



Nordic Circular Summit

17–18 October 2023
Reykjavik, Iceland

Partner Session



Nordic
Circular
Hotspot



Nordic
Innovation



ARCTIC CIRCLE



ESIDE
TALKS



Future of circular economy in construction: exploring the need for innovation

18 October 2023 • Partner Session



Nordic Circular Summit Partners

**RE:
SOURCE**



 **Nordic
Innovation**

 **VC CHALLENGE**

 **ENVIRONMENT
AGENCY OF ICELAND**

 **GRÆNNI
BYGGÐ**
GREEN BUILDING
COUNCIL ICELAND

HMS

**DEMOS
HELSINKI**



**LUND
UNIVERSITY**

**RI
SE**

 **STRETCH
BEYOND**

empirica

CIRCULAR 



 **Nordic
Circular
Hotspot**

 **Nordic
Circular
Partner**

 **VFB**

 **Lifestyle & Design Cluster.**

 **Natural State**

 **CIRCLE
ECONOMY**

MXi

 **Kraft**



Nordic Circular Summit Partner Session : Nordic Circular Construction

Future of circular economy in construction: Exploring the need for innovation

18. OCTOBER | 2023

10:00 -11:15 (GMT)

Nordic Networks
for Circular
Construction



**Nordic Council
of Ministers**

Agenda

10:00 Opening

10:05 Part I: Circular construction in the Nordics – Is it possible now?

Circular construction in the Nordics – It is possible, but...

Katarzyna Jagodzinska, Project manager, Green Building Council Iceland

Hand-on experience from circular deconstruction and construction of Kromet and KAJ16 buildings

Stefan Eriksson, Project manager, Vasakronan

10:35 Group discussion

11:10 Summary and closing remarks by the moderator

11:15 End of the event



Nordic Networks
for Circular
Construction



Background

Nordic Networks for Circular Construction project aims at accelerating the implementation of the best practices of circular economy in the Nordic construction sector. The project is part of Finland's chairmanship of the Nordic Council of Ministers.

Project is lead by the Environmental Ministry of Finland and other partners are the Swedish National Board of Housing, Building and Planning; the ministry of Economic Affairs and Employment in Finland; the Ministry of Education and Culture in Finland, the Norwegian Building Authority & the Housing and Construction Authority of Iceland.

Project runs between 2021-2024.



Nordic Networks
for Circular
Construction



Nordic Council
of Ministers

Why are we here?

As part of the project, we will activate the Nordic Networks around Circular Construction. This work is organized by the Green Building Council Iceland with the help of Demos Helsinki and Green Building Council Finland.

As part of the activation process, we want to make circular transition more actionable. We are developing concrete ideas how to push circular construction further.

This session is the third part of a process aiming to systematically build policy and design interventions, which could be turned into concrete project and funding ideas for the Nordic Council of Ministers.

Previous sessions were organized in June as side events for the World Circular Economy Forum and in September for the Nordic Climate Forum for Construction.



Nordic Networks
for Circular
Construction



A new publication!

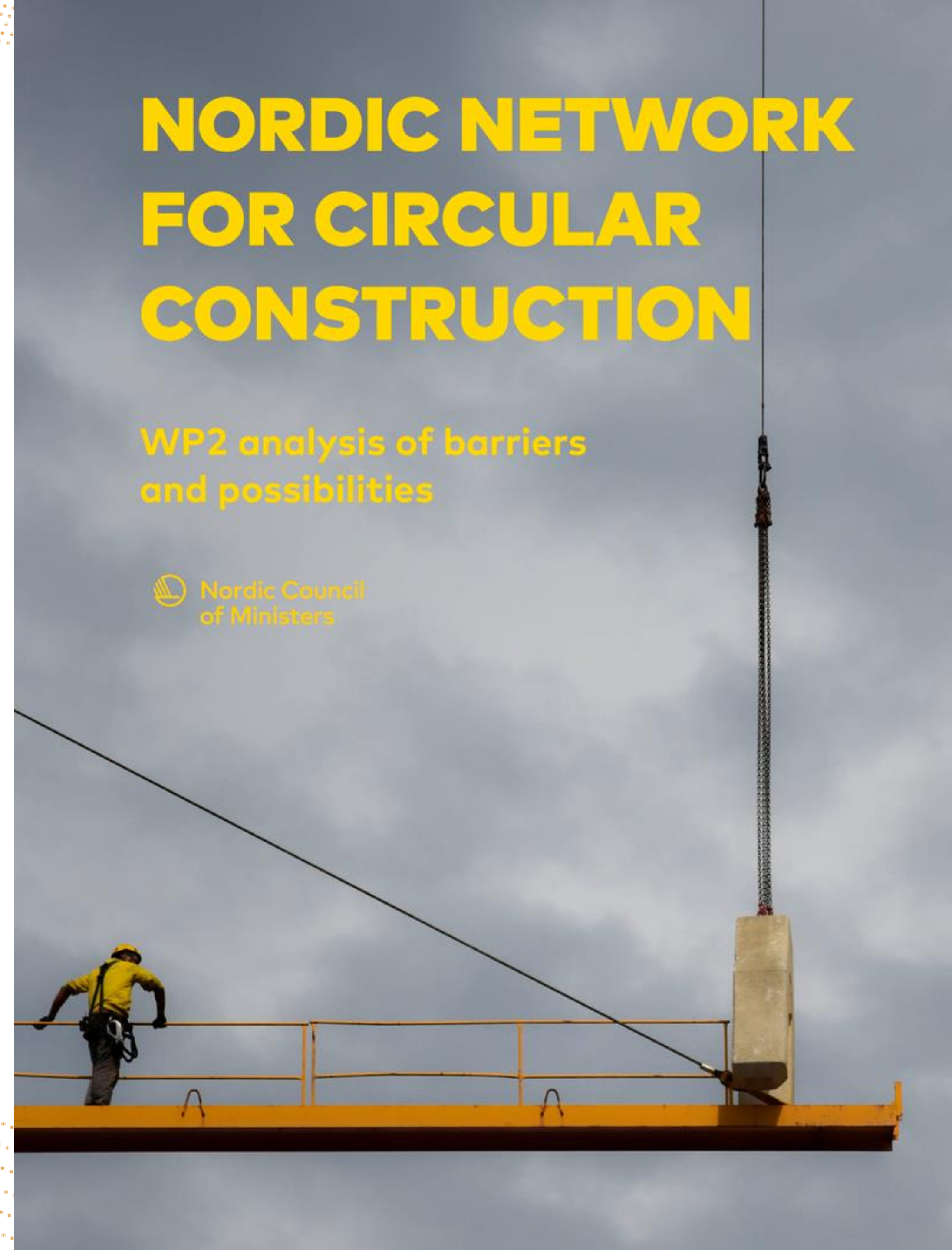
Nordic Network for Circular Construction
Analysis of Barriers and Possibilities
within Circular Construction: *A State of
the Art Report from the Five Nordic
Countries*

Available at norden.org



NORDIC NETWORK FOR CIRCULAR CONSTRUCTION

WP2 analysis of barriers
and possibilities



Nordic Circular Summit Partner Session : Nordic Circular Construction



Future of circular economy in construction: Exploring the need for innovation

Circular construction in the Nordics – It is possible, but...

Katarzyna Jagodzinska, Project manager, Green Building Council Iceland

Nordic Networks
for Circular
Construction



**Nordic Council
of Ministers**



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Circular construction in the Nordics – It is possible...



Kristian Augusts Gate 13, Oslo,
Norway
Credit: Kyrre Sundal/Mad arkitekter



ResourceRows, Copenhagen, Denmark



Drangar, Skógarströnd, Iceland



Helsinki Central Library, Helsinki, Finland

➤ **Kromet, Goteborg, Sweden**

...but...

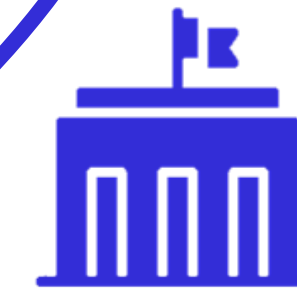
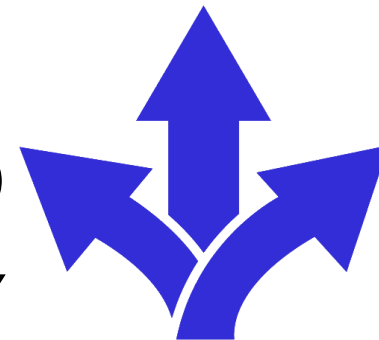
STRATEGY
AND
PLANNING



MINDSET
AND
KNOWLEDGE/EXPERIENCE

Circular
construction

ECONOMY
AND
RESPONSIBILITY



LEGISLATION

...but...

STRATEGY AND PLANNING



- reusing of materials enters the project too late;
- insufficient investment in innovation and design;
- lack of a holistic approach to the environmental impact of materials throughout their whole life cycle and beyond;
- lack of demand for secondary materials combined with low availability and uncertain flows;
- inflexible planning and zoning.

...but...



MINDSET AND KNOWLEDGE/EXPERIENCE

- cultural bias, sector inertia;
- learning new ways of working;
- lack of know-how;
- lack of capacity and finances to develop new skills;
- lack of knowledge-sharing between stakeholders.

...but...

- possibility of higher costs;
- higher risks;
- uncertainty about payback;
- lean margins.

**ECONOMY
AND
RESPONSIBILITY**



...but...

- preventing reuse;
- open to interpretation;
- no standard guide for resource mapping and pre-demolition audits;
- no standards for secondary materials certification/documentation.



LEGISLATION

Opportunities



- new business models and economic opportunities;
- stimulating innovation;
- lower dependency on import;
- higher well-being of humans;
- improved human-nature connection;
- more stable economic growth.

Circular construction in the Nordics – It is possible...



Kristian Augusts Gate 13, Oslo,
Norway
Credit: Kyrre Sundal/Mad arkitekter



ResourceRows, Copenhagen, Denmark



Drangar, Skógarströnd, Iceland



Helsinki Central Library, Helsinki, Finland

... but we need to focus on *how-s* not the *but-s*.



Thank you for your attention.

Nordic Networks
for Circular
Construction



**Nordic Council
of Ministers**



Circular transition in the Nordics

www.nordiccircularhotspot.org

