

# Harmonised CO<sub>2</sub>-eq Limit Values for Buildings and Monitoring Decarbonisation of the Building Stock 26.1.2024



Nordic Council  
of Ministers

# Today's agenda

1. Introduction of Nordic harmonisation of life cycle assessment – Maria Tiainen/Finnish Ministry of the Environment
2. Harmonised limit values and monitoring decarbonisation – Morten Ryberg/Sweco
3. Analysis of LCA practice and regulations on the Nordic countries – Kai Kanafani/BUILD
4. Key variables for setting limit values and recommendations on a process for setting and following limit values for buildings – Maria Balouktsi/BUILD
5. Recommendations for use of data and statistics for monitoring decarbonisation of the building stock – Nicolaj Langkjær/ Sweco
6. Next steps in the project – Morten Ryberg/Sweco



# Nordic Harmonisation of life cycle assessment

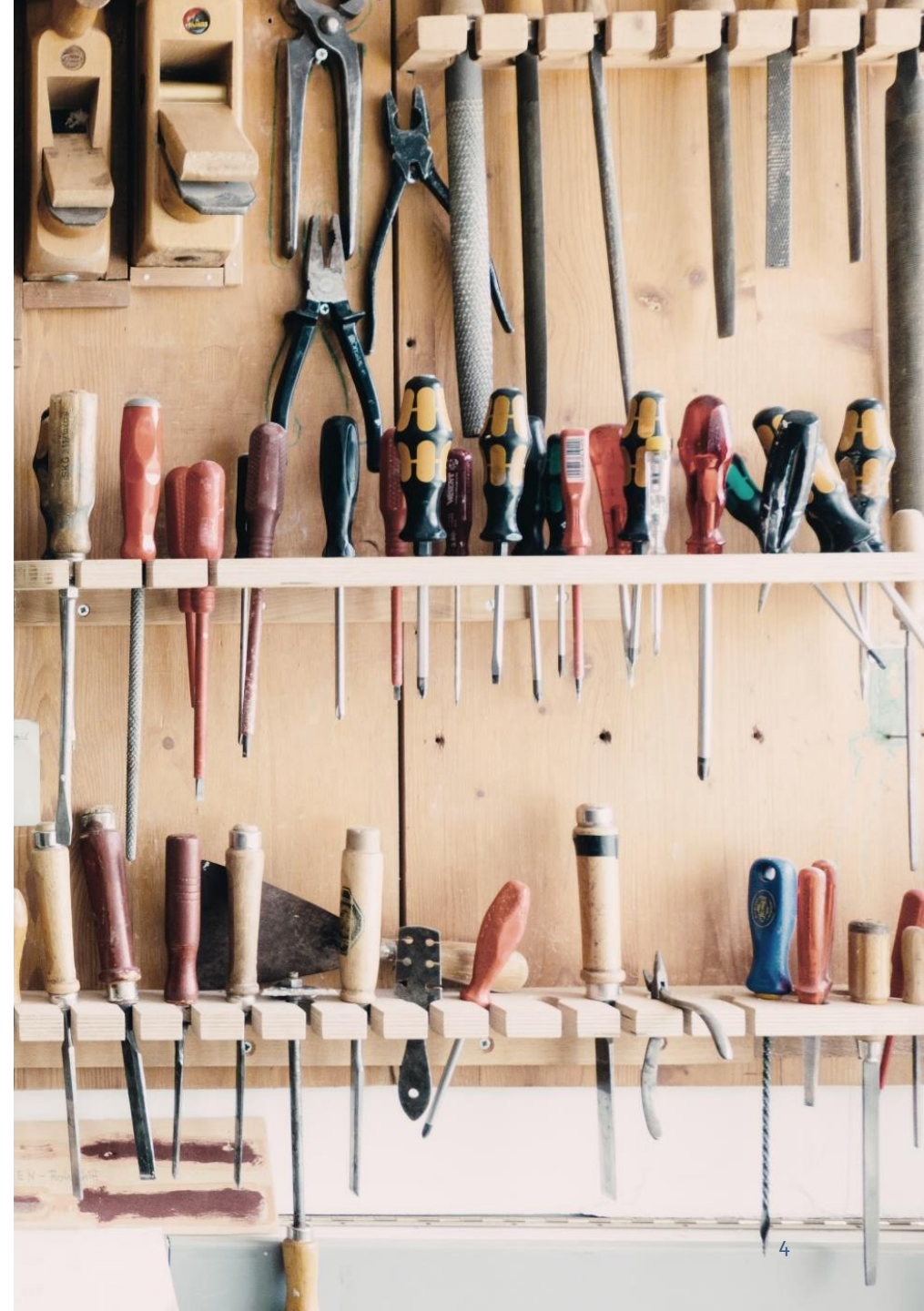
Maria Tiainen  
26.1.2024

Nordic Sustainable  
Construction



# Nordic Sustainable Construction

- Nordic Sustainable Construction is a programme under the Nordic Council of Ministers
- Purpose:
  - accelerate the knowledge and capacity for a green transition in the Nordic construction sector
  - strengthen Nordic collaboration
  - ensure an aligned Nordic path



# Work Packages



## **Nordic Harmonisation of Life Cycle Assessment**

Harmonisation, regulation, digitalisation, limit values, climate reporting.



## **Circular Business Models and Procurement**

Circularity in the construction industry and for public developer through capacity building.



## **Sustainable Construction Materials and Architecture**

Opportunities and barriers to using wood and other biobased construction materials.



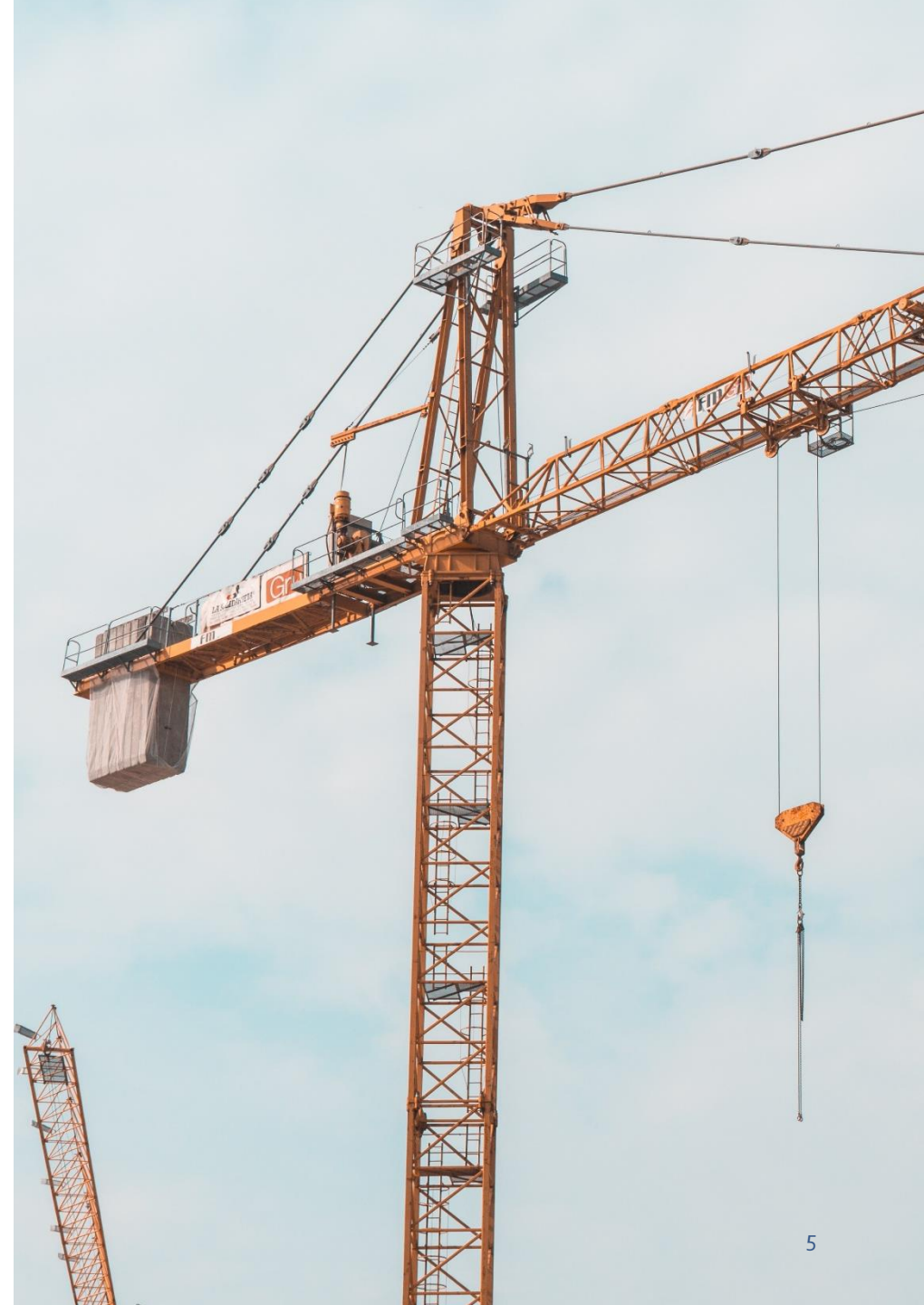
## **Emission-free Construction Sites**

Diminishing emissions through regulation, harmonisation, research and practical guidelines.



## **Programme Secretariat and Competences for Reuse in Construction**

Capacity building, strategic partnerships, knowledge sharing.



# WP1 Nordic harmonisation of life cycle assessment

## Task 1

### Nordic LCA practices

- Feasibility study: how far to harmonise?
- Methodological harmonisation for normative needs
- Compatibility of building LCA and infrastructure LCA
- Timely importance for policymaking

## Task 2

### Database and scenarios

- Joint processes for gathering and verifying generic data
- Joint processes for setting lifecycle scenarios for normative LCA
- Interfaces to LCA tools

## Task 3

### Digitalisation of LCA

- Development of LCA guidance for BIM
- Development of national reference buildings into BIM
- Development of training models
- Coordination with BIM and other software developers

## Task 4

### Limit values

- Joint method for defining country-specific limit values where needed
- Joint process for reporting the climate impacts of Nordic built environment



# Thank you!



Ministry of the  
Environment Finland



Nordic  
Innovation

Form  
Design  
Center



Government of Iceland  
Ministry of Infrastructure



Danish Authority of  
Social Services and Housing



# Want to know more?

Visit our website [www.nordicsustainableconstruction.com](http://www.nordicsustainableconstruction.com)

Follow us on LinkedIn [www.linkedin.com/company/nordicsustainableconstruction](http://www.linkedin.com/company/nordicsustainableconstruction)  
and on Twitter [www.twitter.com/NordSustConstr](http://www.twitter.com/NordSustConstr)

Or write us an e-mail: [Nordicsustainableconstruction@sbst.dk](mailto:Nordicsustainableconstruction@sbst.dk)

