

Policies Enabling Reuse in the Nordics

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Nordic Sustainable
Construction



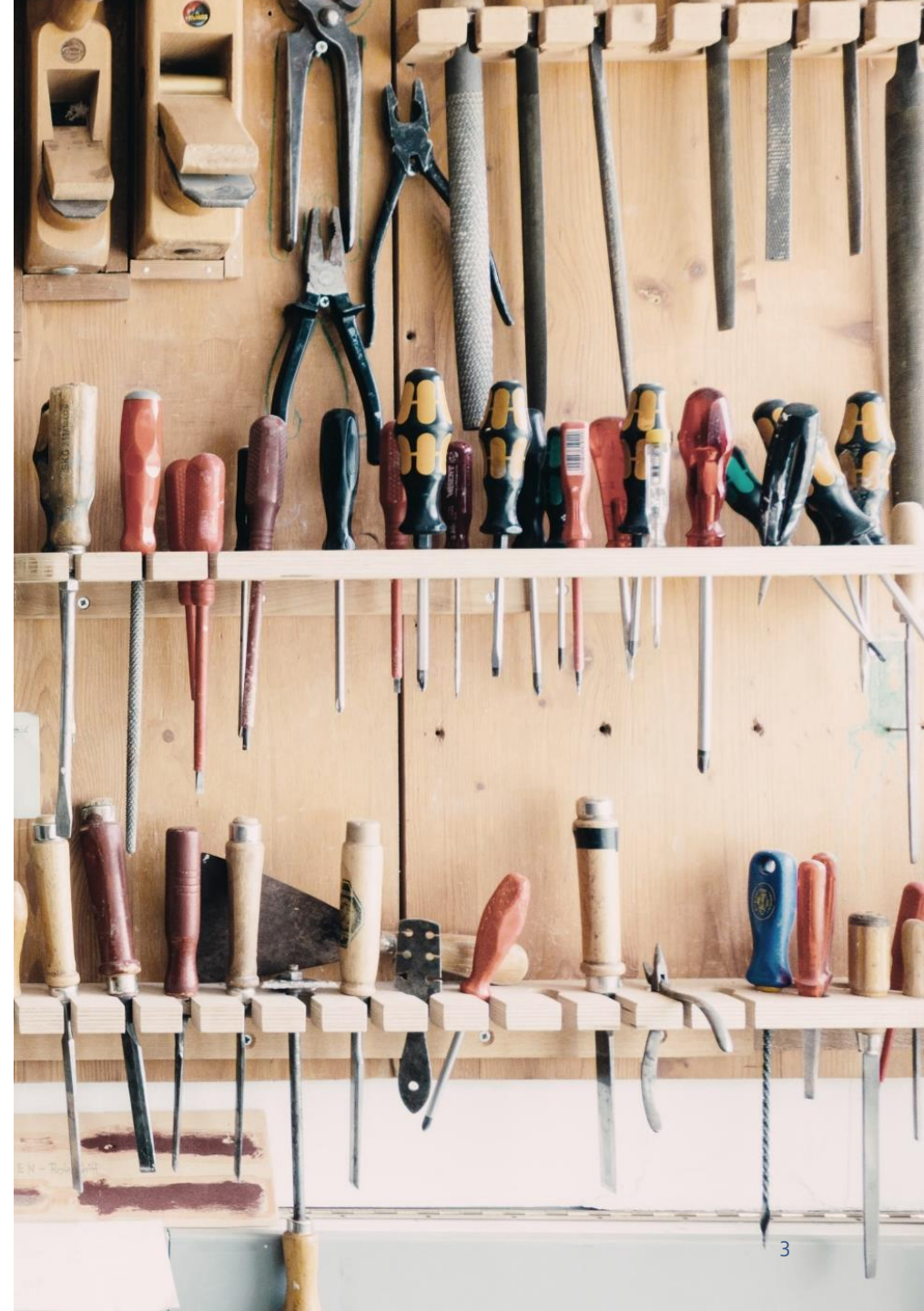
Today's agenda

- Introduction to Nordic Sustainable Construction
- Why is reuse important?
- The European Policy Landscape
- The Nordic Policy Landscape
- Nordic Harmonisation Potential



Our purpose

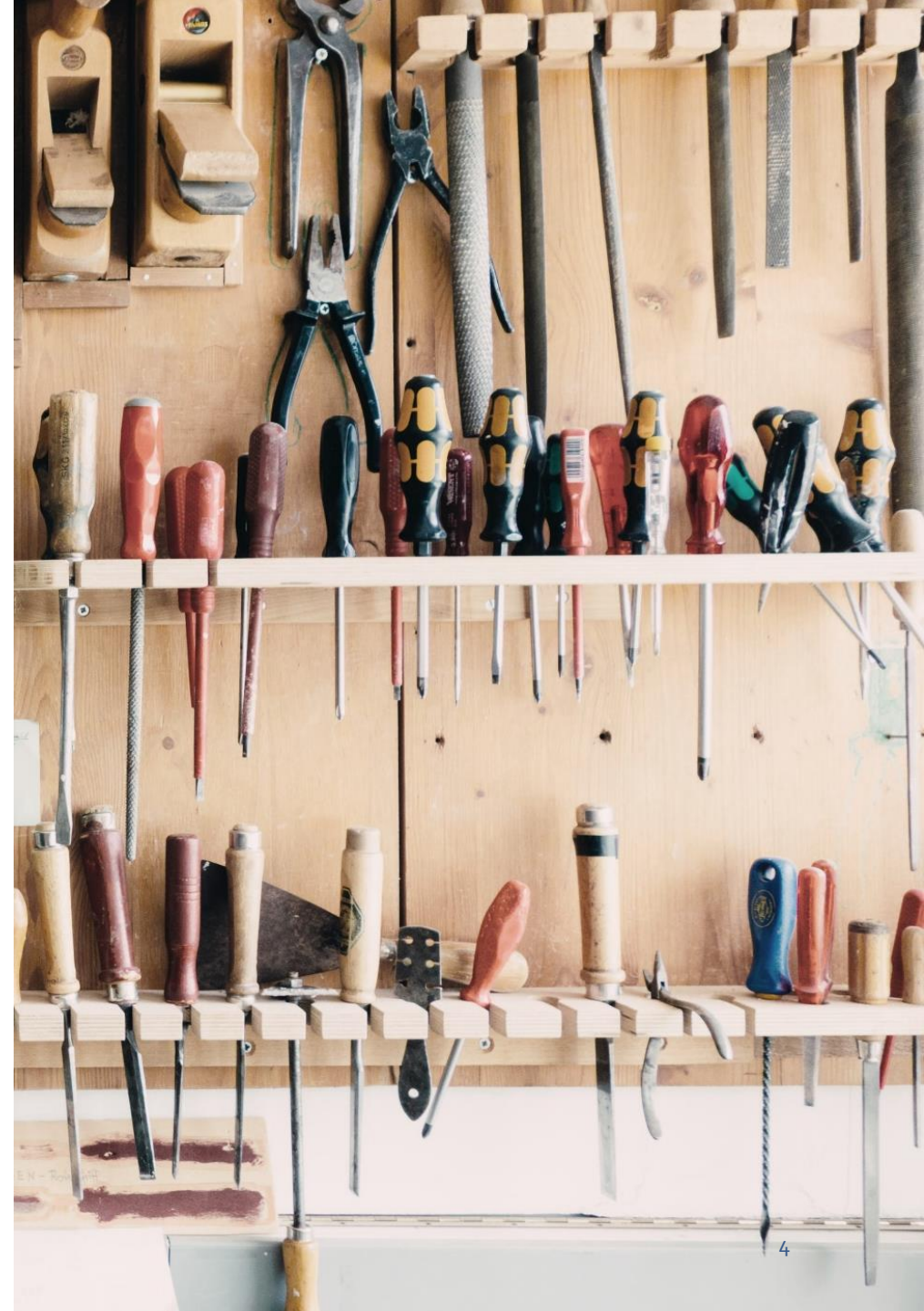
The programme aims to support the ambition in the Nordic Vision 2030 of establishing the Nordics as a leading region in sustainable and competitive construction and housing – with minimised environmental and climate impact.



Our purpose

We work to

- accelerate the knowledge and capacity for a green transition in the Nordic construction sector
- strengthen Nordic collaboration
- ensure an aligned Nordic path



Definition of Reuse



In the Waste Framework Directive:

*“**Re-use** means any operation by which products or components that are not waste are used again for the same purpose for which they were conceived”*

*“**Recycling** means any recovery operation by which waste materials are **reprocessed into products**, materials or substances whether for the original or other purposes. It includes the reprocessing of organic material but does not include energy recovery and the reprocessing into materials that are to be used as fuels or for backfilling operations;*

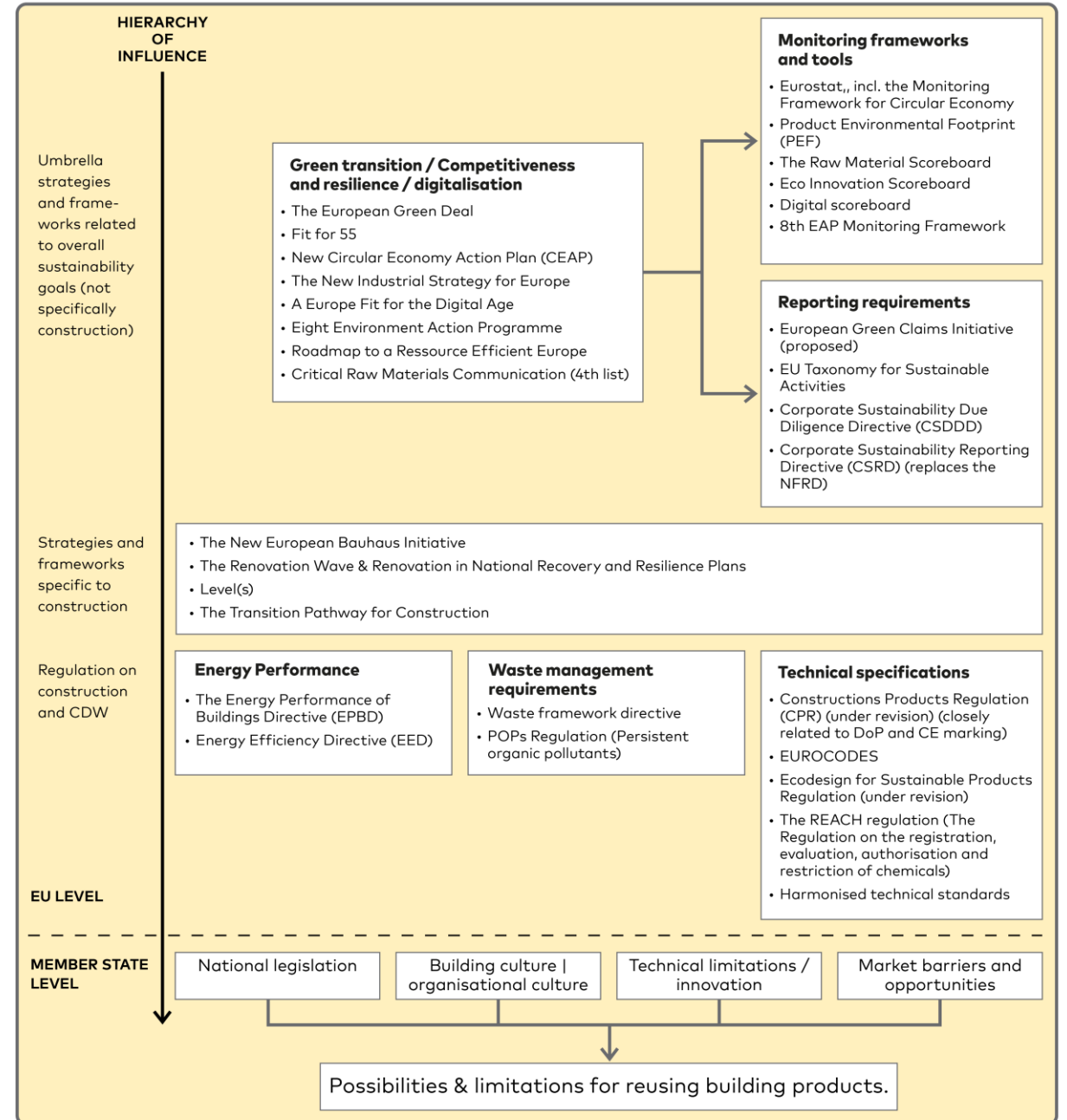


European Policy Landscape



European Policy Landscape

- A paradigm shift in European policy:
 - From focus on energy efficiency during the use phase of building
 - To focus on whole-life embodied carbon approach that considers energy consumption of the entire life cycle of buildings.
- The current Construction Products Regulation (CPR) does not enable reuse of construction products
- The revision of the CPR creates a window of opportunity.



Construction Product Regulation

The Current Construction Product Regulation (CPR)

- Does not promote the reuse of construction products
- Not possible to apply current standards to reused products (voluntary EAD can be a solution)













The Revision of the Construction Production Regulation

- Aims to incorporate environmental performance and sustainability criteria across the entire life cycle of products into the harmonised standards for specific product categories.
- Introduced harmonised standards for reused products in the revision




Nordic Policy Landscape



	 Denmark*	 Finland	 Iceland	 Norway	 Sweden	 EU
 A1-A3 Raw materials, transport, manufacturing	Zero ✓	Zero ✓	TBD	Zero, but if there is Global Warming Potential from processing of the reused products it must be counted (not if negligible i.e GWP from washing the reused products)	Zero ✓	Not defined
 A4/A5 Transport to site, installation	Not declared	Either generic values from national database *** or calculate exact emissions ✓	TBD	Either 300 km, generic values** ✓	Either generic values from national database or calculate exact emissions ***** ✓	Not defined
 B2 Maintenance	Not declared	Not declared	TBD	Maintenance is included	Not declared	Not defined
 B4 Replacement	Zero	Replacement to a new product	TBD	Replacement to a new product*****	Not declared	Not defined
 C1/C2 Demolition works, transport	Not declared	Included according to the scenarios in the national database	TBD	Not declared	Not declared	Not defined
 C3/C4 Waste management, final disposal	Zero	Included according to the scenarios in the national database	TBD	Not declared	Not declared	Not defined

*Expected to enter into force by January 2024

**<https://lca.no/transportkalkulator/>

*** Finnish national database: [CO2data.fi](https://co2data.fi)

****Swedish national database: [Climate database from Boverket - Boverket](https://climate.database.from.Boverket - Boverket)

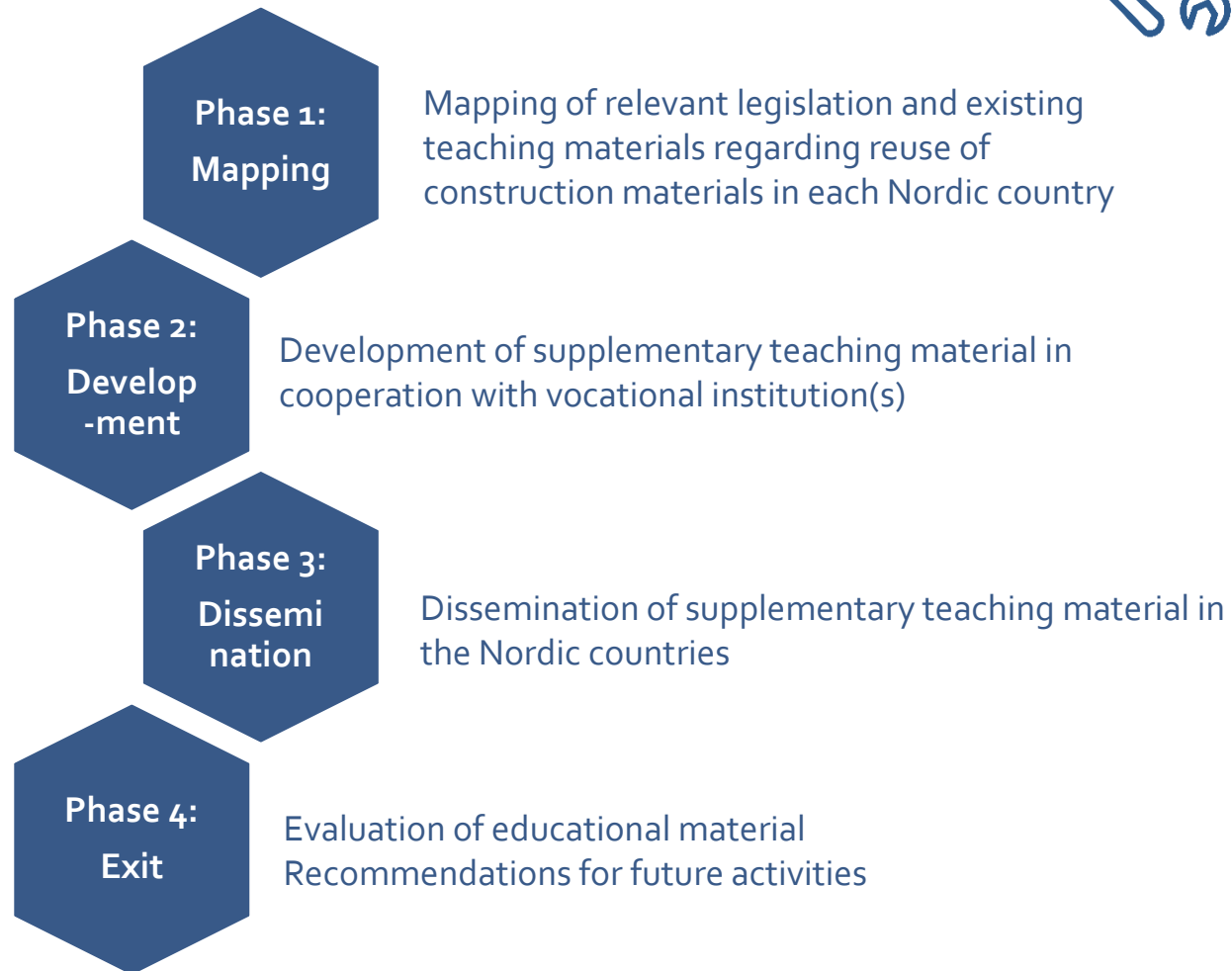
*****Replacements are included, an assumption has to be made that if a reused product will be replaced, it will be replaced to a new functionally similar product (not another reused product)

Enablers for Reuse

	Denmark	Finland	Iceland	Norway	Sweden	
KEY ENABLERS FOR REUSE	Initiatives to enable reuse Requirements for improved building design (Design for flexibility, design for disassembly, design long-lasting buildings, etc.)	TBD	To be implemented in 2025. (The reform of the national Building Act)	TBD	Products suitable for reuse and recycling must be chosen and buildings must be designed for dismantling when this can be carried out within a practical and financially reasonable framework. (§ 9-5 in Building Technical Regulations)	TBD
	Required documentation of the environmental impact of new construction	Climate calculations required before permit	To be implemented in 2025. (The reform of the national Building Act)	TBD	For new buildings and newer renovations of buildings, a greenhouse gas account must be prepared according to § 17-1 in the Building Technical Regulations)	Climate declaration required before building permit is provided
	Carbon limit values*	Implemented in 2023. Currently 12 kg CO ₂ -equiv/m ² /year for new buildings above 1000 m ² . This is expected to be tightened every second year	To be implemented in 2025. (The reform of the national Building Act)	Upcoming in 2028	-	Upcoming in 2025 or 2027
	Clear definitions: (How to define reuse)	In process	In process	In process	In process	In process



Competences for Reuse in Construction



Thank you



Ministry of the
Environment Finland



Nordic
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Form
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Government of Iceland
Ministry of Infrastructure



Danish Authority of
Social Services and Housing



Nordic Sustainable Construction - financed by Nordic Innovation, an organisation under the Nordic Council of Ministers

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