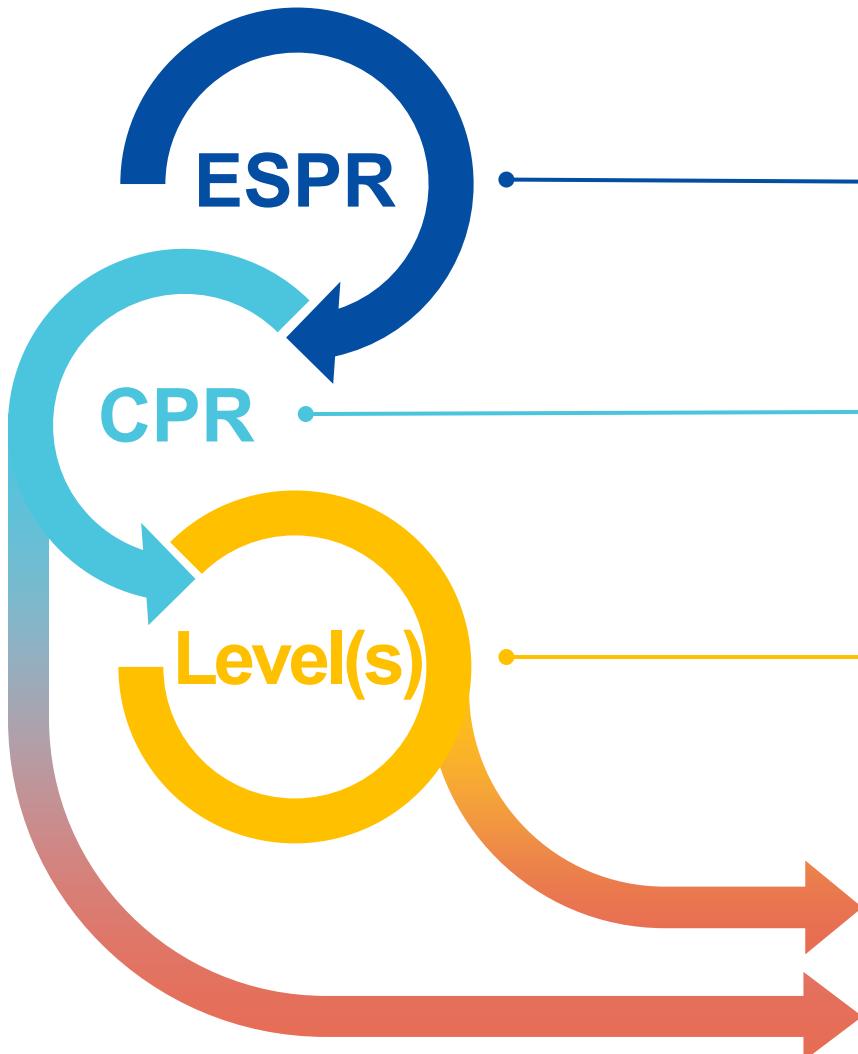
EPBD

Sustainable buildings

EED

Public procurement of buildings

National Regulatory framework



Ecodesign for Sustainable Products Regulation

Setting performance and information requirements for products placed on the Single Market

Construction Products Regulation

Delivery of environmental information from construction products and implementation of requirements

Level(s) methodology

Sustainability assessment of buildings

National approach

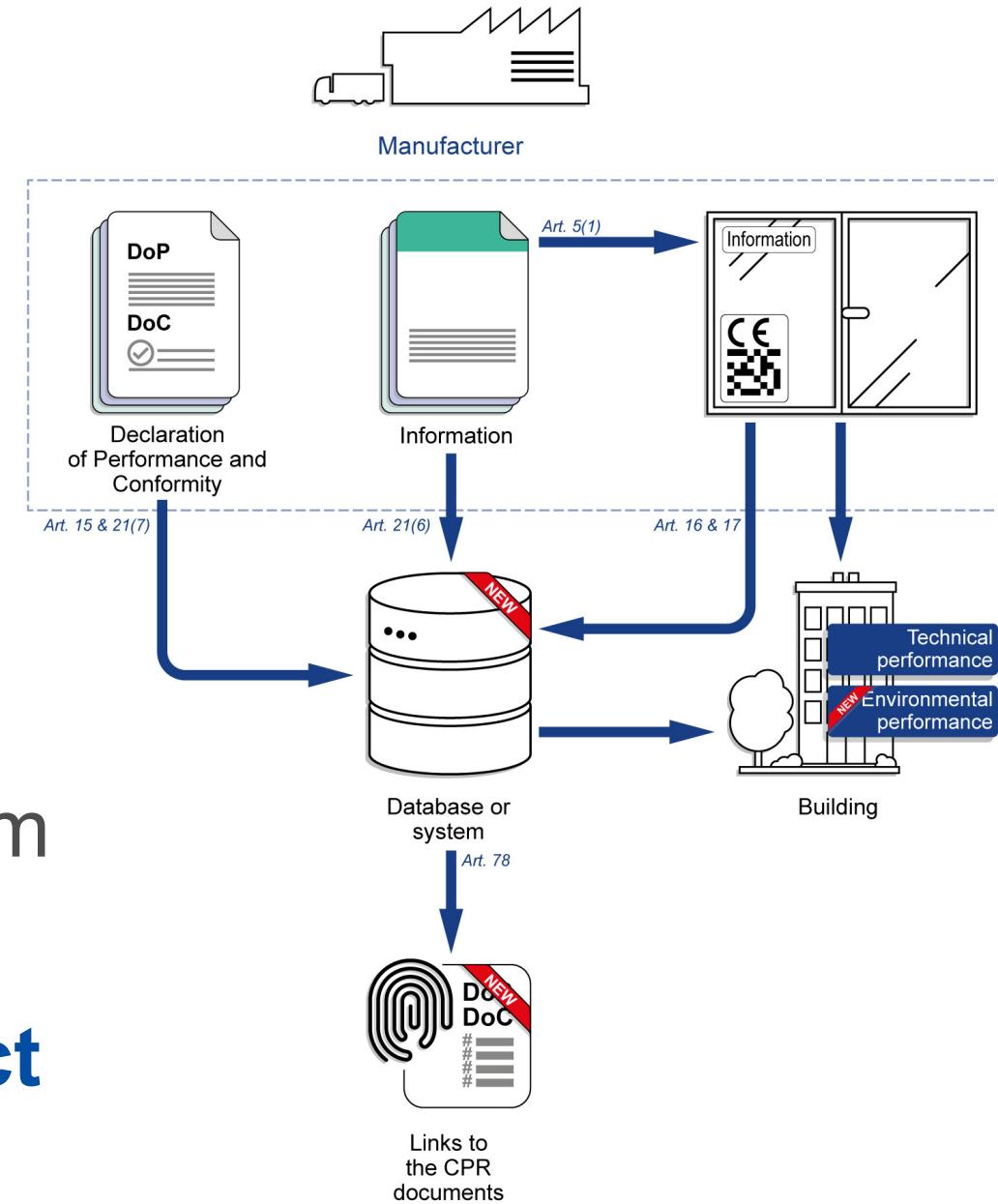
Environmental building assessment
Product Public procurement

Digitalisation

Database or system

The manufacturer shall upload the data of the declaration of performance, of the declaration of conformity, the information and the technical documentation in the EU product database or system

Obligation applicable when the manufacturer makes the product available on the market



Datasets

Climate change effects mandatory declaration according to the COM proposal



LCA environmental information	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-total [kg CO ₂ eq.]	##. # E##														
GWP-fossil [kg CO ₂ eq.]	##. # E##														
GWP-biogenic [kg CO ₂ eq.]	##. # E##														
GWP-luluc [kg CO ₂ eq.]	##. # E##														
ODP [kg CFC 11 eq.]	##. # E##														
AP [mol H ⁺ eq.]	##. # E##														
EP-freshwater [kg PO ₄ eq.]	##. # E##														
EP-marine [kg N eq.]	##. # E##														
EP-terrestrial [mol N eq.]	##. # E##														
POCP [kg NMVOC eq.]	##. # E##														
ADP-minerals&metals [kg Sb eq.]	##. # E##														
ADP-fossil [MJ, net calorific value]	##. # E##														
WDP [m ³ world eq. deprived]	##. # E##														
PM [Disease incidence]	##. # E##														
IRP [kBq U235 eq.]	##. # E##														
ETP-fw [CTUe]	##. # E##														
HTP-c [CTUh]	##. # E##														
HTP-nc [CTUh]	##. # E##														
SQP	##. # E##														

Life cycle assessment environmental information
from construction products

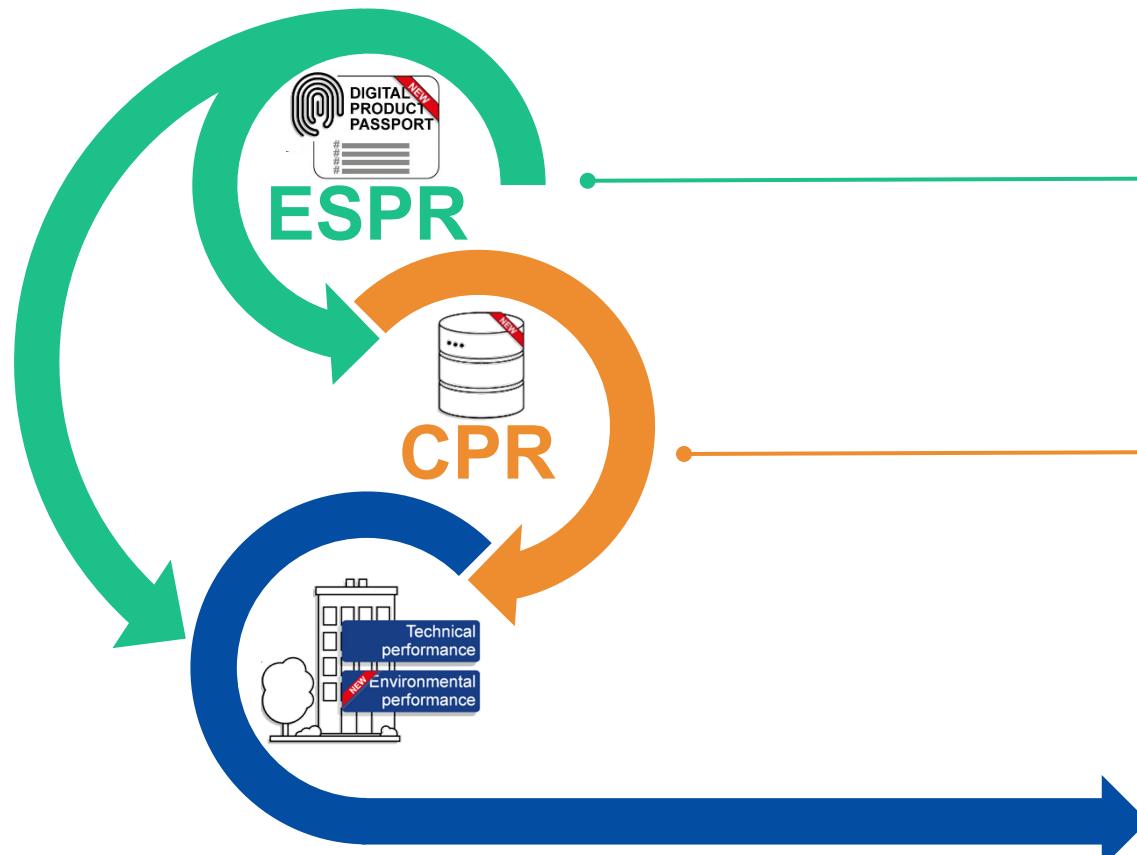
Availability and access

User friendly data registry by companies including Application Programming Interface (API) and SME oriented tools

Restricted areas to Commission and marked surveillance authorities

Open area for any recipient of the information including search tools – **functionality to be defined**

Upstream and downstream interoperability



Ecodesign for Sustainable Products Regulation

DPP content for intermediate products to be linked with CPR database datasets
Recognition of

Construction Products Regulation

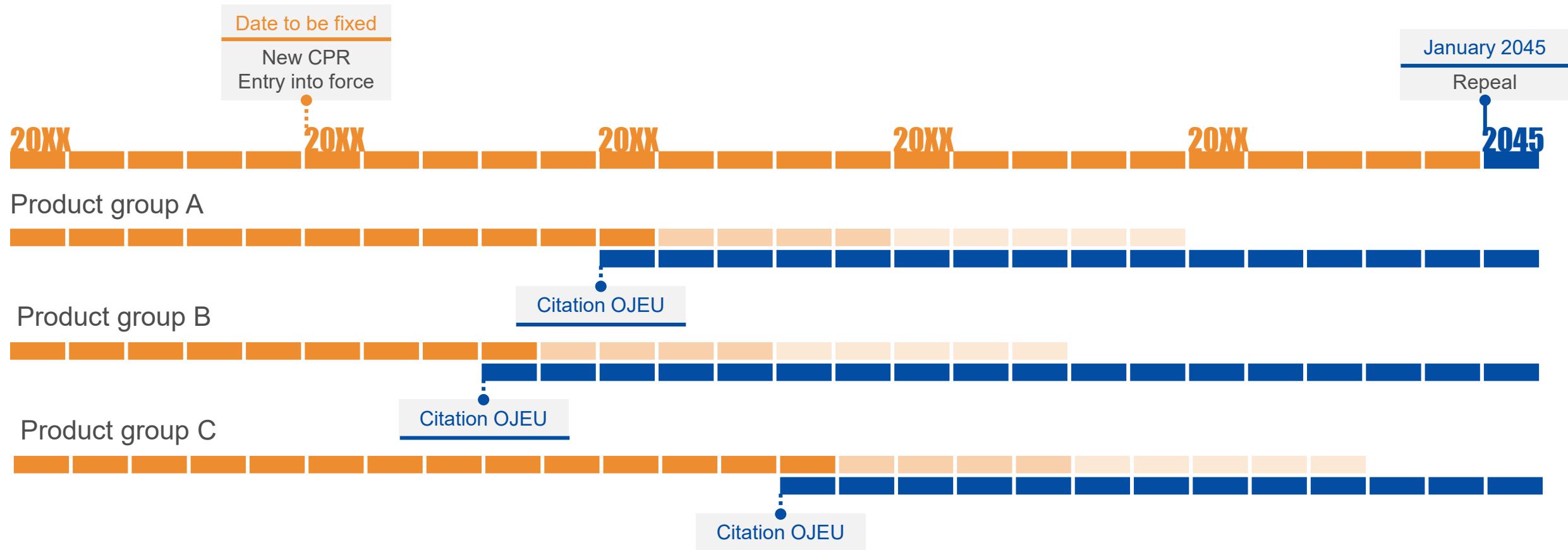
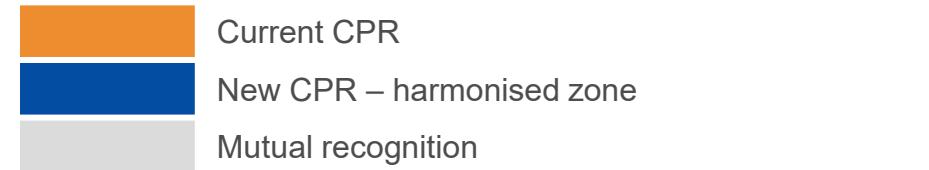
Database of DoP, DoC and information

Future information needs

Digital building logbooks, Level(s), EPBD
Reuse and remanufacturing
Other circularity issues

Transition

Timeline transition process



Different product groups will have different timeframes

Annex I part D applicable when HTS cited in the OJEU

Thank you



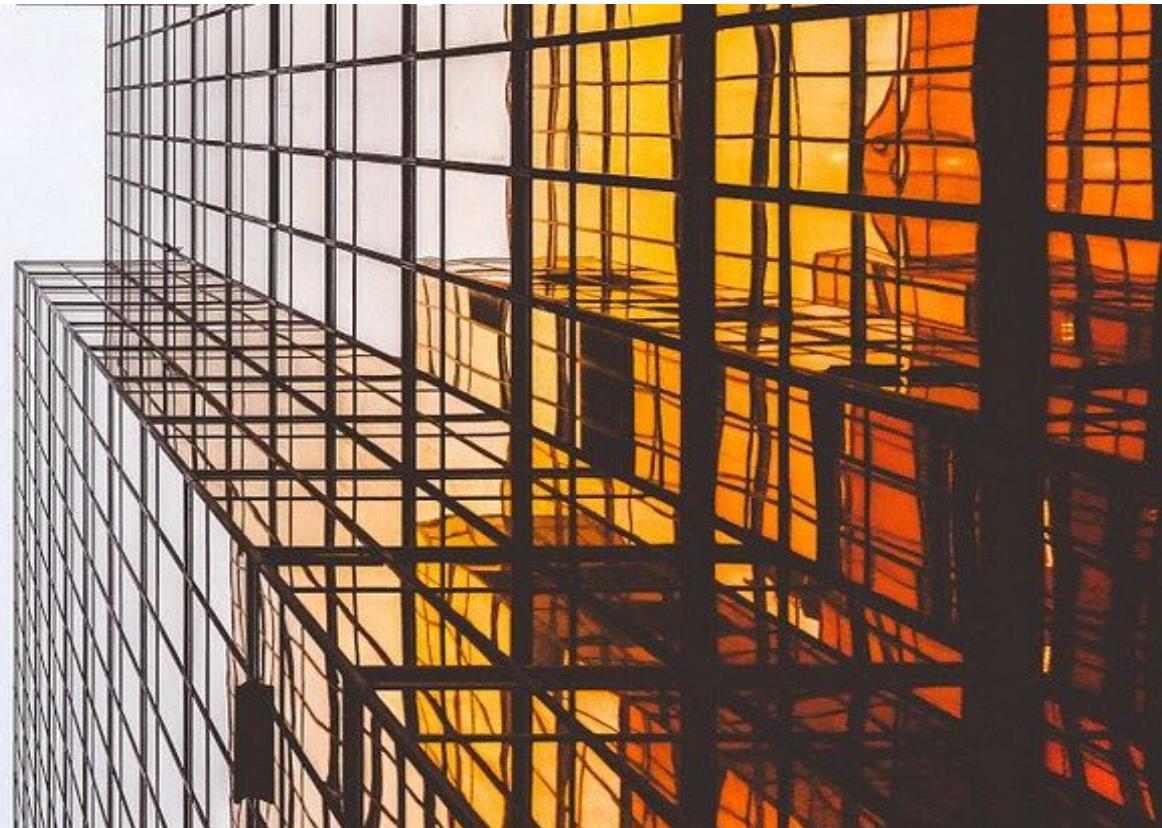
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Picture in slide 2, source: [Pixabay.com](#)

DG GROW H1 – Digital files

Pieter Staelens, Policy Officer, Commission Européenne





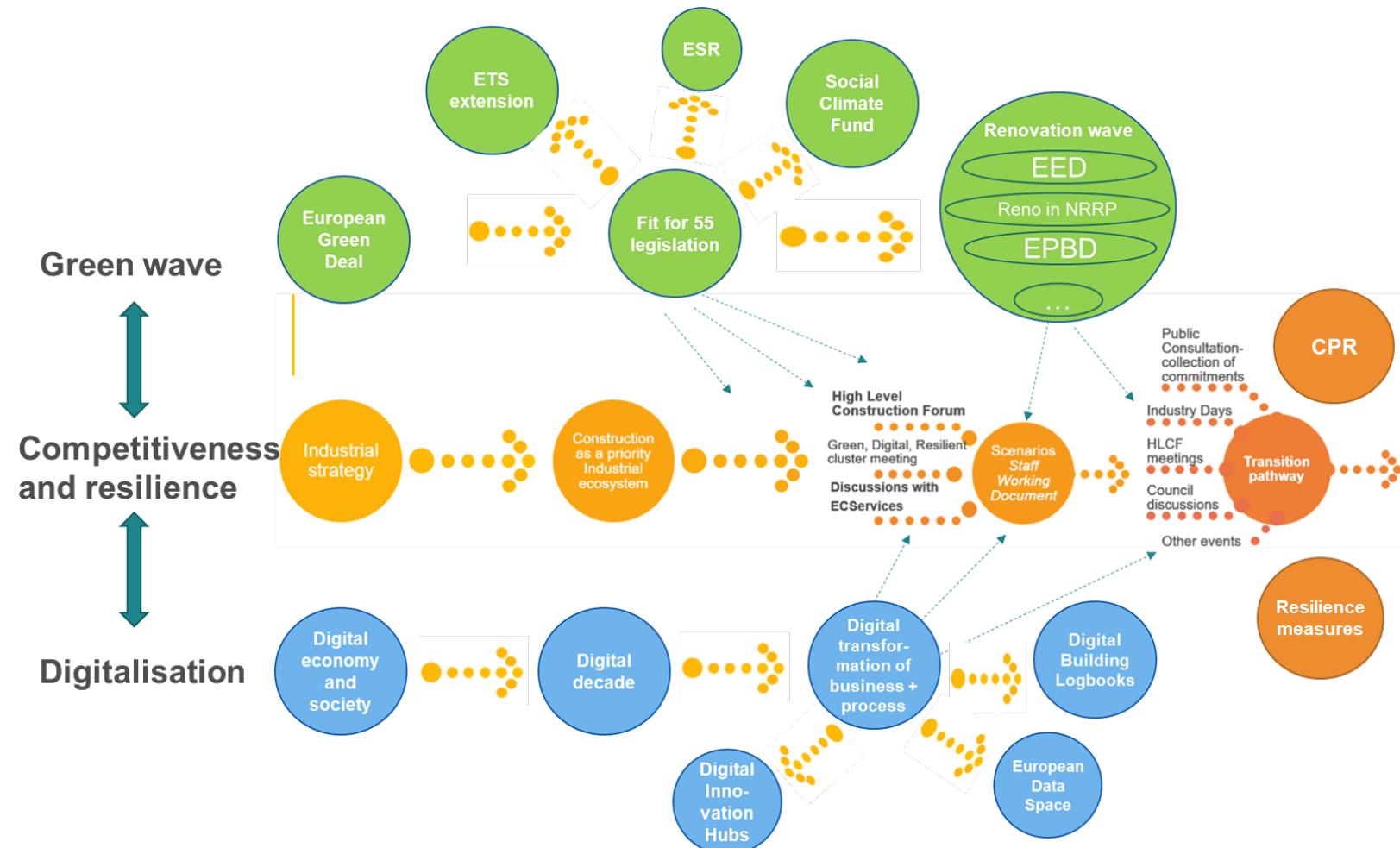
Personal background



- Commercial Engineer, KU Leuven (2003-2008)
- Consulting (2008-2019)
 - urbanism and city development
 - economic and financial calculations for real estate developments
 - market research (housing, retail, industry,...)
 - supporting public authorities in development-related decisions
- Real Estate Valuation (2020 – 2021)
- Policy Officer at the European Commission (2021 - ...)



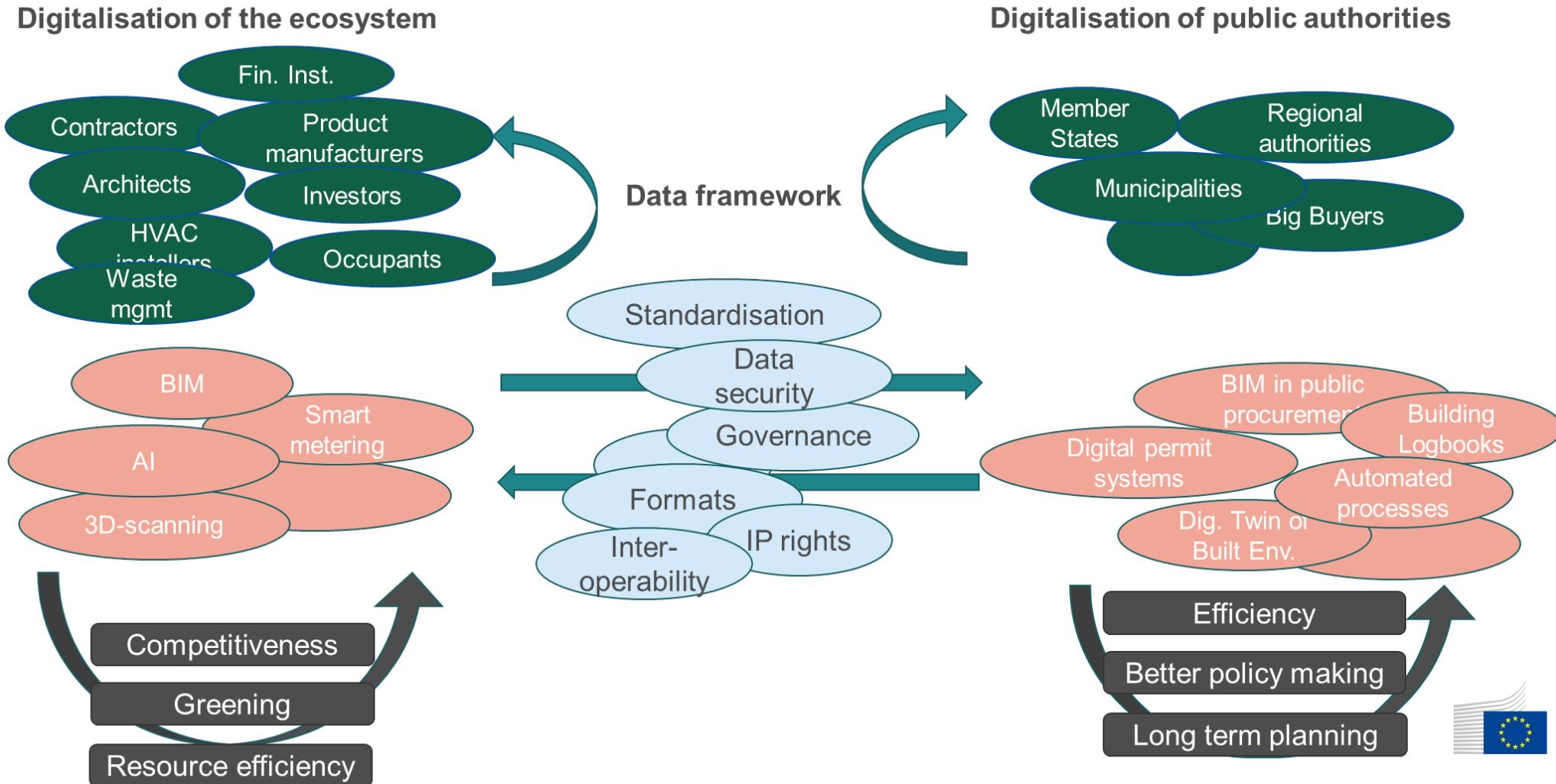
Policy landscape



POLICY LANDSCAPE FOR CONSTRUCTION

- Competitiveness and resilience at the center of DG GROW work
- Implementation of Green Wave for construction
- Implementation of Digital Strategies for construction

Digitalisation: field of actors and initiatives



Digitalisation in construction

Digital Building Permits

Building Information Modelling (BIM)

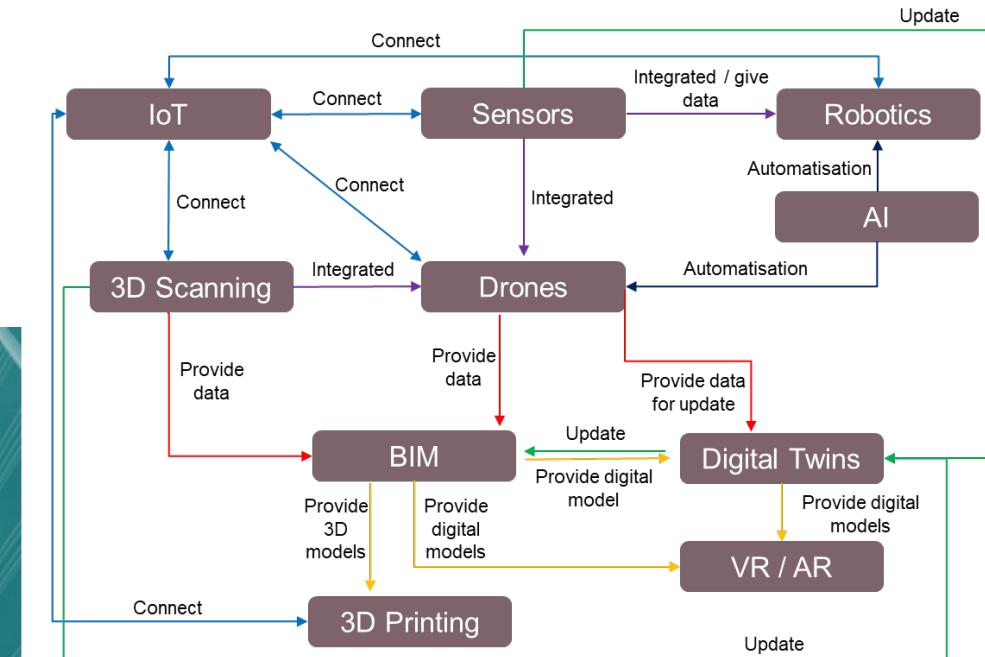
Digital Building Logbook

Digital Innovation Hubs

Data Spaces

Modernising the processes

Supporting the sector



Digitalisation of construction: benefits

Digitalisation is not the goal but one of the means towards a greener and more resilient and competitive construction ecosystem. Digitalisation has significant potential and transformative implications

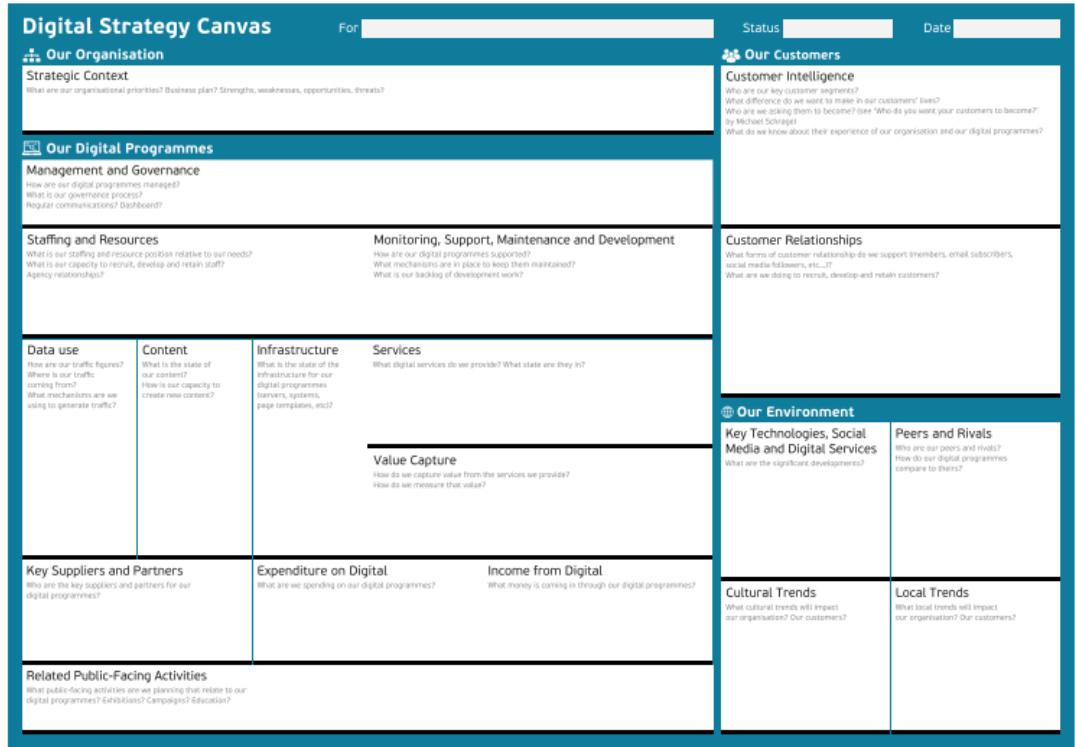
- the **greening** of the construction sector
- the **greening** of the built environment
- **urban planning** and building management.
- supports the **international competitiveness** of the European construction sector
- connects the **separate parts of the value chain** as well as users
- it can help to **create trust**, transparency and **improve decision-making**.
- It helps to **overcome challenges** posed by the pandemic, supply chain crisis, energy crisis, climate crisis,...



➔ 70% of construction executives mentioned new production technologies and digitalisation as the drivers of change in the sector.

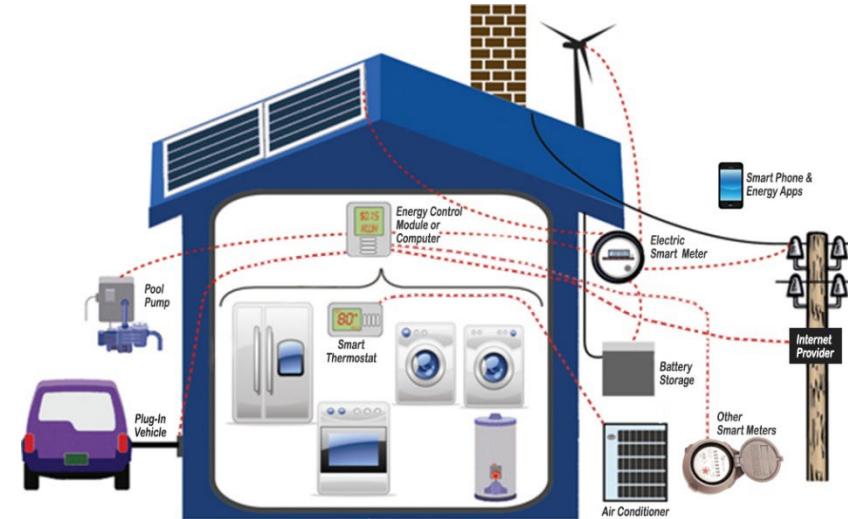
Digitalisation of construction: digitalization of SMEs

- Goal of increasing digitalisation of businesses
- Maturity scan
- Handbook on different technologies
 - BIM
 - Robots
 - Drones
 - 3D printing
 - Sensors
 - IoT and mobile devices
- Trainings
 - Specific technologies
 - Digital company culture
 - Digital transformation strategy
- <https://digital-construction.ec.europa.eu/>



Digitalisation of the built environment

- Work will start in December 2022
- A detailed **analysis and assessment of the state of play** of the adoption of **BIM** in the 27 member states.
- A definition of **maturity levels** in terms of the use of BIM, based on a clear methodology, and a proposal of a **matrix categorisation** that allows self-assessment.
- Collection and analysis of at least **30 use cases of BIM for lifecycle management of built assets**, for circular economy, as well as BIM of high maturity and Open BIM.
- Preparation work for **guidance** to public authorities
 - To further implement digitalisation of building permits,
 - For further adoption of BIM, understand maturity levels
 - Inspiring best practice, self-assessment, trainings,...

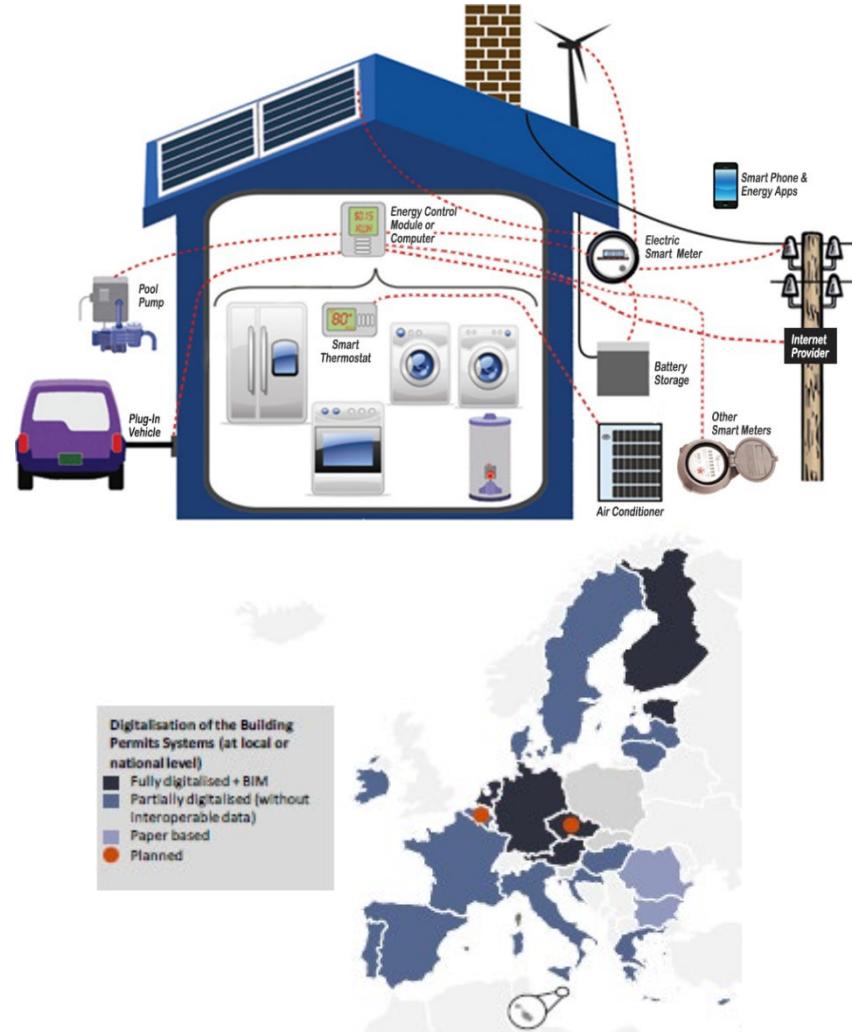


European
Commission

Digitalisation of the built environment

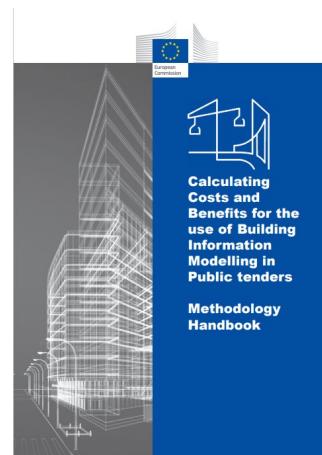
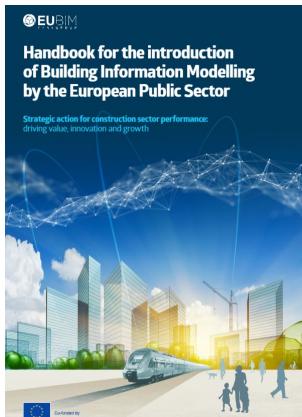
Deliverables

- Map the **state of play on building permit systems** across the EU.
 - Analyse at least 10 international **frontrunner cases**
 - Propose a **matrix categorisation** of different systems.
 - Identify **gaps** in existing systems and propose actions
 - A **toolkit for authorities** aimed at digitalizing and automating the building permit system.
 - **Trainings** targeting authorities in each of the 27 Member States
- ➔ With **Horizon Europe** funds we have awarded 3 projects to work on **automated checks** = compliance check of the system to see if it is ok to be authorized before being submitted formally



Digitalisation of construction: BIM in public procurement

- Working further on the basis from the EU BIM Task Group <http://www.eubim.eu/> and the Big Buyers initiatives (cf zero-emission construction sites)
- Collaboration with colleagues of public procurement
- Creation of a **community of practice** that will be functioning from the beginning of 2023
- First informative webinar to be held in December



Digitalisation of construction: Digital Building Logbooks

- **Basis:** Definition of the Digital Building Logbook
 - Understanding of **functionalities** prioritisation
 - Great understanding of **benefits**
 - Insights in the relationships between **stakeholders**
 - First steps towards implementation of a **framework at European level**

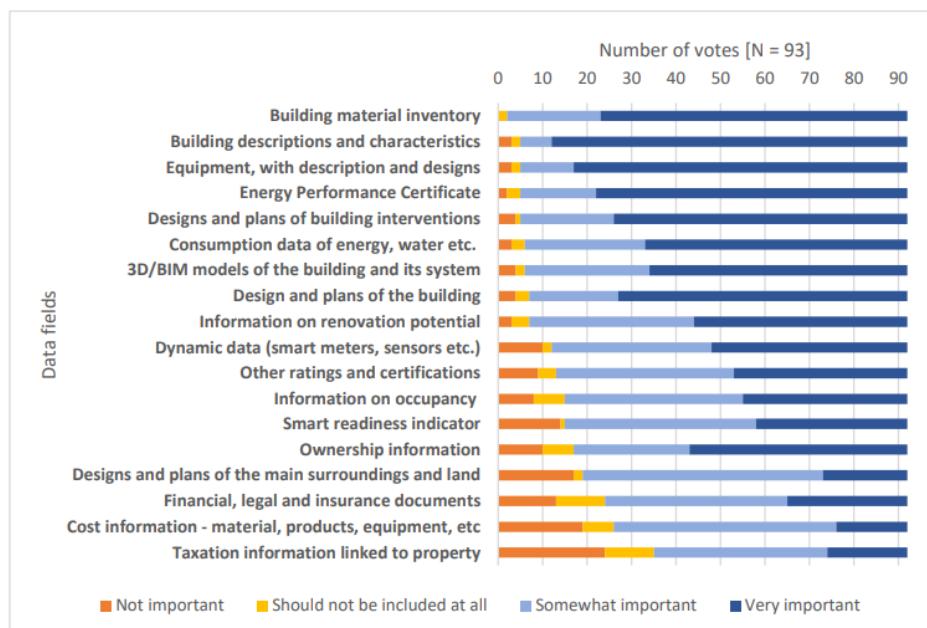
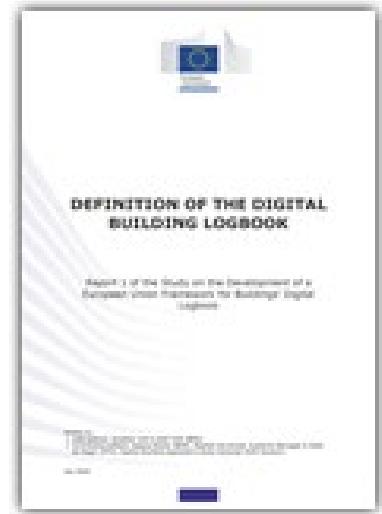
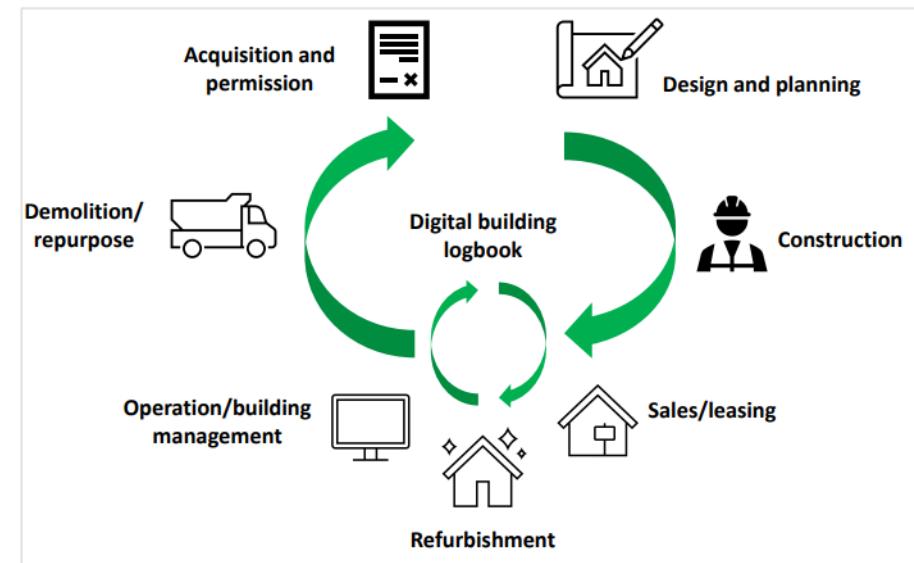


Figure 5. Survey - data fields

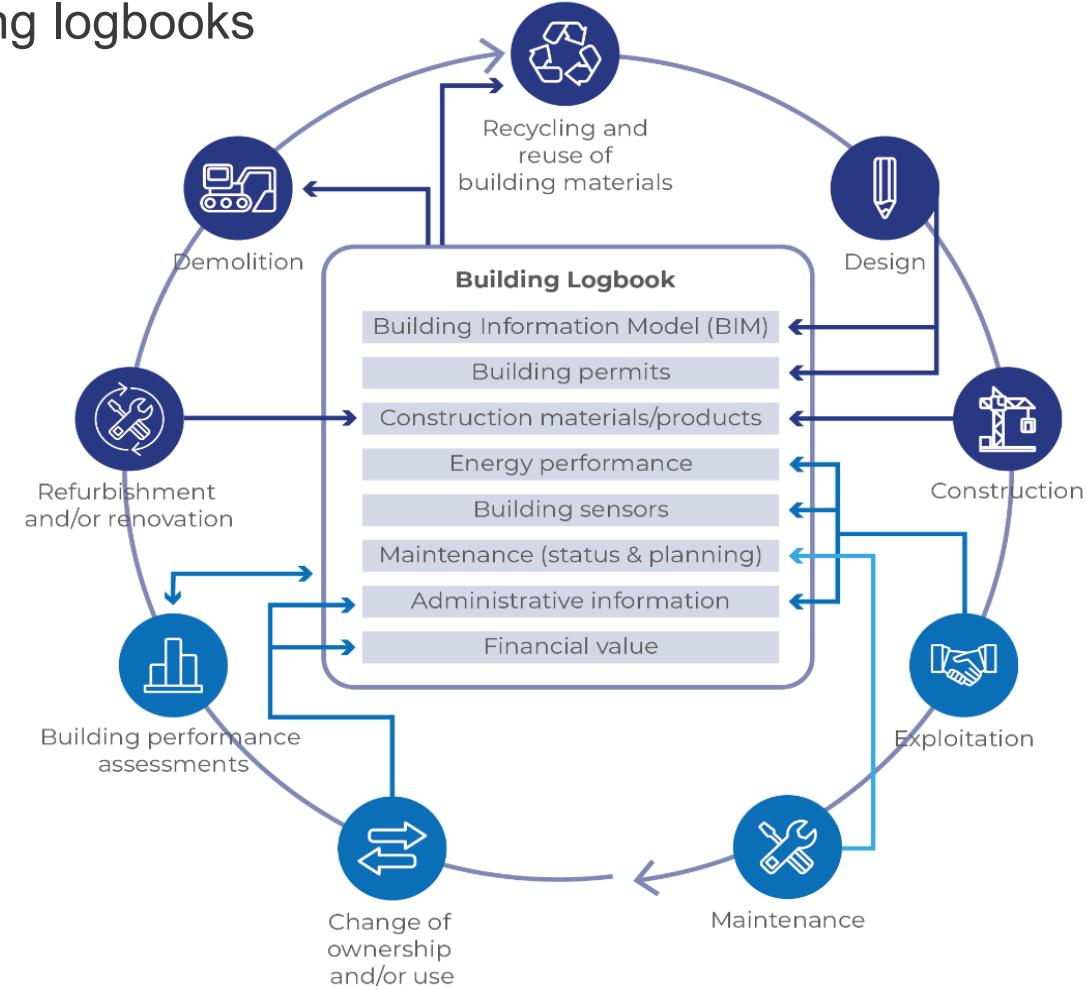


Digital Building Logbooks

Aim: development of an EU model for digital building logbooks

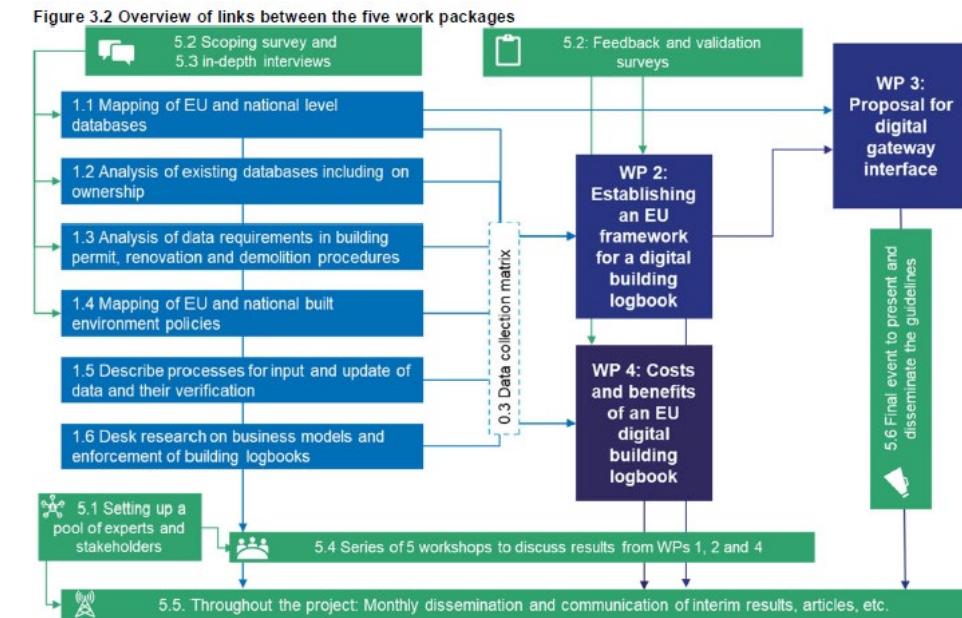
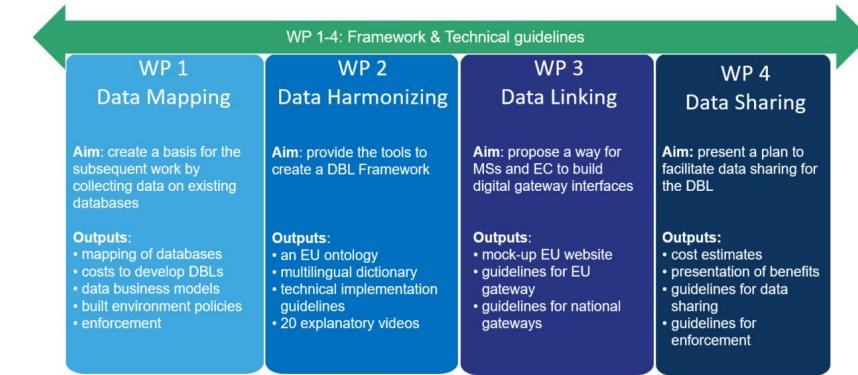
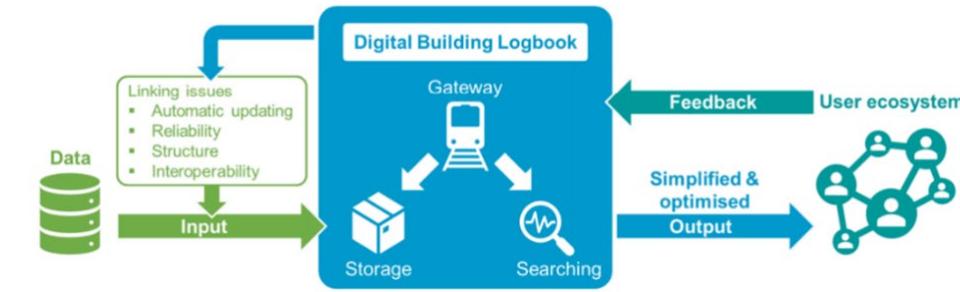
“A digital building logbook is a common repository for all relevant building data. It facilitates transparency, trust, informed decision making and information sharing within the construction sector, among building owners and occupants, financial institutions and public authorities.”

Source: Study on the development of a European Union Framework for Digital Building Logbooks (2020)



Digitalisation of construction: Digital Building Logbooks

- Review of existing databases and resources
- **Establishing a framework** for an EU digital building logbook
 - Semantic data model
 - Dictionary
 - Datasets and functionalities
 - Interoperability within systems
 - Connection with other databases: DPP, CPR, EPC, EPBD,...
- **Digital gateway interface**
 - Proposal for gateway interfaces
 - Design and visual identity
- **Costs and benefits** of an EU digital building logbook
 - Estimation of resource needs
 - Guidelines for data sharing
 - Risks in the implementation



Digitalisation of construction: Digital Building Logbooks

WP 1-4: Framework & Technical guidelines

WP 1 Data Mapping

Aim: create a basis for the subsequent work by collecting data on existing databases

Outputs:

- mapping of databases
- costs to develop DBLs
- data business models
- built environment policies
- enforcement

WP 2 Data Harmonizing

Aim: provide the tools to create a DBL Framework

Outputs:

- an EU ontology
- multilingual dictionary
- technical implementation guidelines
- 20 explanatory videos

WP 3 Data Linking

Aim: propose a way for MSs and EC to build digital gateway interfaces

Outputs:

- mock-up EU website
- guidelines for EU portal
- guidelines for national portals

WP 4 Data Sharing

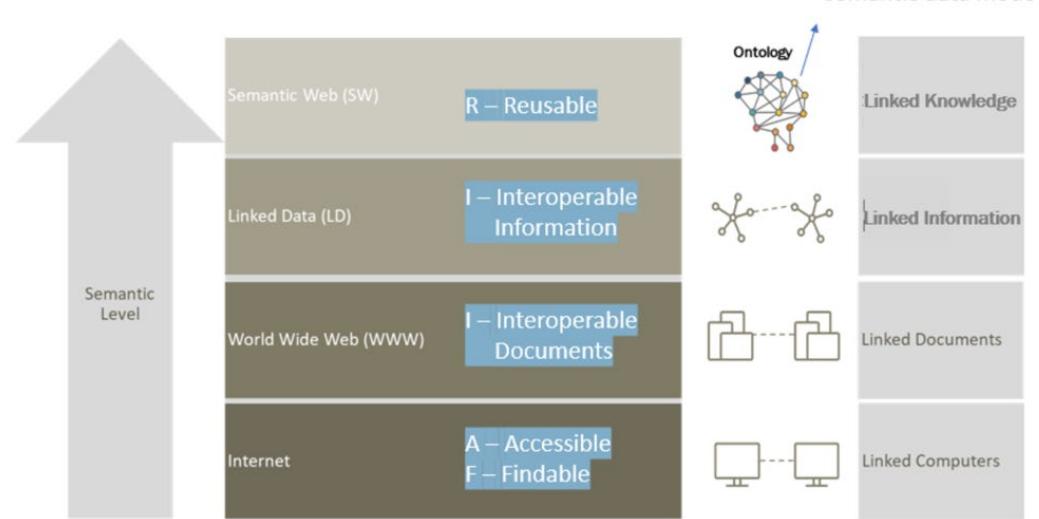
Aim: present a plan to facilitate data sharing for the DBL

Outputs:

- cost estimates
- presentation of benefits
- guidelines for data sharing
- guidelines for enforcement

Digital Building Logbooks

- Standards and principles that are used as a basis or as inspiration by the contractor
 - FAIR principle (gofair.org) for data sets, data specifications and meta-data
 - ISO standards
 - EN 17412 – **Level Of Information Need (LOIN)** principle (semantic data, geometry, documents)
 - CEN TC442 WG4 (Support Data Dictionaries)
 - **BuildingSmart**
- More work is being done within **Horizon Europe**
 - Two projects working further on use cases and governance of DBL



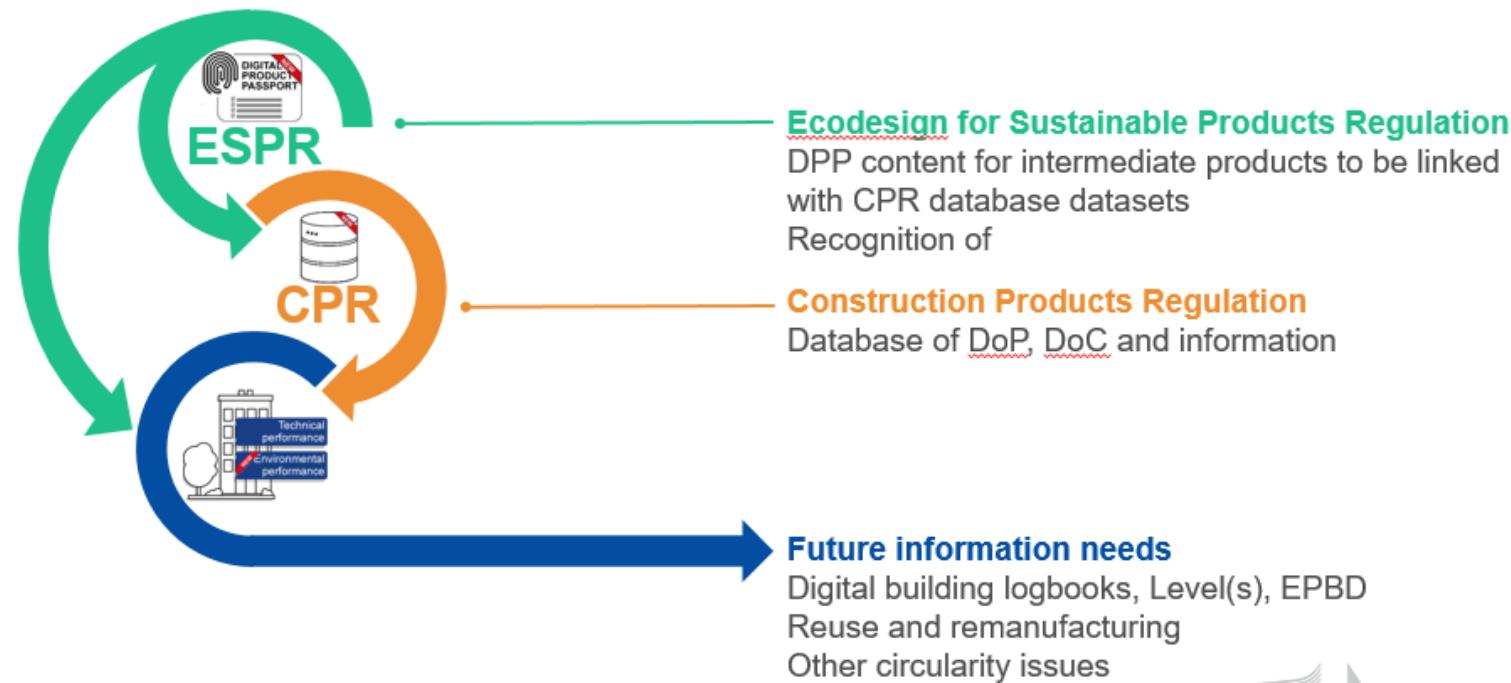
Digital Building Logbook: link with CPR database

Interoperability with other initiatives as a priority

Upstream with datasets related to Construction Products Regulation and Energy Performance for Buildings Directive

Downstream dataflow as a necessary condition for the success of DBL initiatives

Source data from databases such as CPR is of enormous importance for aggregated knowledge about the use of materials at building level, which is an essential part of a successful DBL



Digital Building Logbook: link with CPR database

Benefits of a link with CPR Database

Aggregated picture at building level of materials used and performance of the building in terms of health, energy, exit value,...

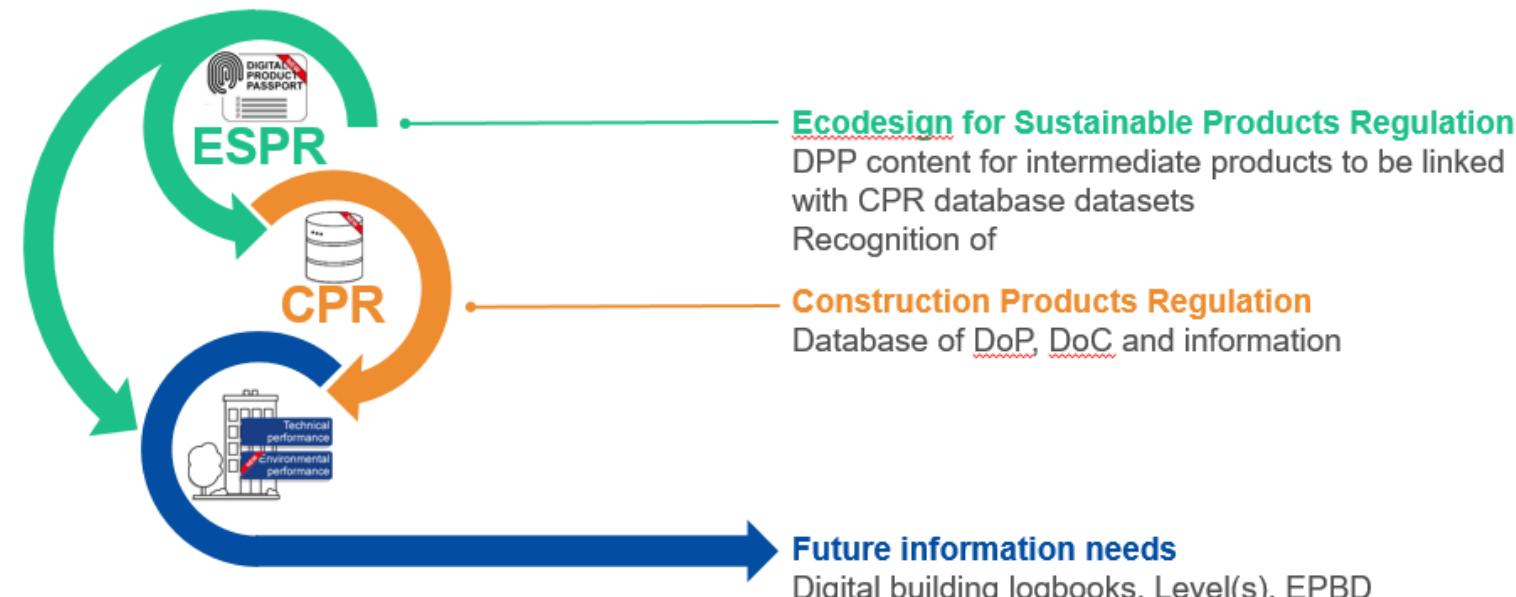
Enabling reuse, re-manufacturing, recycling of products in case of renovation or (partial) demolition.

Better renovation planning.

Support market surveillance

Governance of data flows extremely important

We deal with different actors with different interests across the data flow, so monitoring data-related rights and securities is extremely important



Thank you!

 Pieter.staelens@ec.europa.eu

More information

- Digitalisation of construction: handbook, maturity scan and trainings: <https://digital-construction.ec.europa.eu/>
- High Level Construction Forum: https://single-market-economy.ec.europa.eu/news/launch-high-level-construction-forum-2021-09-28_en
- Digital Building Logbooks
Definition <https://op.europa.eu/en/publication-detail/-/publication/cacf9ee6-06ba-11eb-a511-01aa75ed71a1/language-en/format-PDF/source-179394366>
- Construction and built environment
https://ec.europa.eu/growth/sectors/construction/competitiveness_en
- European Construction Sector Observatory
https://ec.europa.eu/growth/sectors/construction/observatory_en
- DigiPLACE Project- Towards a Framework for a Digital Platform for Construction
<https://www.digiplaceproject.eu/>
- Digital Innovation Hubs
<https://ec.europa.eu/digital-single-market/en/digital-innovation-hubs>