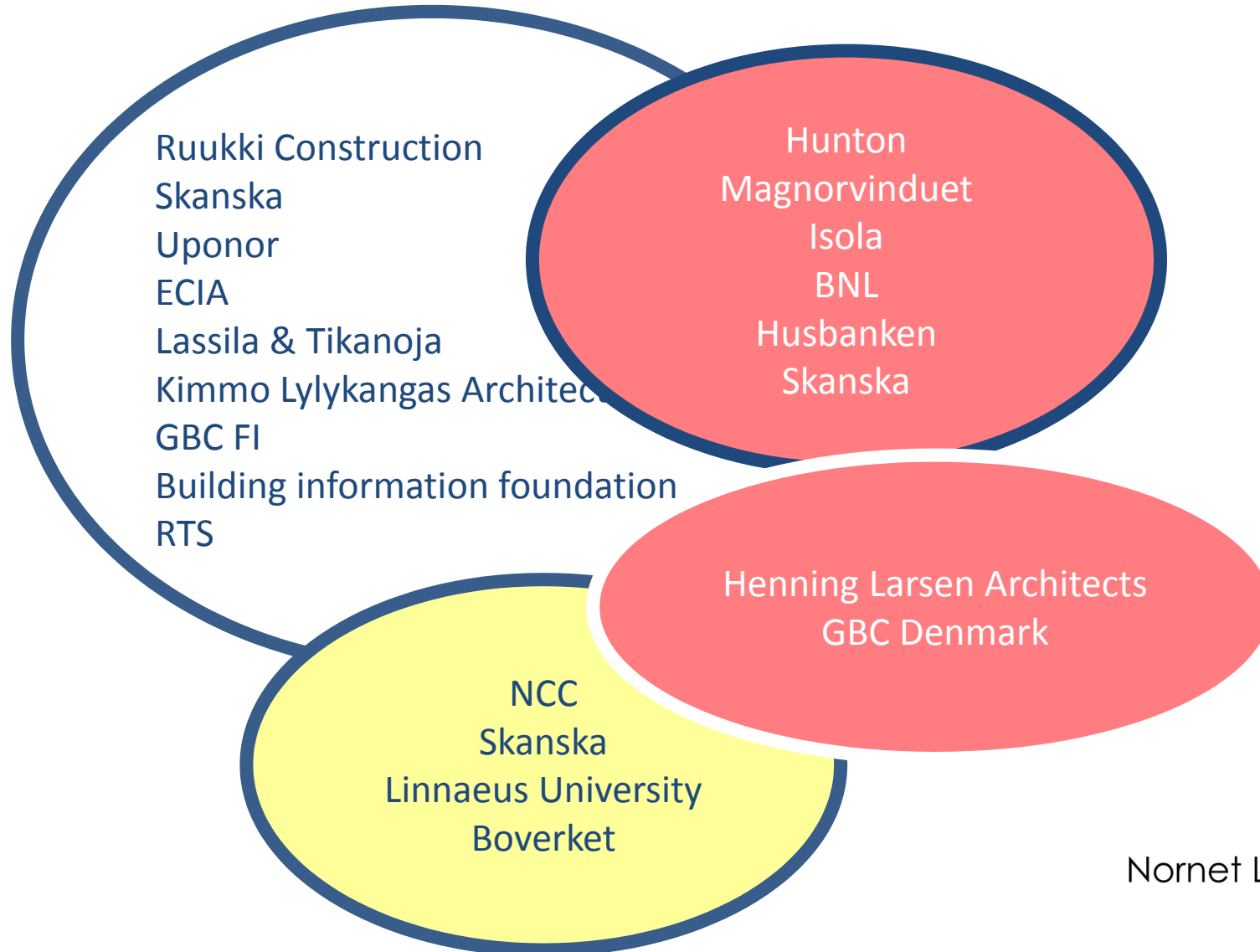


Interviewees



Interview questions

1. What are the knowledge gaps concerning the environmental impacts and the significance of different process phases / activities in the building sector?
2. What new understanding is needed about the effect of methodological choices in LCA? How much do the methodological unclarity and shortcomings complicate the use of LCA in decision making?
3. What kind of / how can a Nordic collaboration support and help the use of LCA in the building sector?
4. Do you think the use of BIM can be of help for LCA applications? What is the biggest hinder for BIM/LCA integration?

1 Environmental impact knowledge gaps

- Environmental impact data and relative significance of constructions (building elements, constructions, designs)
- Guidelines for scenarios; use face and end-of-life face (A5-D)
 - Construction process
 - Maintenance and replacement
 - Recycling
- Factors for energy, and especially electricity across Europe
 - Denmark: missing data on district cooling
- Other impact categories than GWP
- Default values

2 Methodology problems

- Comparability – consistent and crystal clear rules are needed
- Transparency
- Knowledge gaps and misunderstandings, especially important for the users that evaluate and choose products based on LCA
- Temporal aspect – emissions today more important than emissions tomorrow
- When to use average data vs. specific data
- Consequential LCA
- LCA results are too academic and difficult – need for easier indicators – "boil it down"



3 Need of Nordic collaboration in the field of LCA in building sector

- Nordic collaboration highly valued
- Important to use the existing frameworks of ISO/CEN and in general complement existing work and initiatives
- Not new tools but harmonizing the ones we have
- Common database for LCA data on buildings and building products
- Added value with combined resources
- Common environmental performance criteria/requirements in the Nordic countries



3 Can BIM help the use of LCA in decision making

- Quite large variation in the answers
 - Some think BIM is very useful
 - Some claim there is little demand for it
- Service life and maintenance
 - Complicates the BIM/LCA interface