

**NEW
DEMANDS**
NEW POSSIBILITIES



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EU-funded project focusing on circular economy
solutions for **bio-waste**, and **construction**
and demolition waste (CDW), including **soil**



GOAL

To better understand how local governments can best promote the transition to a circular economy (CE) in their city.

Closing urban material and resource loops, and thereby reducing the environmental footprint, increasing regenerative capacities, and stimulating new business opportunities





CLOSING THE LOOP FOR URBAN MATERIAL FLOWS

The cities involved in the project will implement **ten demonstration actions** and test over **30 new tools and processes** as part of CityLoops

10

demonstration
actions

30+

new processes
and tools



28 partners have joined forces in this EU-funded project coordinated by ICLEI – Local Governments for Sustainability, which started in October 2019 and will run until September 2023

WHY PARTICIPATE ?

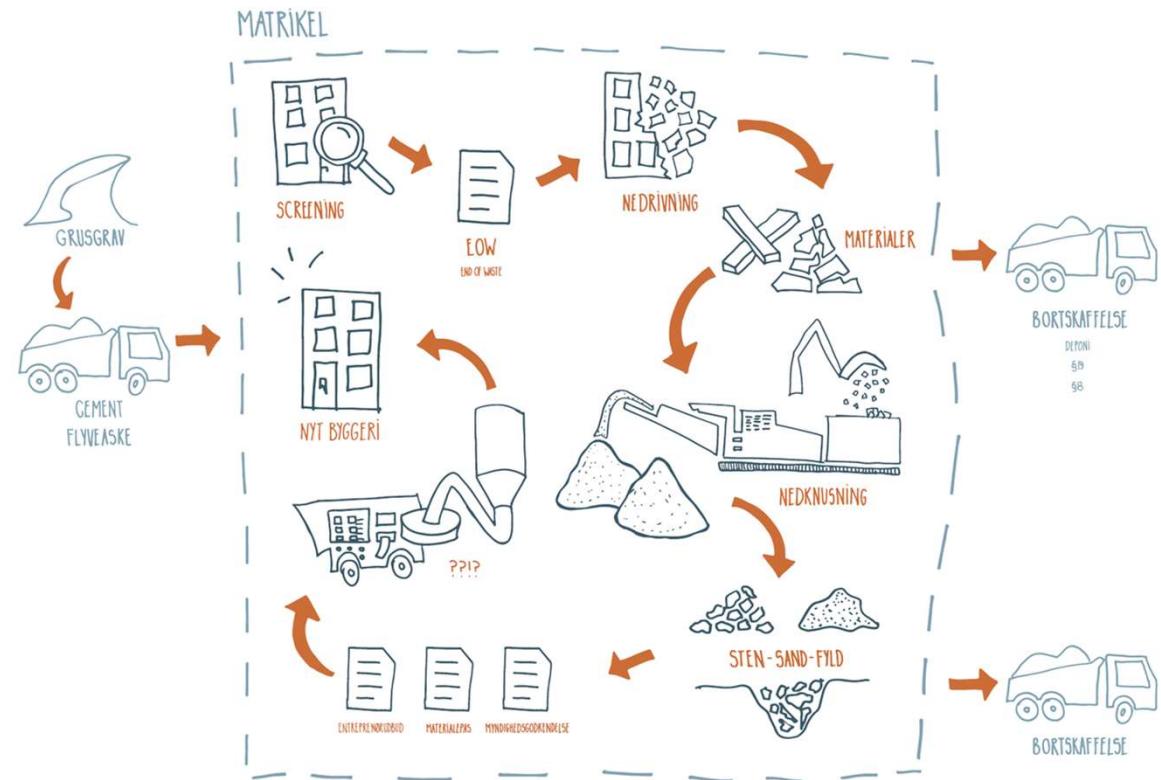


WHY PARTICIPATE ?



**Framework for transition
Circular Economy on a
practical level**

**Municipality tools
Move to commercial scale**





EJENDOMSSTRATEGI

**PROPERTY
STRATEGY**

Spraglehøj

PROPERTY STRATEGY 2022

12.5 – 12.8



By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.



Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle.



Promote public procurement practices that are sustainable, in accordance with national policies and priorities.



By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature.



Circular economy

Circular economy and better resource utilization are playing an increasingly important role in construction. In the early decision-making process, it must be assessed how material consumption can be minimized through recycling and recycling of both buildings and building materials, including land.

It is an objective to ensure that circular construction is profitable both environmentally and economically. Therefore, business cases must be prepared for various recycling projects. This will happen both internally and through participation as a demonstration municipality in development projects such as Hall 12, **CityLoops** and Circle Bank.

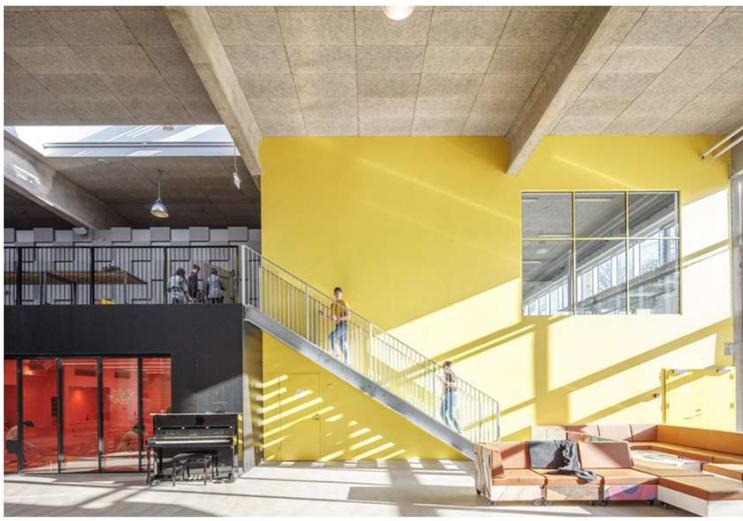
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PROCEDURES are
being **DEVELOPED**

Authorities has work
together



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MATERIAL BANK

Materials are **tested** and taken out of the waste hierarchy through **EoW**

Material passport

indicates possible reuse and recycling potential

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PRACTICAL LEARNING PROCESS

The results of the project has been transformed into a **practical builders manual**, that is distributed to other municipalities

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RESSOURCE SHEDS



Tegnestuen Vandkunsten

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RESSOURCE SHEDS



Tegnestuen Vandkunsten

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ENVIRONMENTAL
QUALITY
55% lower
CO2 emissions

ECONOMICAL
QUALITY
20% lower
constructions costs

SOCIAL QUALITY
75% of the costs
are used for local salaries

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BIDDING PROCESS

Experiences from development projects migrates into larger scale commercial projects



COMPETITION

Demands for recycling and reuse

Demand for soil balance

Demands for Life Cycle Calculations

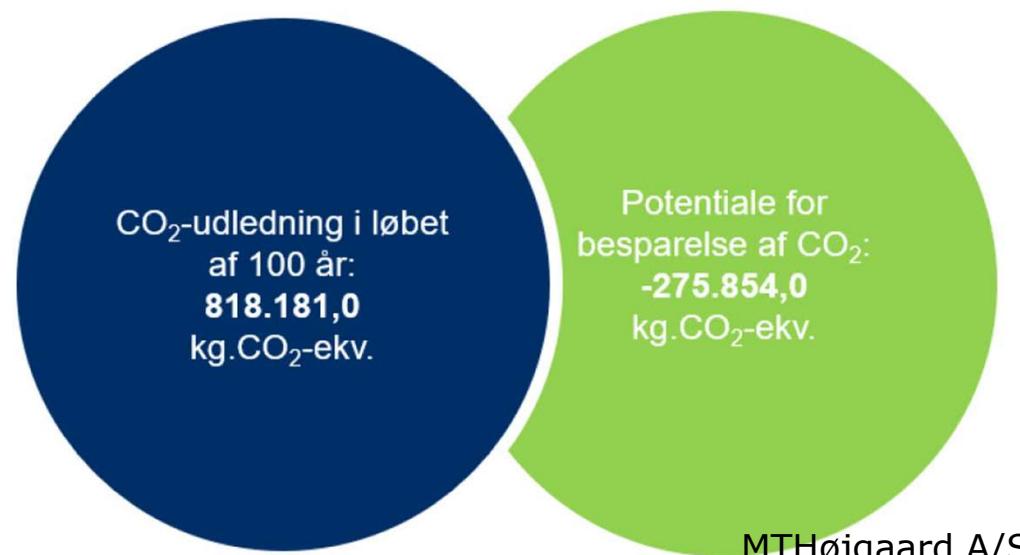


RESULTATER

Bygningens CO₂-udledning i løbet af 80 år er følgende:

Tabel 1 Bygningens CO₂-udledning og potentielle besparelser per hovedgruppe

	CO ₂ -udledning [kg. CO ₂ -eq.]	Potentielle for CO ₂ -besparelse [kg. CO ₂ -eq.]
Bygningsbasis	117070	-4492
Primære bygningsdele	625544	-259211
Komplettering	71946	-10603
Installationer	3620	-1548
	818.181,0	-275.854,0



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Surplus materials are being stored from project to project

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ROSKILDE
KOMMUNE



Social associations are going to inhabit the house along with cars



Get involved!

Is your organisation located in one of the CityLoops regions? Join the collaborative learning networks.

Are you a European city or region that wants to become more circular? Join as a replication zone.



THANK YOU
VERY MUCH!



Website: www.circularcities.eu

E-mail us: info@circularcities.eu

Follow us on Twitter: [@CircularCityEU](https://twitter.com/CircularCityEU)

Join the conversation: #CityLoops



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