





South Baltic





• The Project FBB- EU-Southbaltic Project – 2024-2027:

• Partners:

Sweden: Kalmar Municipallity, GodaHus (NGO), Linnaeus University

Germany: Wismar Hochschule

Denmark: Vocational training center, NorthWest Zeeland, NEG +

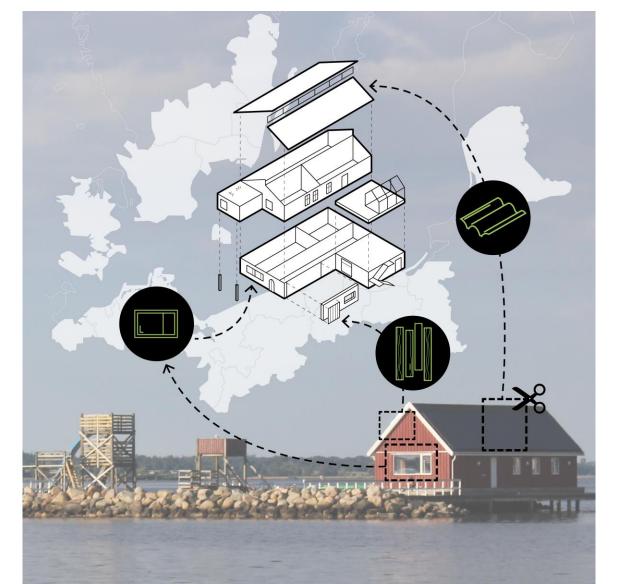
Holbæk Municipallity

Task: Show how to reuse building materials by doing it ourselves! Teach the building industry the way to do so!





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- Reusing building materials:
- Pilot: Making the best use of already torn down building materials in Holbæk (Holbæk Municipallity)
- Pilot: Making a "second life workshop" for a school in Stralsund from reused materials and components (Wismar University)
- Pilot: Explore the market to align the demand and supply of reused construction materials. Ultimately, the goal is to make all procurements green. Initial steps include testing the market for demolition mapping and establishing a marketplace for reused construction materials





- How to do it:
- Educating the workforce of the building industry in reusing materials (Vorcational Training Center, NEC)
- Workshops with students, planners, workforce in partner countries and beyond (WH, LNU)
- Seminars on the topic (WH, LNU)
- Sharing knowledge with the industry: (LNU, WH, GodaHus)





- Results:
- Integrating the concept of reuse in the theoretical framework to be called FutureBalticBauhaus laid out in:

The Principles of the FutureBalticBauhaus







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From "The Principles of the FutureBalticBauhaus"

"With "business as usual" we will not be able to reach our climate goals and reduce emissions"

"The main FBB principle is to develop a design idea for the South Baltic region and stengthen its regional identity, through enabling a more circular and sustainable building sector."

The idea and practice The common chalof reusing materials lenge is to identify is there, has always ways to reduce CO2



been there, also in emissions in the conarchitecture. Yet the struction sector. This perspective we have all target groups of the building industry. These include public decision makers. and developers, companies, municipalities and policy makers. All creating circular solu-

today's challenges

grapples with a range is also an urgent need of challenges, some of to address building vawhich are slowing the cancies and prioritize stride to circularity.

Additionally, regula- cision makers. tory frameworks pose significant challenges, Perhaps most pressing especially for circu- are the environmenta lar building practices. challenges: constant-Current regulations ly rising resource exoften favour tradition- traction threatens ecoal, linear construction systems, underscoring methods and can lack the importance of clarity or flexibility re- circularity in design garding the reuse of and construction. Furmaterials, certification thermore, the building of reclaimed compo- sector is responsible nents, or innovative for more than half the approaches to waste waste generated in

Studying the building

The building sector stock shows that there building renovation.

One is the lack of quali- The needed change of fied workers, which im- approach and mindpacts the quality and set presents itself as a feasibility of projects. challenge for many de-

most countries.





From "The Principles of the FutureBalticBauhaus"

Challenge:

"Restricting regulations or standards which are inconsiderate towards circular processes often create barriers to widespread implementation"

"Addressing these regulatory complexities will pave the way for sustainable renovation and construction practices."





PILOTS: Provide concrete examples, illustrating how circularity can be succesfully implemented.

TEACHING: Will enable the workforce, planners, architects, engineers and decision makers to work with reused materials and embrace designs that prioritize disassembly and adaptability.

GUIDELINE: Will present approaches reflected in the pilots and the training programme, as well as assemble and establish the concept of the FutureBalticBauhaus.





Status May 2025:

Pilots:

Holbæk has made a sample of used bricks to be analysed by Wismar in order to document the strength ...

Preparing tender for building a dental clinic – The tender gives strong incitives to use torn down and saved building materials.

More about this in presentation from Niels Thun-Rasmussen





Status May 2025:

Pilots: Hochschule Wismar is planning a **second life workshop** for a school made of **reused materials / components**

Focus on the **planning phase**:
How does the **process and approach change**, but also the **output**- **aesthetics**?







Status May 2025:

Questionaire developed by Linnaeus send out to the building industry spring 2025: Main results from the survey:

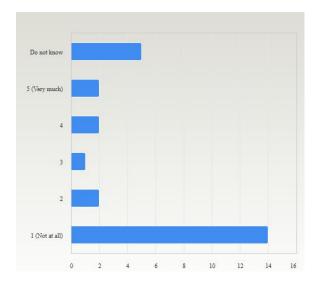
Survey

Three languages:

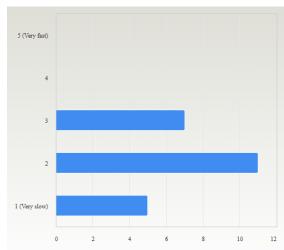
SWE: 26 answers

DAN: 6 answers

GER: 5 answers



To what extent are you collaborating with researchers in your region?



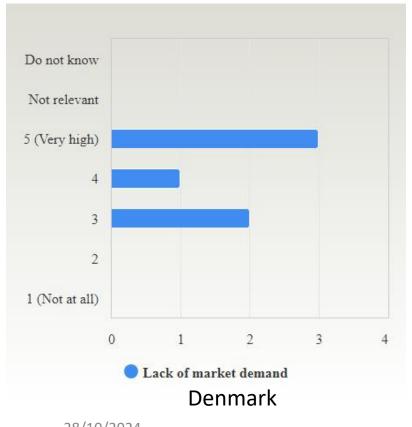
How would you rate the pace of technology adoption (including digital) for circularity in the building sector in your region?

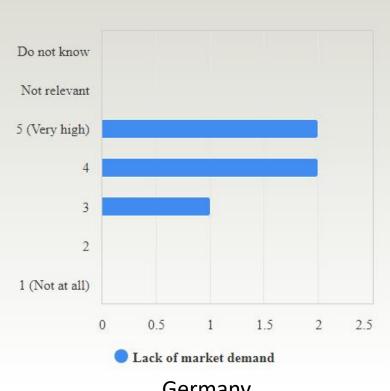


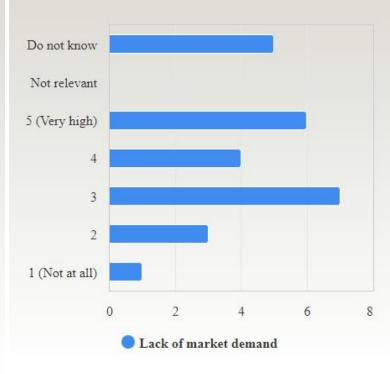




To what extent are the following factors barriers to circularity in the building sector in your region/area?



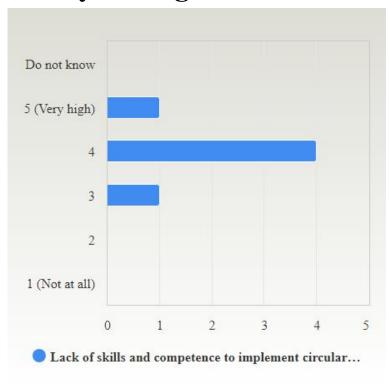


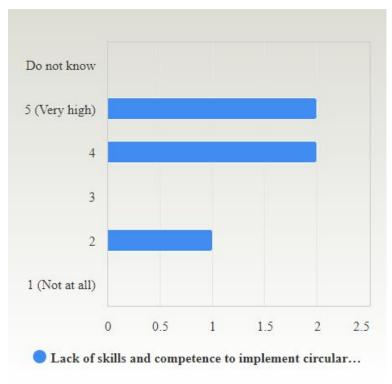


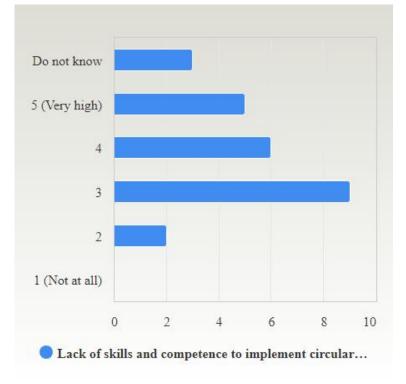
Germany

Sweden

To what extent are the following factors barriers to circularity in the building sector in your region/area?





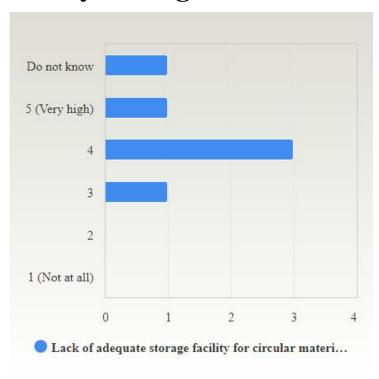


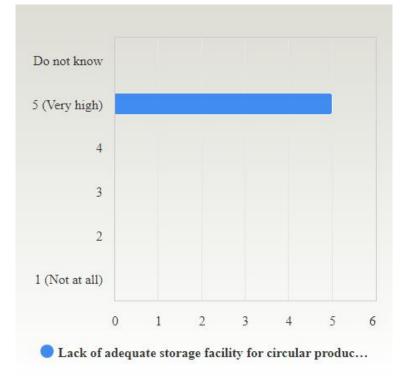
Denmark

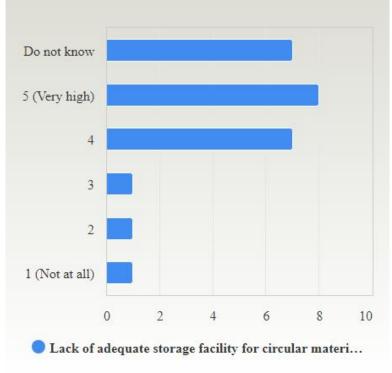
Germany

Sweden ₁₅

To what extent are the following factors barriers to circularity in the building sector in your region/area?







Denmark

Germany

Sweden





We are overwhelmed by the interest from the industry taking part:

95 participants – both public and private - in **Kalmar** for the Swedish kick-off.

Students from five universities from USA, Asia and Europe participated in the Workshop "Re_sourcing aesthetics in architectural design"

given at **Wismar Hochschule** this March. Linnaeus University participated!

Holbæk was after Kick-Off invited by CLEAN CLUSTER DENMARK to join a Horizon Europe application with Belgium and Portugal on the topic.

We are on the right journey!

A journey that must have inputs from every stakeholder to succeed!

So please - do share with us your thoughts, your knowledge, your questions so we can do the journey towards a more sustainable build environment together.