



Johan Augustsson Property Director Lidl Sweden

BREEAM

AWARDS 2017 WINNER

L.DL



## Lidl Worldwide

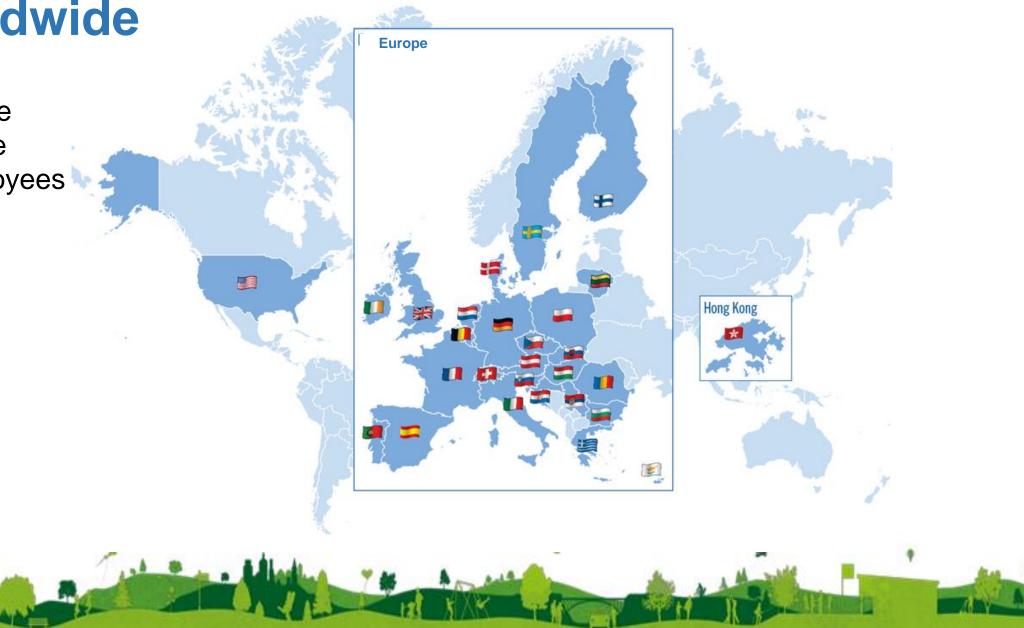
- No 5 worldwide
- No 1 in Europe
- 260 000 employees
- 29 countries

BREEAN

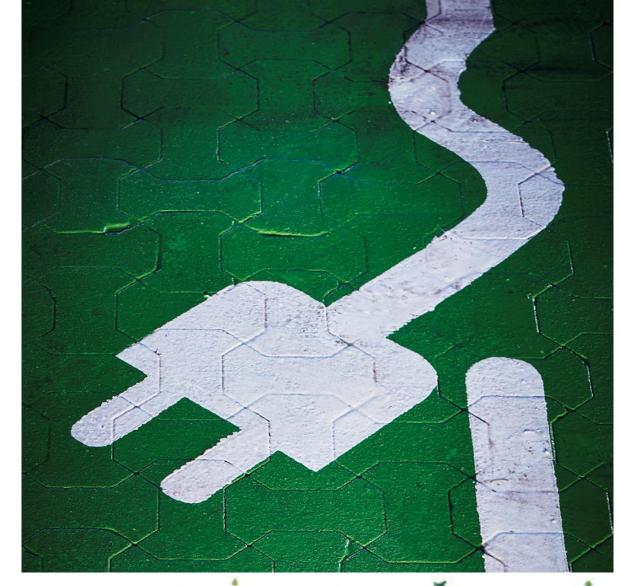
AWARDS 2017 WINNER

LODL

• 10 000 stores



# Why ?





## Sustainable solutions – Our concept –



REHOVER INTE KOSTA ME

## Sustainable features: Energy

• 67 % energy reduction

NARDS 20

DI

- 564 m<sup>2</sup> photovoltaic cells
- Car and bike charging stations



## Sustainable features: Health & Wellbeing

- Thermal comfort and indoor air quality
- Accoustic performance
- We encourage bicycling through different features





## Sustainable features: Land use & Ecology

• Enhance site ecology

NARDS 20

T C

- Protect existing ecological features
- Green roof, meadows and eco-zones







### Jenny Holmquist, Environmental Strategist GREENHOUSE AUGUSTENBORG

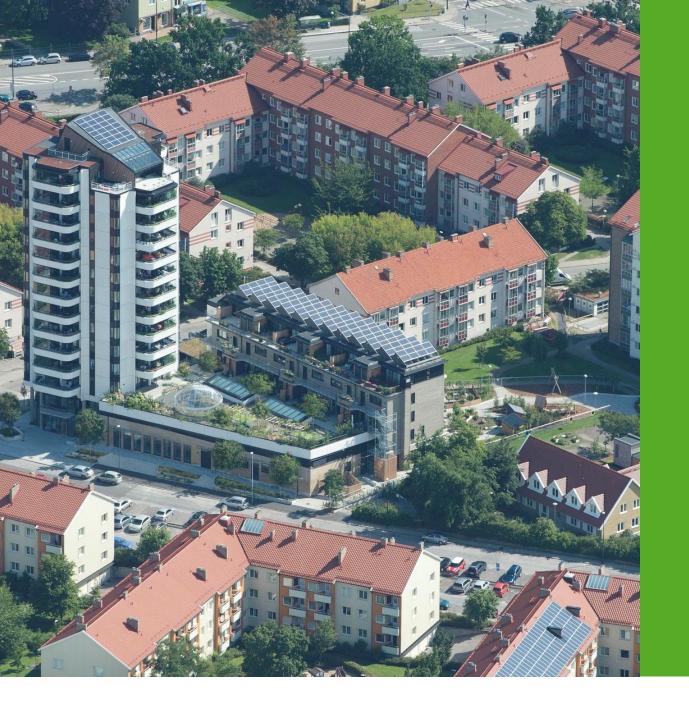
# MKB



MKB Fastighets AB Home for each and everyone

Founded 1946 Fully owned by the City of Malmö 22 500 rental apartments 750 new apartments 2017 Strong focus on affordable and sustainable housing





### **Greenhouse Augustenborg**

### Innovative project on sustainable lifestyle in cities

Unique cultivation apartments in a sustainable building

Ecotown Augustenborg

Architect: Jaenecke

Built by NCC





### Amazing opportunities for cultivation





## Making sustainable life style easy and attractive





### A sustainable climate smart building already creating new solutions for all 22 500 apartments





## A project and process creating new ways to social sustainability







Solallén

Sweden's first net zero energy neighborhood

Björn Berggren, Skanska Sweden, bjorn.berggren@Skanska.se









# We want to be Deep Green

# What's Deep Green? -Future proof

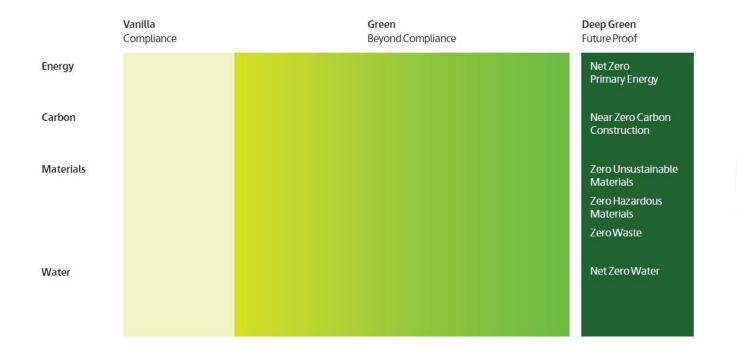
- -Net zero primary energy
- –Near zero carbon in construction
- -Zero unsustainable materials
- -Zero hazardous materials
- -Zero waste
- -Net zero water

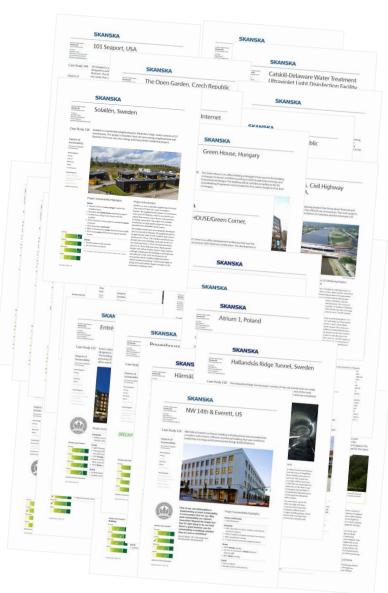
### Skanska Color Palette <sup>TM</sup> helps us

Skanska Color Palette™

**SKANSKA** 

Building







http://www.skanska-sustainability-case-studies.com/index.php/latest-case-studies/item/242-solallén-sweden

### Solallén

>100 % Solar energy – Net Zero primary energy
37 % Reduction of embodied carbon
2 % Construction waste
0 % Hazardous materials
0 % Unsustainable materials
45 % More water efficient

Certified according to Svanen Nordic Ecolabel Sweden's first net zero neighborhood

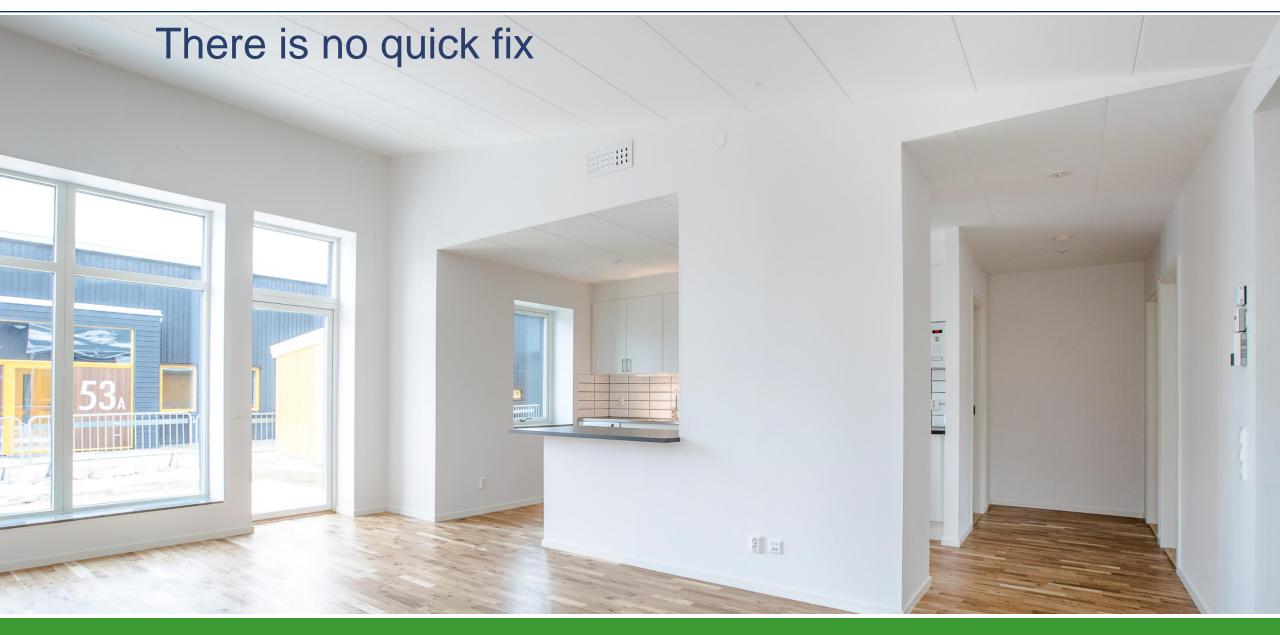


# How do we do it?

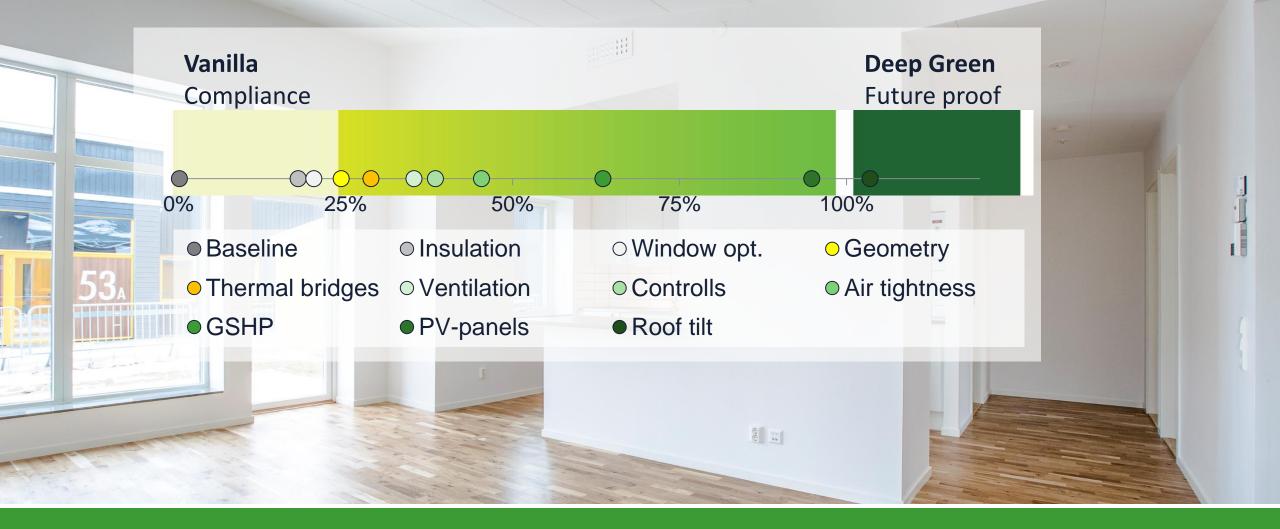
# TechnicalThesolutionsProcess

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### There is no quick fix

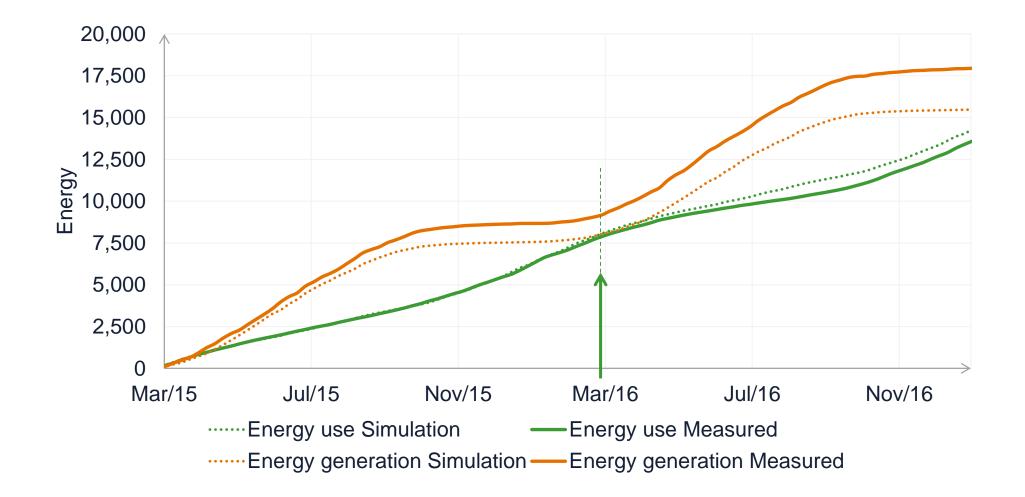




# What's in it for us?



### Energy results





# Lessons learned?

# Lessons learned

- -Everyone is crucial in our work
- -Clearly define your goal and don't let go
- -Make sure that everybody is involved
- -Try to outperform your goal
- -Plan for verification
- -Follow your plan



# Thank you!





# Brf Viva – Sustainability within a residential project

Anders Johansson, Charlotta Szczepanowski



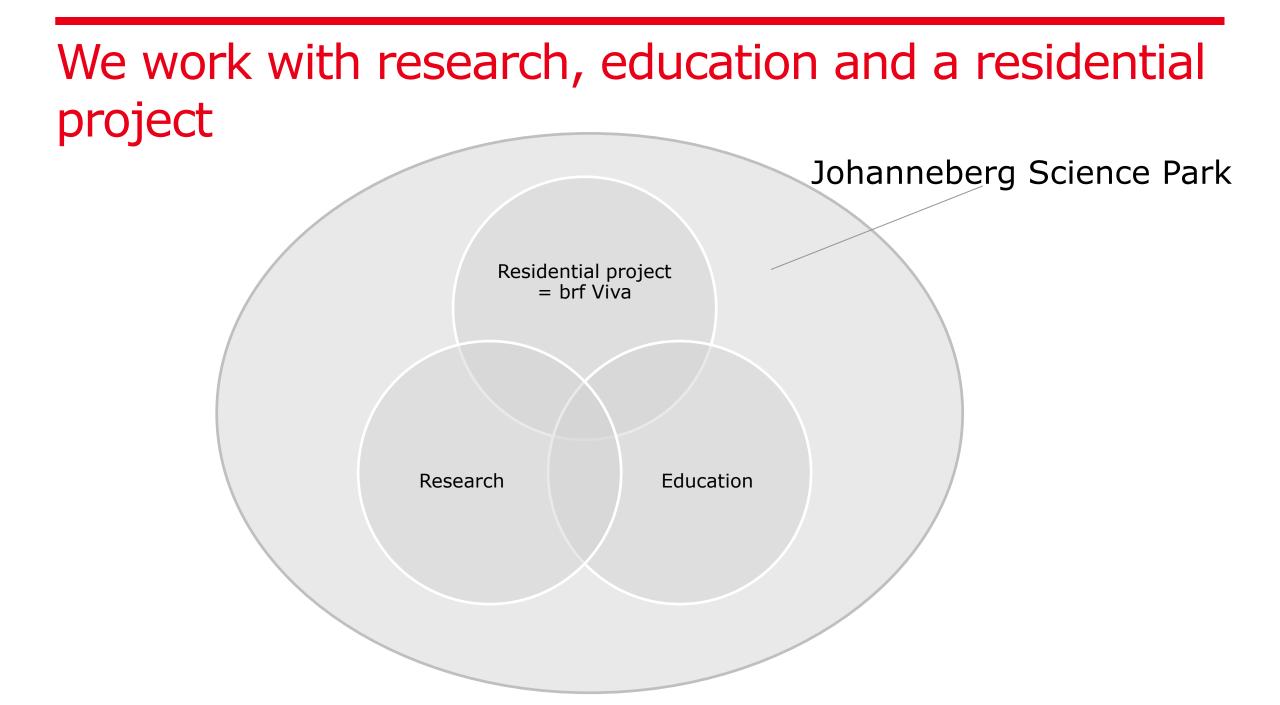


- We build properties, create housing associations, maintain buildings and offer residential services.
- Responsible for approximately a tenth of the housing built in Sweden.
- Over 500,000 people live in dwellings managed by Riksbyggen
- 2500 employees



## Brf Viva





## Research projects as a base for the residential projects

Stakeholder dialoges in the process		Social sustainability for a housing association?
Sharing	Social sustainability	Social consequences from building Make it possible for a wider range of citizens to afford an
A living without a car of your own		apartment Forefront
Ecosystem service analysis	Environmental sustainability Economic susta	Elexibility in the appartements
Reducing climate impacts from energy supply during the user phase	Reducing climate impacts from concrete	Economic sustainability for a housing association?

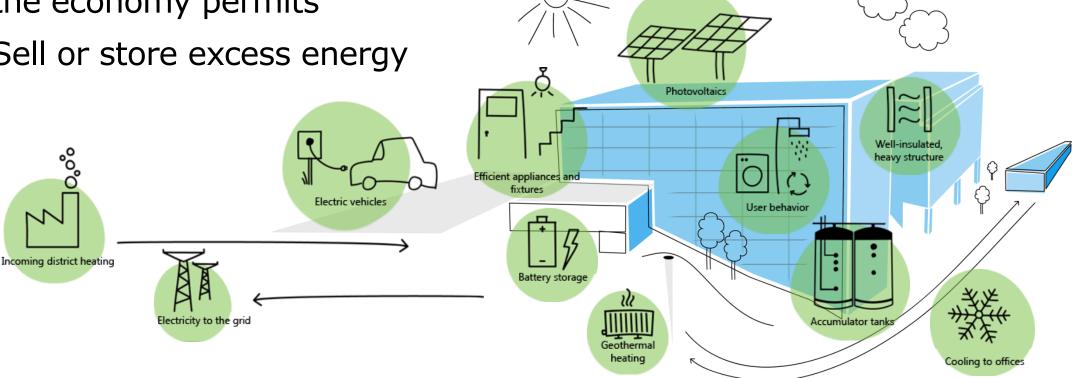
## A living without a car of your own

- Introduction when moving in
- Vehicle pool with electric:
  - Cars
  - Small vehicles
  - Bikes
  - Cargo bikes
- Intelligent delivery boxes



## A house that generates more energy than it uses

- Use as little energy as possible
- Locally produced energy when the economy permits
- Sell or store excess energy



## Try to find new solutions to reduce segregation – experiment with 6 apartments

- Make it possible for young people (18-30) to afford an apartment
  - Minimize the cost of the apartments by increasing the monthly charge
  - Small apartments with a lot of extra shared spaces
  - No need for a car of your own since a car pool included in the apartment
- The owner of the apartments are members of the housing associastion



Riksbyggen develops, maintains and improves the spaces that you live and work in.

Contacts

Charlotta Szczepanowski Chef enheten för hållbar utveckling 106 18 Stockholm +4686984142 charlotta.szczepanowski@riksbyggen.se









#### Measuring sustainability

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## **BREEAM OUTSTANDING**

HUBHULT is the most sustainable building in the IKEA Universe Swedens first outstanding certified building In the top 1% of certified buildings in the world



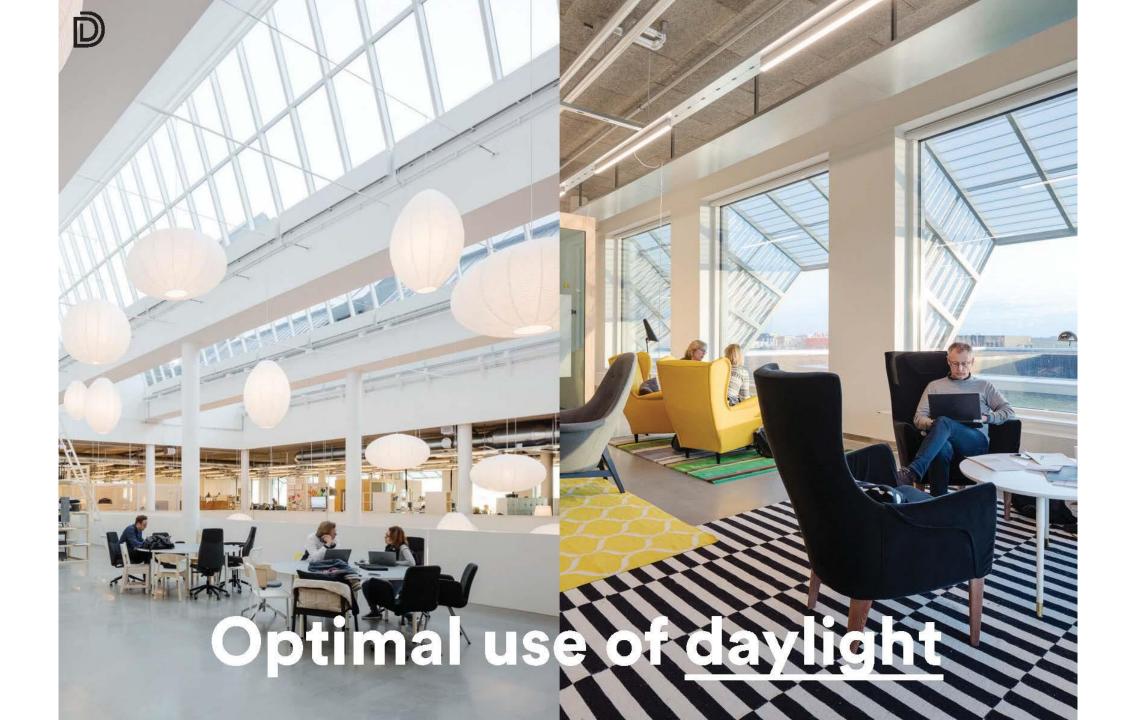
## **Responsible choice of materials**

100 % responsibly sourced structural building materials

100 % FCS-certified wood products

99,9 % of insolation + 50 % of walls, windows & ceilings attains the highest green guide rating

100 % of indoor finishing materials give very low or no volatile chemical emission





## You need air & light to grow

2880 m2 of green roofing 200 trees & 30 million seeds Ecological value and protection of habitat Long term impact on bioversity





## Thank you

Architects Dorte Mandrup A/S

Sustainability & Breeam Bengt Dahlgren AB









DING COUR



### CITYLAB

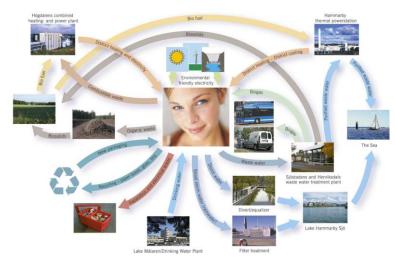
#### **Tomas Gustafsson**

Program Director of Citylab Action

Sweden Green Building Council

## SUSTAINABLE CITY DISTRICTS IN SWEDEN -ROLE MODELS





Hammarby Waterfront, Stockholm



Western Harbour, Malmö



Stockholm Royal Seaport, Stockholm



"We have a common work process that engages and leads

to sustainable urban development"





## CITYLAB CITYLAB ACTION

- ➢ GUIDE FOR SUSTAINABLE URBAN DEVELOPMENT
- PROGRAM for urban development projects
- CERTIFICATION SYSTEM

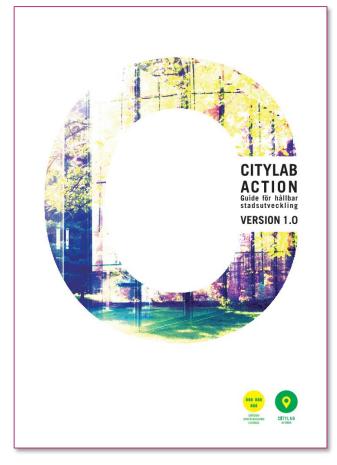
## **CITYLAB ACTION**

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**Guide for sustainable urban development** 









## **PROCESS MANAGEMENT**

TOING COUNCIL

Organisation Cooperation Participation Innovation



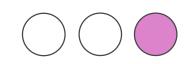


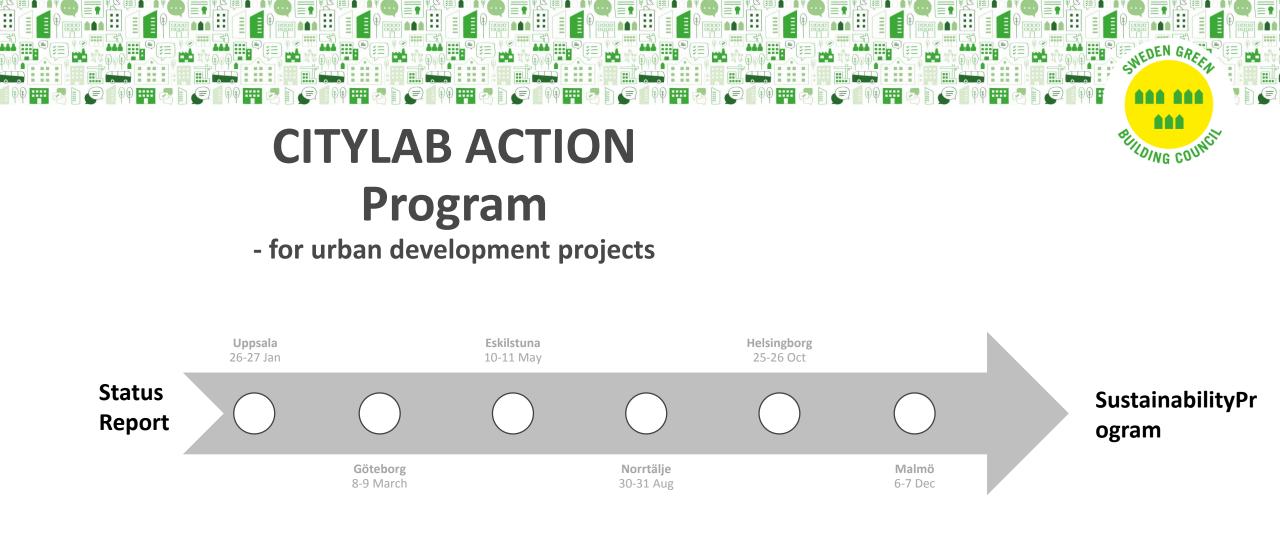
## **PROCESS MANAGEMENT**

DING COUN

Organisation Cooperation Participation Innovation

The DECODE project





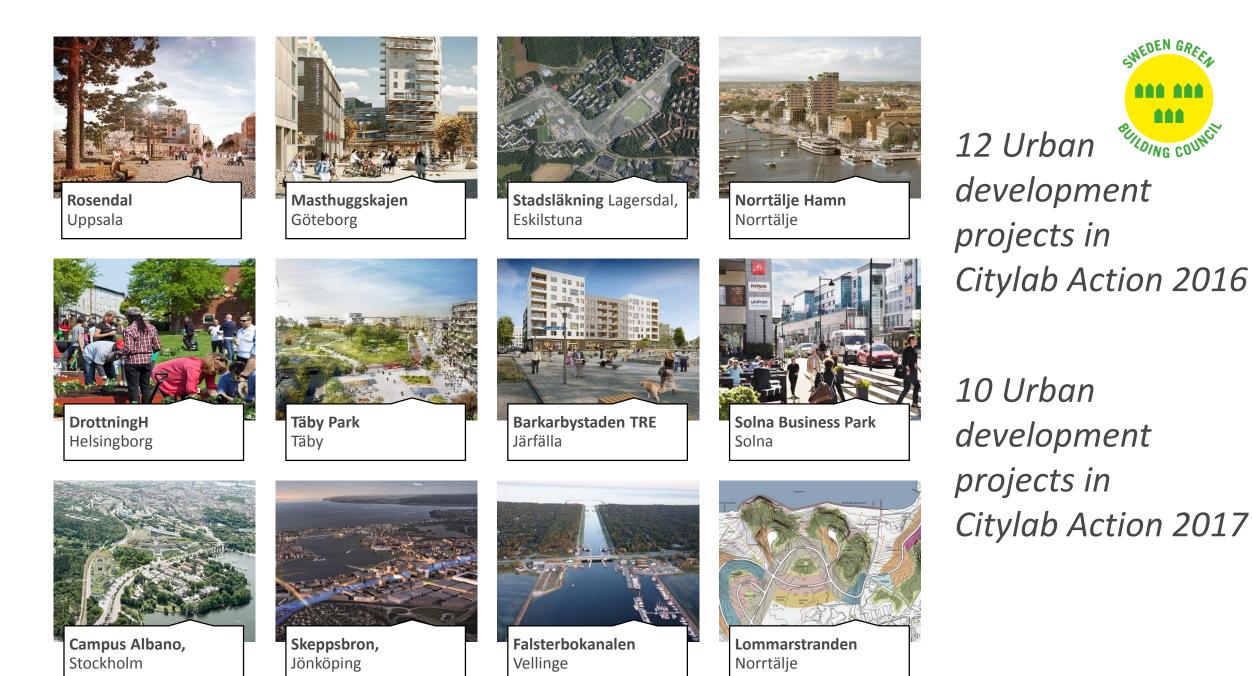


BUILDING COUNCIL

## **CITYLAB ACTION**



Citylab Action – Guide for Sustainable Urban Development







# SPEAKERS





## Hållbarhetsprogram för Täby park

Sustainability program for Täby park













# OUTCOME OF CITYLAB ACTION



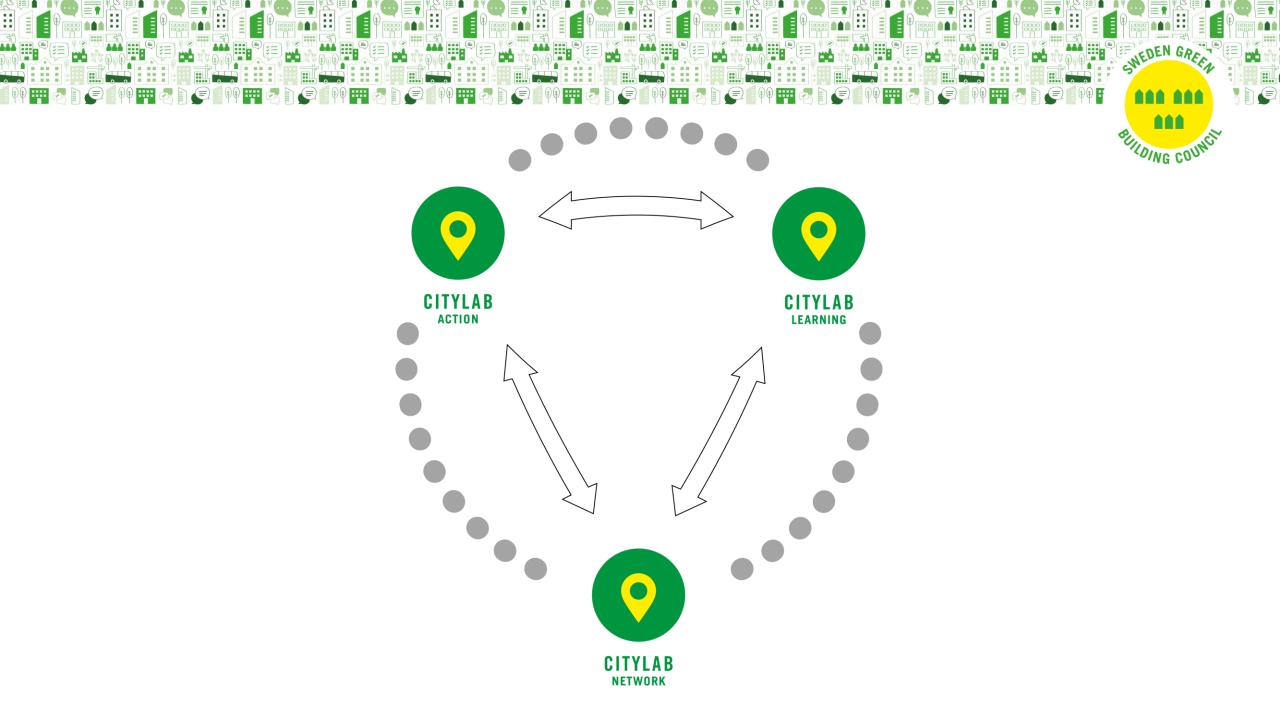
- A sustainability program for the project, including action- and follow-up plan
- Increased knowledge of sustainable urban development
- Improved competence in planning for sustainability
- More effective management and cooperation within the project
- Wide involvement of inhabitants and local actors
- A local and attractive demo-project on sustainable urban development
- A long term sustainable urban area for inhabitants och local actors!
- A network of projects and colleagues with a sharing culture
- The first step towards certification of the project





# CITYLAB CERTIFICATION SYSTEM

for sustainable urban development





# THE END

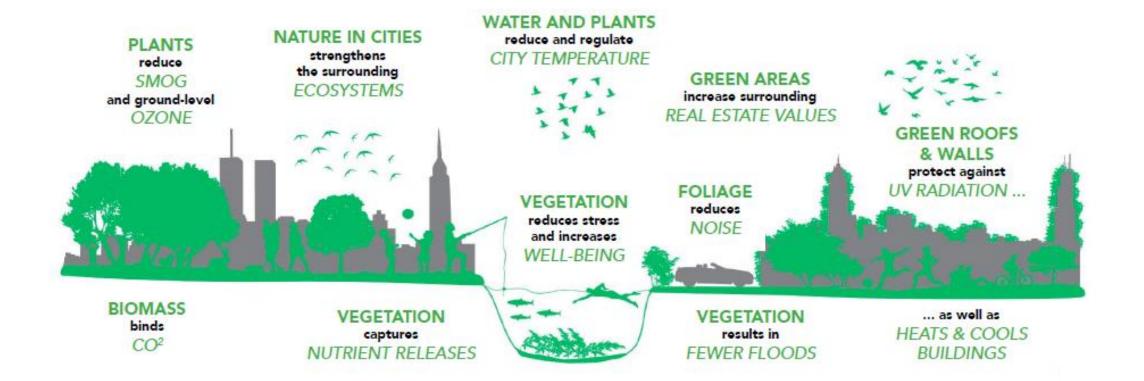




# **CREATING LIVING CITIES**

Emilie Zetterström City of Stockholm

# **Urban Ecosystem Services**







# **Stockholm Royal Seaport**

- Climate adapted and green outdoor environment
- Let the nature do the job
- Green solutions

## **Green Area Factor**







## **Stormwater - a resource**







# New pathways







# **Ecological pathways**







# Ecological







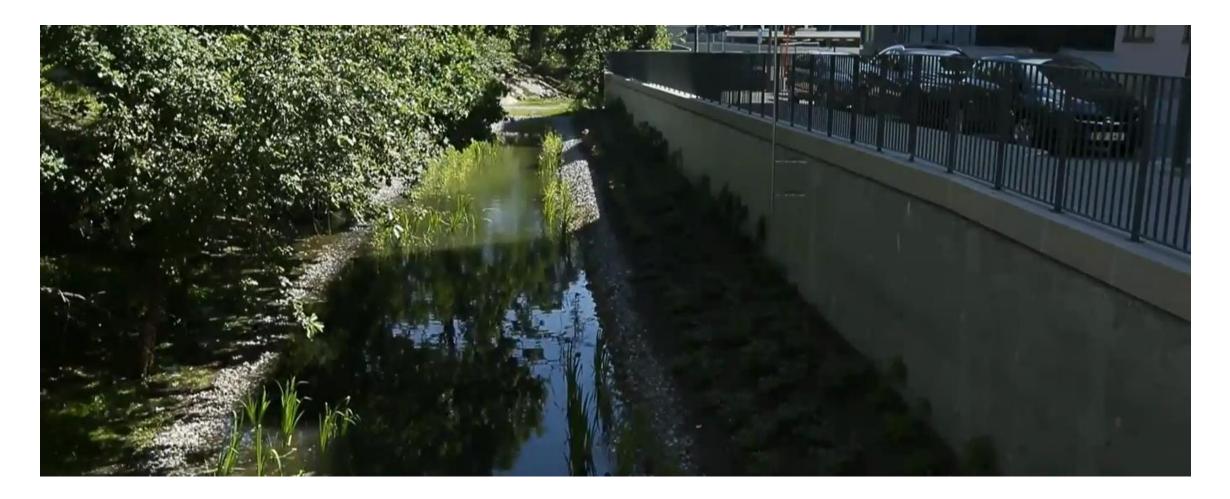






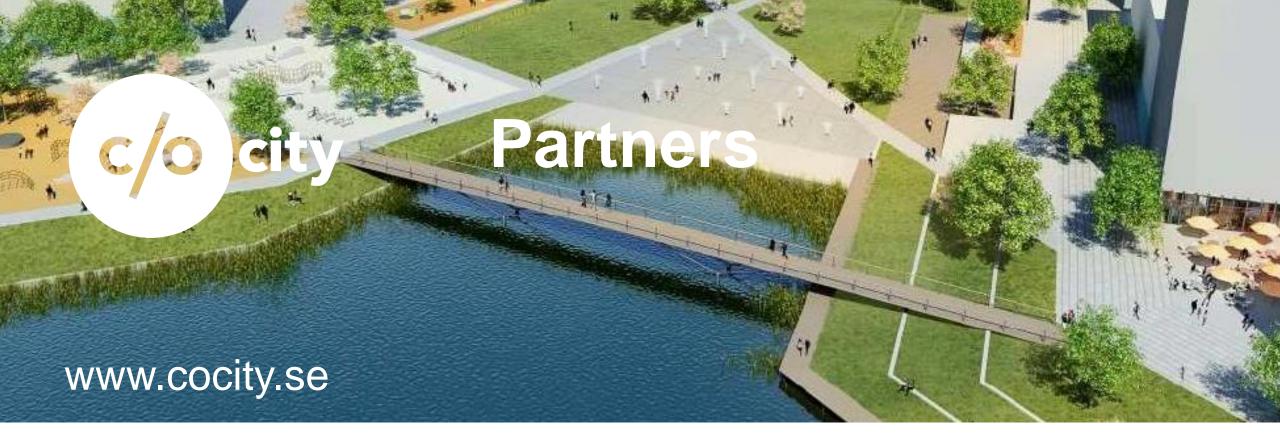


# Climate











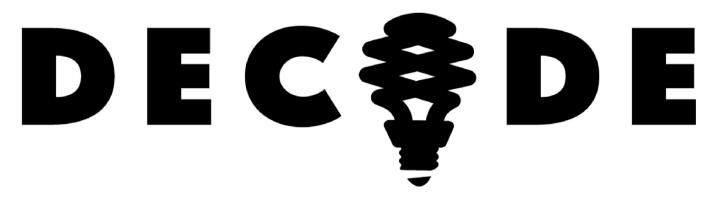


# Welcome to Stockholm!

# Emilie.zetterstrom@stockholm.se www.stockholm.se







### community design for conflicting desires

www.decodeprojektet.se

Sarah Bragée Tyréns, strategic analysis **Åsa Norman** Tyréns, environment

### **Vinnova Innovation – Sustainable Cities**

- **Time frame Jan. 2017 Dec. 2018**
- Budget 4

44 MSEK

- 17,5 MSEK VINNOVA (Swedens' innovation agency)
- Tyréns consultant company
- Sweden Green Building Council
- 8 municipalities, (Göteborg, Järfälla, Norrtälje, Sorsele, Stockholm, Täby, Upplands Väsby, Uppsala,
- National Board of Housing, Building and Planning
- Public Art Agency Sweden

VINNOVA				
🗱 TYRÉNS				
SWEDEN GREEN BUILDING COUNCIL				

## **Case 1: Analysis of Power – Upplands Väsby**

Power resource	Description
Formal power	Money and/or hierarchy
Symbolic	Legimity as expert, defender of environment or justice,
Cognitive	Linguistic, rethorical
Social	Ability to build alliances and networks, fame

#### **FINDINGS:**

- Money of minor importance
- The environment is important, great symbolic power
- Credibility is important for commitment.
   Communicate the extent in which dialogue can alter the Planning no false hope.
- Social alliances had great impact



### Case 2: Sustainable goals, all the way – Täby

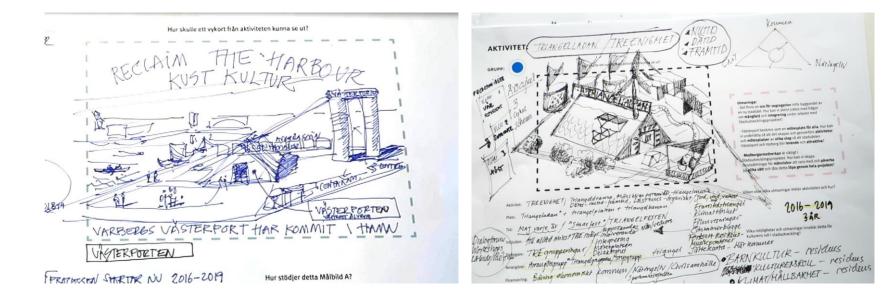
Goal	Guideline/Activity	Need	delivery	Gap improvement proposal
Sustainable	Existing strategy för			
travels are	mobility management.	Responsibility		
both easy and		Need		
attractive	Traffic signs for		Delivery	
	pedestrians and cyklists		reciever	
	exists from the beginning.			



### **Case 3: Creating values during regeneration** - Varberg

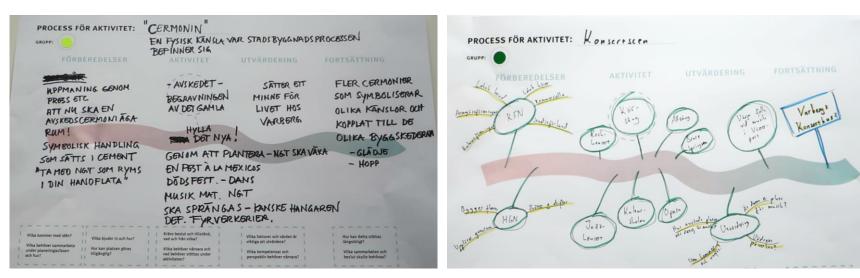


#### **Develop ideas**



#### **Defining the process**

- Financer
- Permissions
- commitment



#### **Video presentation**



www.decodeprojektet.se

# Thank you!

