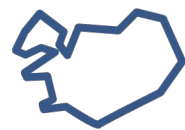


WP4

Emission-Free Construction Sites

WP4 - Team



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WP4 is outsourced to Green Building Council Iceland.
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The aim is to support a transition to emission free construction sites through policymaking and through building the required competency and capacity in the building sector.



WP4 Activities



1. Nordic Declaration on emission-free construction sites

Feb 2023

2. Report on definitions, boundaries and terminology of the area

Feb 2023

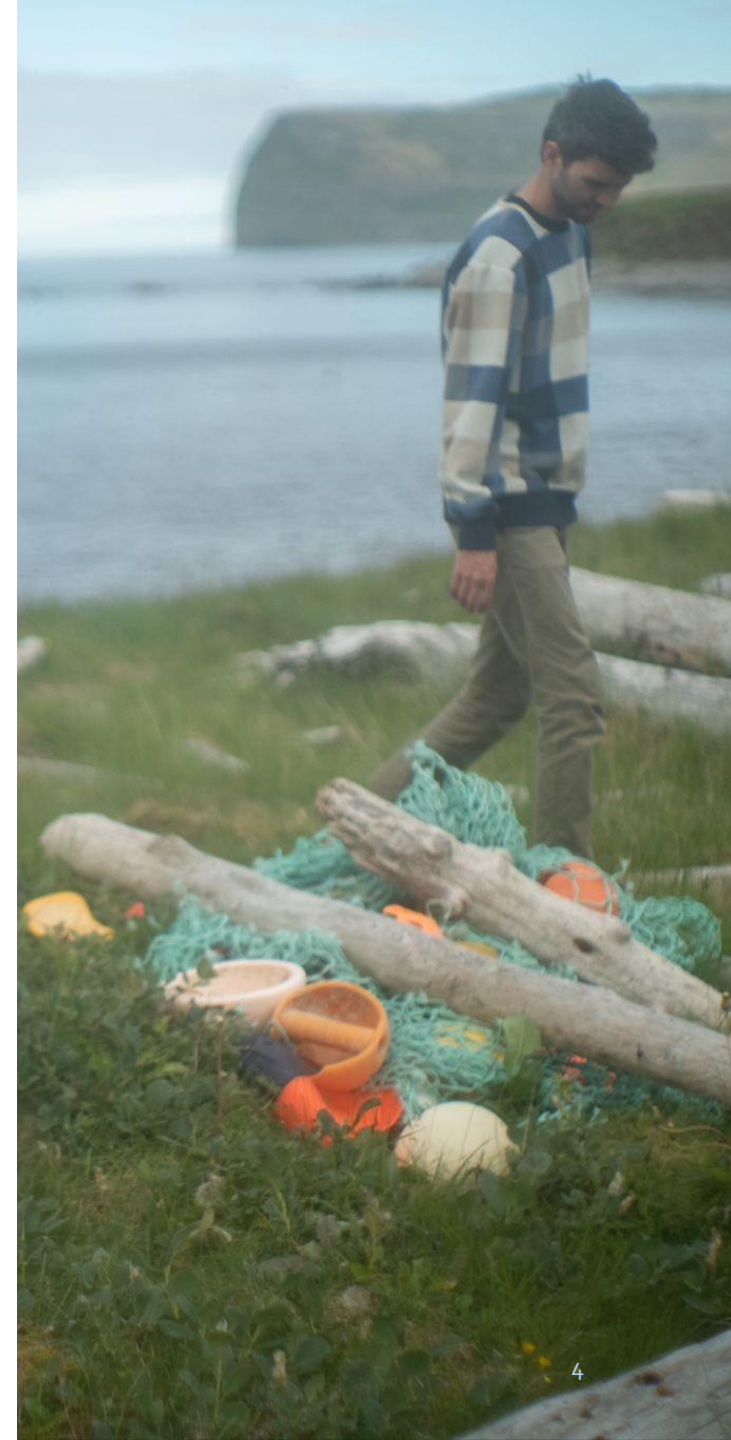
3. Platform for cooperation

Feb 2023

4. Encourage and facilitate Nordic research and innovation

5. Development of guidelines for procurers and construction companies

6. Report on main barriers and recommendations



Boundaries

BUILDING LIFE CYCLE																ADDITIONAL INFO
PRODUCT			CONSTRUCTION PROCESS		USE							END OF LIFE				POTENTIAL BENEFITS AND LOADS
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
RAW MATERIAL SUPPLY			TRANSPORT TO CONSTRUCTION SITE		USE, INSTALLED PRODUCTION	MAINTENANCE	REPAIR	REPLACEMENT	REFURBISHMENT	OPERATIONAL ENERGY	OPERATIONAL WATER	DECONSTRUCTION	TRANSPORT	WASTE PROCESSING	DISPOSAL	RECOVERY, REUSE AND RECYCLING POTENTIAL
TRANSPORT TO MANUFACTURING																
MANUFACTURING			CONSTRUCTION INSTALLATION PROCESS													



Energy carriers

Batteries and Hydrogen (Emission-Free)

Biofuels and Electrofuels (Fossil-Free)

Energy efficiency is important (Batteries, Hydrogen)

Opportunity for nordic development in Electrofuels and Biofuels

Analysis of cost needed for procurement guidelines



Platform for cooperation



The platform is growing

Designers, Construction firms, Utility companies, Municipalities, Building industry NGOs, Machinery producers and importers, energy production companies, etc.



To do

Harmonizing terminology and methods

Investigate sustainability of proposed solutions

Estimate cost of proposed solutions

Prepare Nordic event for ECS

Analyse barriers and opportunities



Discussion

1. How and where to collect information about emissions at construction sites for each Nordic country, the newest resources?
2. Emission-free construction machinery is a big part of the project. Iceland have noticed that what is stopping the market (in Iceland) from going in that direction is not enough supply (and the prices are 2-5 times higher). What can be done to help increase the production if the demand is there?



Thank you!

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