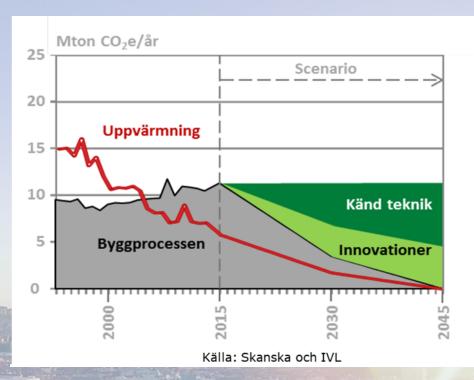






### Background

- Built environment demands > 50% of the material resources, >20% of plastic use is in construction sector in Europe (IVL-report)
- Construction > 35% of the total waste generated in the EU
- Construction sector >20% of the total CO2-emissions in Sweden
- Building material supply stands for 5-12 % of Sweden's national C02-emissions
- For new construction > 60 % of CO2-emissions from building materials





## Sweden's transition to a circular economy – legislative measures for construction sector

- National strategy for a circular economy 2020
  - sustainable production and product design.
  - sustainable ways of consuming and using materials, products and services.
  - toxin-free and circular eco-cycles.
  - driving force for the business sector and other actors through measures to promote innovation and circular business models.
- Swedish EPA investigation on waste as a resource 2021
   December
  - National criteria for end of waste investigated
  - Circular quota obligation investigated
- The Swedish National Board of Housing, Building and Planning
   Governmental assignment to develop the work with transition to
   a circular economy in the construction sector 2024 final report





# Barriers for increase re-use in the construction and real estate sector

- Virgin resources are cheaper, "more reliable supply", manufacturing is optimised for this
- New products has clear function, are CE-marked, has warranties etc. etc.
- Re-used products supply is not sufficient it is a supply problem rather
- Re-used products are not so well documented, the quality can vary.
- Actors that can supply re-used products are missing.
- The legislative framework for waste as resource and reuse of products in un-clear. The legislation is rather linear than circular.



<u>Transitioning the Swedish</u>
<u>building sector towards reuse</u>
and circularity



file:///C:/Users/annaj/Download s/978-91-620-6973-5%20(1).pdf



To shift from waste perspective to circular resource perspective

 From linear systems to circular systems – from waste hierarchy to circular economy

 To increase the demand for re-used products and re-cycled materials instead of virgin resources.







# - runner to a circular construction sector

Collaboration arena

Networking, working groups, experience exchange

- Digital platform for collaboration
   Inventory app, Product bank, Marketplace and Reuse KPI:s
- Target groups:

Property owners, architects, consultants, public sector, contractors, material suppliers, local networks

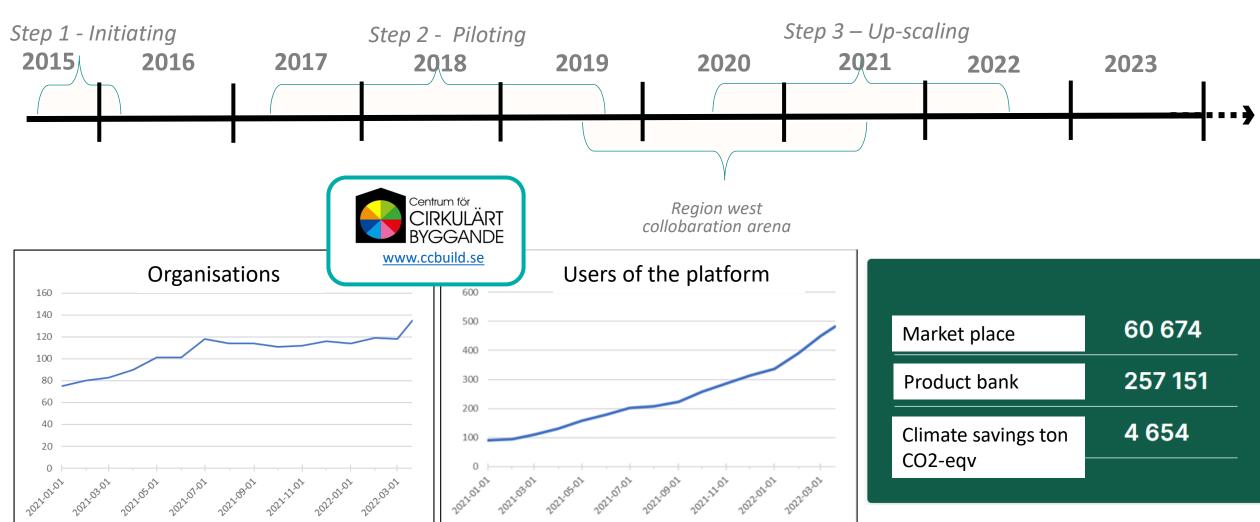














https://ccbuild.se/om-oss/organisation/

#### This is CCBuild:

**Industry organizations** 

**Research Organisations** 

**Material suppliers** 

**Collaboration arenas** 

Real estate owners

**Public athorities** 

**Contractor** 

Architects

Consultants





Adapteo.

















































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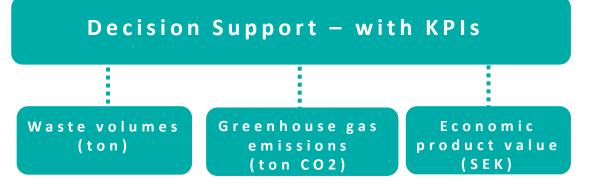


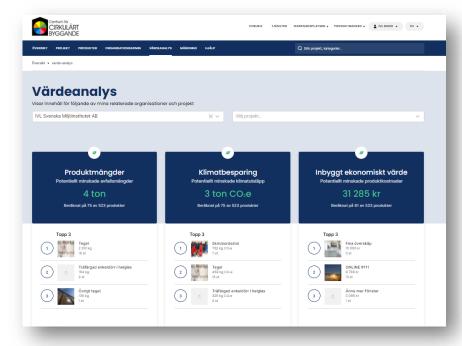




### **Reuse KPIs**









### Thank you!

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