











Progran	nme	
08.30	Coffee and networking	
09.00	Welcome!	
09.15	Key-note speeches	Josefina Lindblom, European Commission Esa Kallio, Municipality Finance Martin Manthorpe, NCC
10.00	Nordic ministers give their greetings	
10.15	Coffee pause	
10.30	State of the art in Nordic countries + panel discussion	Matti Kuittinen, Ministry of the Environment, Finland
11.00	Introduction to roundtable discussions	Kristina Einarsson, Boverket, Sweden
11.10	Roundtable discussion 1 – What can we reach with harmonization?	Harpa Birgisdottir, Danish Building Research Institute
12.30	Lunch break	
13.20	Roundtable discussion 2 – What can we harmonize and how?	Martin Erlandsson, Swedish Environmental Research Institute
14.20	Coffee pause	
14.45	Roundtable discussion 3 – How shall we continue?	Eivind Selvig, Civitas, Norway
15.30	Summary and conclusions	
18.00	Dinner in Malmö	

Practicalities for today

Wifi: wifiStGertrud
Password: Internet

Key note speakers



Josefina Lindblom European Commission



Esa Kallio Municipality Finance



Martin Manthorpe NCC Denmark

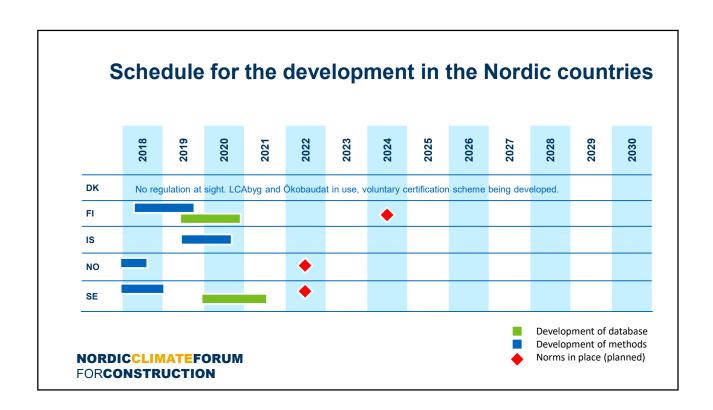


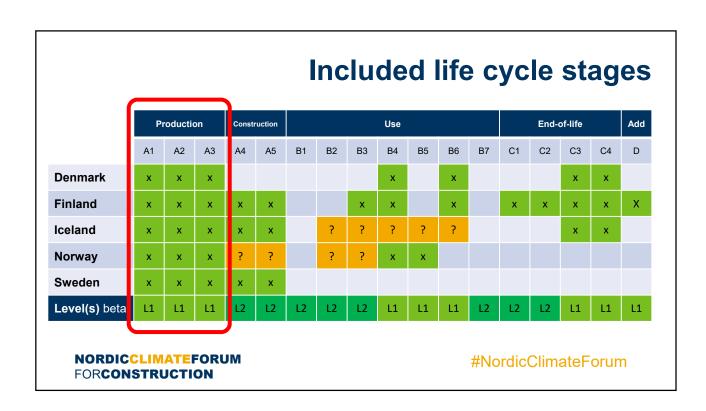
State of the art

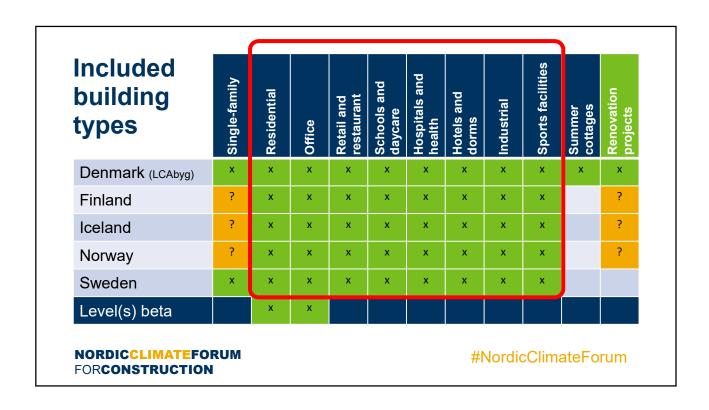
- · Plans for taking life cycle approach into regulation?
- Differences and similarities in the approaches
- Level(s) and Nordic approaches
- Note: the following comparisons are based on preliminary and unconfirmed inquiries and do not necessarily represent the final outcome in the countries.

The foundation is on European EN standards; no major differences appear.

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Included indicators	Primary energy	Greenhouse gas emissions	Acidification	Eutrophication	Ozone depletion	Summer smog	Fine particles	Human toxicity	Ecotoxicity	Water used	Waste	Damage to biodiversity	Damage to health	Depletion of abiotic resources	Depletion of fossil fuels	Odour	Other environmental impacts
Denmark	Х	х	х	х	х	x								x	x		
Finland	Х	х															х
Iceland	Un	er dev	lopm	ent													
Norway		х						(x)	(x)		(x)	(x)	?		(x)	(x)	
Sweden		х															
Level(s) beta	х	х	х	Х	Х	Х								Х	Х		
(x) = not included in the pro	posed	LCA but	are in	cluded	in the N	lorwegi	an Reg	ulation	on tecl	hnical r	equiren	nents fo	or cons	truction	works.		

Included		Sub ucti		Structure									Building Services									Finishes				External		
building parts	Foundations	Basement walls	Ground floor structure	External walls	Frame (columns and beams)	External doors	Windows	Internal walls	Floors	Ceilings	Roof	Stairs and ramps	Water system	Sewage system	Electrical system	Heating system	Cooling system	Ventilation system	Conveying system	Data system	Fire protection system	External finishes	Internal finishes	Fixed furniture	Furniture	Balcony	Vegetation	Pavements
Denmark (LCAbyg)	х	х	х	х	х	x	x	х	х	x	х	х	х		x	х	x	x				x	x			х		
Finland	х	х	х	х	х	x	х	х	х	x	х	х	х	х	х	x	х	х						х				х
Iceland	U	nde	r de	velo	pme	ent																						
Norway	?	?	х	х	х	x	х	х	х	х	х											?	?					
Sweden	х	x	x	х	х	x	х	x	х	х	х	х																
Level(s) beta	х	х	х	х	х	х	х	х	х	х	х	х	х	х	х	Х	х	х	х	х	х	х	х	х		х		Х

Generic databases used in life cycle assessment

	National database	Other dataset
Denmark		Ökobaudat (German database) for LCAbyg
Finland	2020 >	
Iceland		Foreign databases, EPD Norge and Environdec
Norway		Focus on EPD´s, OneClickLCA for Statsbygg
Sweden	< 2022	

In addition to generic databases, Environmental Product Declaration (EPD) programmes exist in various Nordic countries.

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Conclusions

- There are more similarities than differences
- Methodological details could be jointly developed
- Compatibility with Level(s) is worth taking into account



Introduction to roundtable discussions

Kristina Einarsson

Purpose of today's roundtable discussions

Your task:

- Share your knowledge
- · Show on key factors
- Make suggestions

Our task:

- Collect information for Nordic harmonization.
- Engage with the industry, researchers and government.
- Create a network for continued work.

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Structure of today's roundtable discussions

- 3 5 min: Introduction to the dialogue by
 - Harpa Birgisdottir, Danish Building Research Institute (Denmark)
 - Martin Erlandsson, IVL Swedish Environmental Research Institute (Sweden)
 - Eivind Selvig, Civitas (Norway)
- 30 45 min: Discussions
- 10 min: The participants writes down their answers

Practical steps



- You must have a computer / tablet with you.
- Connect to network "wifiStGertrud" (password: Internet).
- Log in to the webpage with the questionnaire https://www.delegia.com/nordicclimateforum
- Choose "Round table discussion" and a session
- Every table has an moderator Start the discussion!
- The moderator will announce when 10 min is left. Time for writing down your answers.
- IMPORTANT! Send your answers after each session.

We do not send / post your comments, however we are a public authority!

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Summary and conclusions

Kristina Einarsson

What happens next?

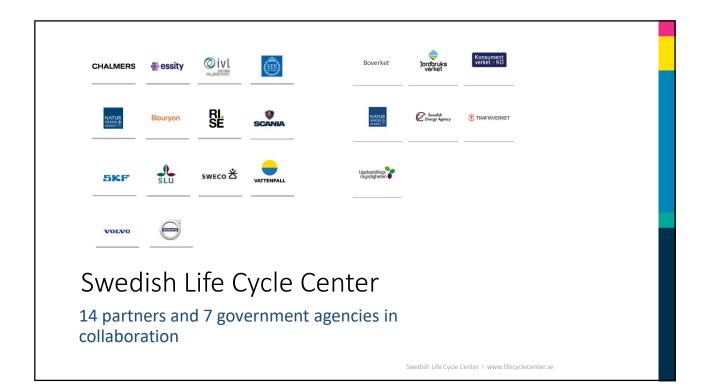
- A network for continuing the work will be created. It will be administrated and moderated by the Swedish Life Cycle Center (SLC) at Chalmers University of Technology.
- A report with the results will be produced.
- Everyone who participated will get the report.

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Presentation of the network

by

 The Swedish Life Cycle Center (SLC) at Chalmers University of Technology Jenny Lagergren



Network for continuing the work

Nordic Working Group for harmonization: LCA, climate and buildings

- To address the results from the Nordic Climate Forum of Construction 2019 and to deepen the discussion of a Nordic harmonization of construction between expertise,
- a report with the results will be produced
- · representatives from the Nordic building authorities, academia and industry,
- · increase knowledge and dissemination of results of the cooperation,
- · Web meetings

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A dialogue forum

- Open for everyone
- Opportunity to influence the harmonization process

Dissemination of results:

- Everyone who participated will get the report
- Public webinar 2020

Are you interesting in joining the network?

Contact us for more information:

Jenny Lagergren, Project Manager <u>jenny.lagergren@chalmers.se</u> Maria Rydberg, Project Manager <u>maria.rydberg@chalmers.se</u>

Read more about the collaboration:

https://www.lifecyclecenter.se/projects/nordic-working-group-for-harmonization-lca-climate-and-buildings/

