

Nordic Sustainable Construction

Nordic Sustainable
Construction

@NordSustConstr

Helle Redder Momsen
8 Sep 2022

Our vision 2030

A **green** Nordic region

Together, we will promote a green transition of our societies and work towards carbon neutrality and a sustainable circular and bio-based economy.

A **competitive** Nordic region

Together, we will promote green growth in the Nordic region based on knowledge, innovation, mobility and digital integration.



**The Nordic
region will
become the most
sustainable and
integrated region
in the world**

A **socially sustainable** Nordic region

Together, we will promote an inclusive, equal and interconnected region with shared values and strengthened cultural exchange and welfare.



Built environment as part of the climate solution



Nordic Declaration on Low Carbon
Construction and Circular Principles in the
Construction Sector

Nordic Climate Forum for Construction





*...Note that the **Nordic goal of being global leaders and advocates for climate action** – a commitment made by the **Nordic prime ministers and CEOs** on the 20th of August 2019 in Iceland and by the Nordic prime ministers and other government ministers on the 25th of January 2019 – **cannot be reached** without **enabling a rapid change** in our ways of **building, renovating and living**, without **compromising the safety, affordability and quality of the built environment...** (Autumn 2019)*



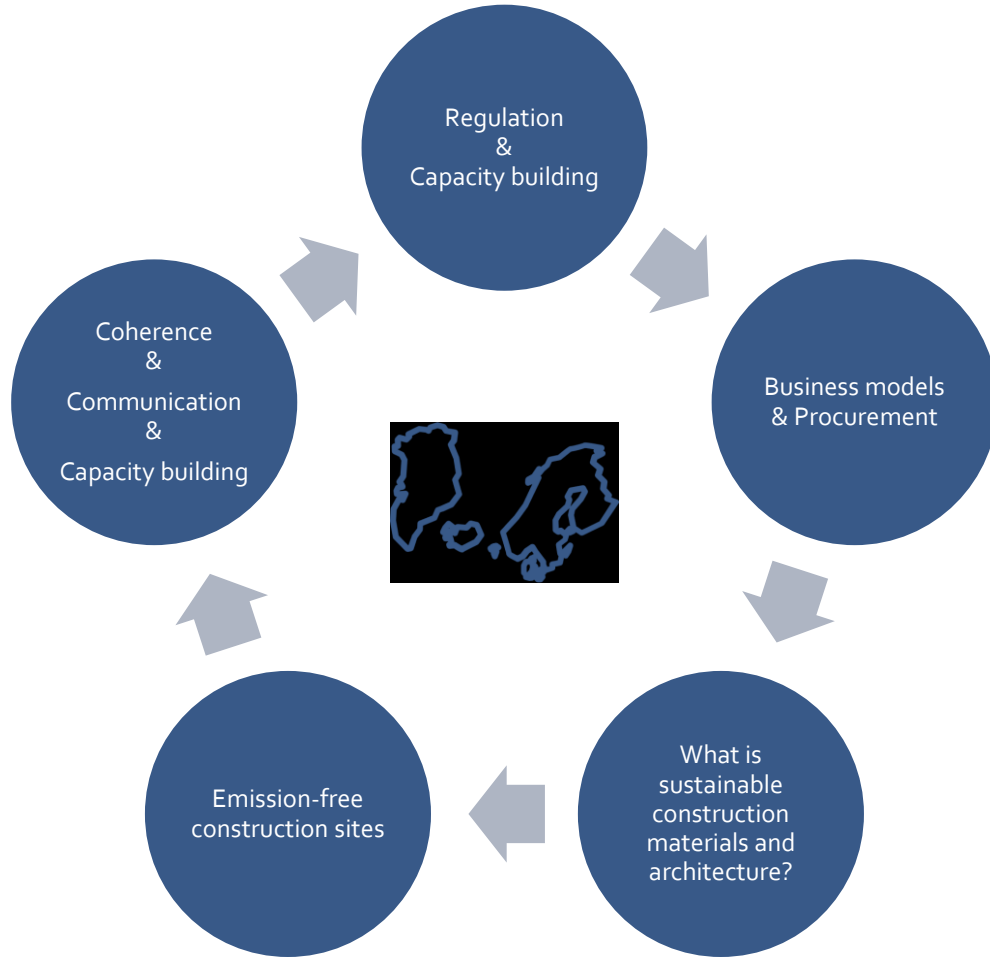
Nordic Sustainable Construction

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.



Focus





Nordic Sustainable Construction 2021-2024

Work Package 1

Life Cycle Assessment and Data

(Ministry of Environment, Finland)

Harmonisation of Nordic LCA practices

Database and scenarios

Digitalisation of LCA

Limit values and following decarbonisation

Support sustainability in public construction projects

Work Package 2

Circular Business models and Procurement

(Nordic Innovation)

Circular Business models in the construction industry

Public procurement of circular buildings

Work Package 3

Sustainable Construction Materials and Architecture

(Form / Design Center (Sweden))

Debate what is sustainable materials in Nordic construction projects

Discuss the role of architecture in increasing the use of sustainable construction materials

Work Package 4

Emission-free Construction Sites

(Ministry of Infrastructure, Iceland)

Nordic declaration on emission-free construction sites

Clarifying definitions, boundaries and terminology

Value chain and ecosystem co-operation

Rules, standards and legislation

Work Package 5

Programme Secretariat and Capacity Building

(Danish Housing and Planning Authority)

Secure programme cohesion, communication and coordination

Capacity building activities to increase reuse of construction materials

Anchoring of the programme in the Nordic construction sector

WP1: Comparison of LCA methods

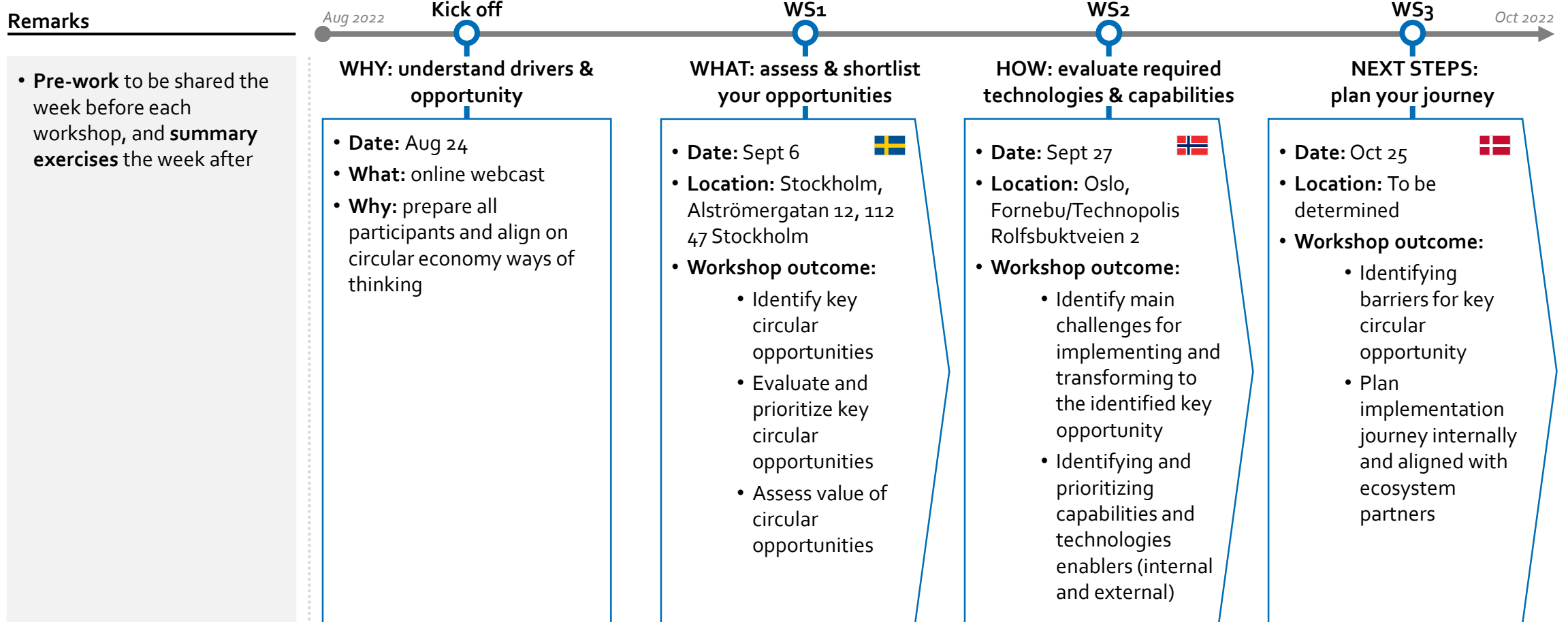
Included life cycle stages		Denmark	Estonia	Finland	Iceland	Norway	Sweden	EU Levels
A	A1-A3 Production	✓	✓	✓	?	✓	✓	✓
	A4 Transport to site		✓	✓	?	✓	✓	✓
	A5 Construction		✓	✓	?	(✓)	✓	✓
B	B1 Use in building							✓
	B2 Maintenance					✓		✓
	B4 Replacements	✓	✓	✓	?	✓	✓	✓
	B5 Refurbishment				?			✓
	B6 Energy	✓	✓	✓	?		✓	✓
	B7 Water							✓
C	C1 Demolition works		✓	✓			✓	✓
	C2 Transport		✓	✓			✓	✓
	C3 Waste mgnt	✓	✓	✓			✓	✓
	C4 Final disposal	✓	✓	✓			✓	✓
D	Additional	✓	✓	✓			✓	✓
Reference study period		50	50	50			50	50

We have carefully analysed and compared our methodological approaches for identifying points of harmonisation



WP2: Timeline for Circular workshops

Workshop timeline for the Construction industry



WP3: Debates on the use of sustainable building materials

- i. 9. June - [Fælles nordisk New European Bauhaus Festival-begivenhed](#)
- ii. 16 June [Folkemødet, Bornholm, Denmark](#)
- iii. 3. – 7. July – Almedalveckan, Sweden
- iv. 11. – 15. July – SuomiAreena, Finland
- v. 5. - 19. August - Arendalsuka, Norway
- vi. 1. September ARKDGN - Form/Design Center, Malmö
- vii. September 2022 - Fundur fólksins, Iceland
- viii. 13. - 16. October 2022 - Arctic Circle Assembly, Iceland
- ix. 7 - 18 November 2022 - CoP 27, Sharm el-Sheikh, Egypten (tbc)
- x. 2023 – UIA World Congress

Transformation Panel



Nordic Sustainable Construction



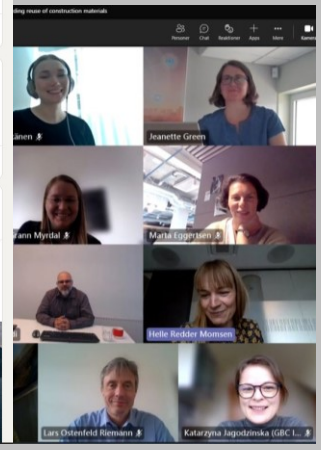
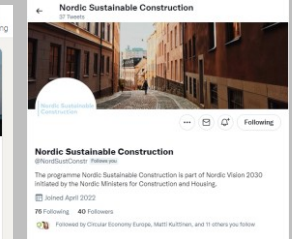
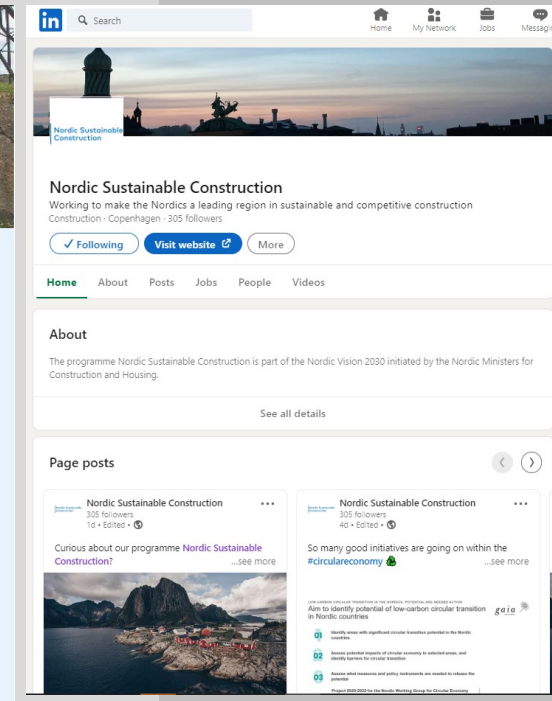
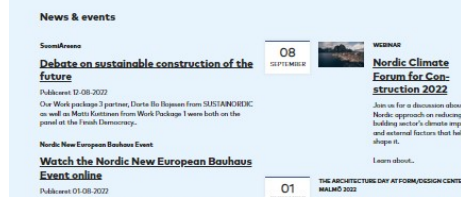
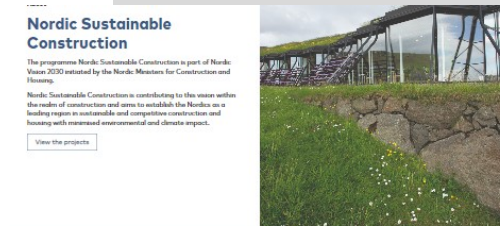
WP4: Emission free construction sites

- Draft Nordic Declaration on emission free construction sites
- Terminology and definitions
- Focus on value chain – for instance a platform for cooperation on technological development
 - Icelandic platform generated: Byggjum grænni framtíð - <https://byggjumgraenniframtid.is/>



WP5: Communication & Capacity Building

- Close collaboration and knowledge sharing between the work packages
- Communication
- Coordinate and contribute to key Nordic, EU and international initiatives
- Capacity building activities for reused construction materials



Questions

Want Nordic Construction updates?

Visit our website:

www.nordicsustainableconstruction.com

Follow us on [Linkedin](#) and [Twitter](#) @NordSustConstr

Email: nordicsustainableconstruction@bpst.dk

Programme partners



Ministry of the
Environment Finland



**Nordic
Innovation**

Form
Design
Center /



Government of Iceland
Ministry of Infrastructure



**danish housing
and planning authority**

