#sipnytt   #viablecities

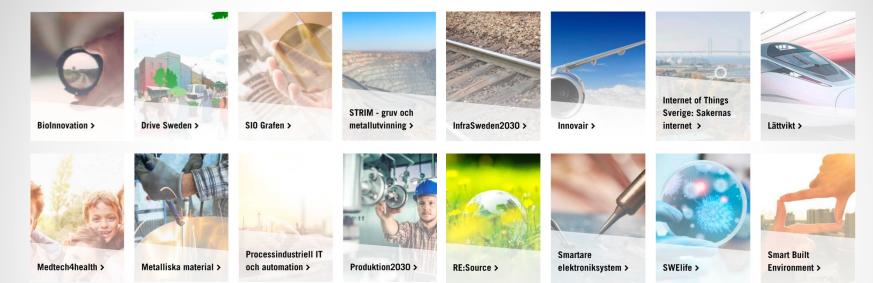# Viable Cities – Mission Carbon-neutral Cities 2030

Viable Cities – A Strategic Innovation Programme for Smart Sustainable Cities

Charlie Gullström, Design- and Research Strategist, Viable Cities

ViableCities™
Smart, sustainable and attractive.

BioInnovation >

Drive Sweden >

SIO Grafen >

STRIM - gruv och metallutvinning >

InfraSweden2030 >

Innovair >

Internet of Things Sverige: Sakernas internet >

Lättvikt >

Medtech4health >

Metalliska material >

Processindustriell IT och automation >

Produktion2030 >

RE:Source >

Smartare elektroniksystem >

SWElife >

Smart Built Environment >

Viable Cities >

Viable Cities is one of 17 **strategic innovation programmes** funded by Sweden's Innovation Agency Vinnova; the Swedish Energy Agency and Formas - the Swedish Research Council for Sustainable Development

The aim is to strengthen Swedish competitiveness by developing sustainable solutions for global challenges
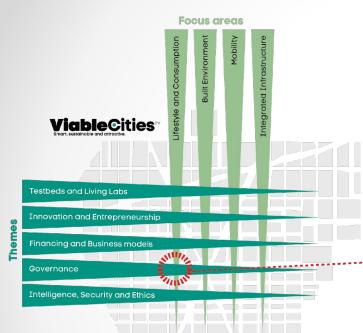
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Our mission: Carbon-neutral Cities 2030

Our vision: Sweden will inspire and take a leading role in the energy- and climate transition by developing smart and sustainable cities

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Focus areas

- Lifestyle and Consumption
- Built Environment
- Mobility
- Integrated Infrastructure

Themes

- Testbeds and Living Labs
- Innovation and Entrepreneurship
- Financing and Business models
- Governance
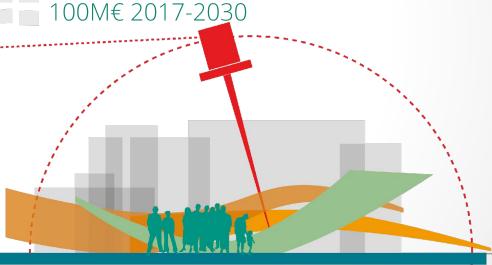- Intelligence, Security and Ethics

A Swedish strategic innovation programme involving academia, industry, public sector and civil society.

A people-centered holistic approach to sustainable urban development with digitalisation as an enabler.

100M€ 2017-2030

A strong consortium

Viable Cities: a cross-sectorial, transdisciplinary and multi-stakeholder approach

Government/Public

Universities/Research Institutes

Industry

Civil society

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KTH – Royal Institute of Technology	Anthesis Group	Chalmers Tekniska Högskola	E.ON	ElectriCITY Stockholm	Energy agencies of Sweden	Envac	Ericsson
Evothings Labs	Fortum Sweden	City of Gothenburg	Gothenburg region's municipal association	University of Gothenburg School of Business, Economics and Law	IBM Sweden	Intel	IVL Swedish Environmental Research Institute
Johanneberg Science Park	K2	Lund municipality	Lund University	City of Malmö	Miljöstrategi ME	NCC	NetPort Science Park
North Sweden Cleantech	Region Skåne	RISE Research Institutes of Sweden	Scania CV	Siemens	Skanska	Marketing Technology Center	Stockholm Exergi
			City of Stockholm	SWWA - Swedish Water & Wastewater Association	Sweco	Association of Swedish Engineering Industries	Telia Company
			Trivector	Swedish Transport Administration	Umeå municipality	University of Umeå	VTI
			Växjö municipality	WSP	WWF	Xeric	Uppsala municipality

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Members

Activity based modelling

Energy efficient care

Digitally operated urban agriculture

Urban planning for energy efficient cities

Threat modelling and attack simulation

Sustainable urban lifestyles

Climate challenge Uppsala

Charge, Store, Link

MERiT

Mo-Bo

Efficient use of building spaces and energy

SAMIR

Sensors for air quality

R:energi

Urban ICT Arena quadruple helix

Smart och klimatmedveten matbutik

Smart village

Small scale energy supply

Value creation through open data

Sharing Cities Sweden

A NATIONAL PROGRAM FOR THE SHARING ECONOMY IN CITIES

3De

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Urban Digg Infra

Kick off 21 March

City as a Platform

Kick off 22 March

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Med stöd från
VINNOVA
Sveriges innovationsmyndighet
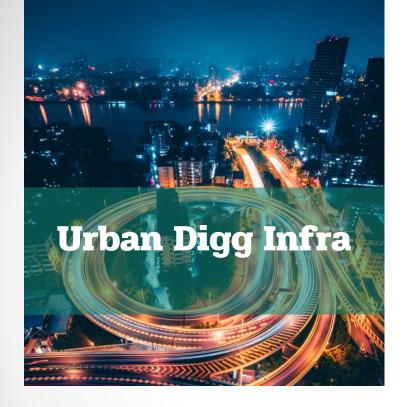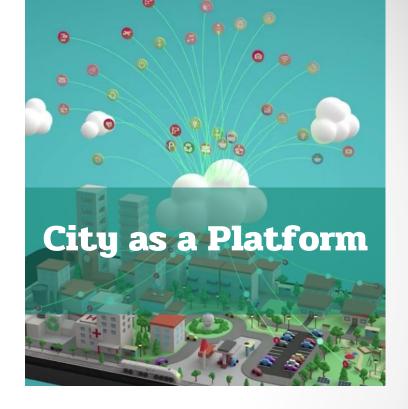Energimyndigheten
FORMAS
Strategiska innovations-program

Sharing Cities Sweden

A NATIONAL PROGRAM FOR THE SHARING ECONOMY IN CITIES

Sharing Cities Sweden: Testbeds on the sharing economy in four cities

Stockholm

Göteborg

Malmö

Umeå

Mission

- Visionary – yet with clear goals
    - **WHAT will be achieved?**
    - **WHEN will this happen?**
- Break boundaries and mobilise actors across all sectors and disciplines
- Result in transformative innovation on systemic level

Mission

Carbon-neutral cities 2030

Accelerating innovation efforts of Swedish cities

Call for proposals building a platform for mission
Carbon Neutral Cities 2030

Creating a good life for all within planetary boundaries.

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A mission-oriented French-Swedish innovation partnership?

- Possibilities for collaboration regarding **Mission Carbon-neutral Cities 2030**?

- Targeted research and innovation efforts in line with this mission?
  - Calls for proposals FR_SE
  - Sister Cities programme

FR_SE
INNOVATION
PARTNERSHIP

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Merci!

www.viablecities.com

Charlie Gullström

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Sharing Cities Sweden

A national programme for sharing economy in cities

The sharing economy offers innovative solutions for sharing, renting or replacing under-utilized assets, often using digital platforms to inform about supply and demand.

Sharing Cities Sweden: Testbeds on the sharing economy in four cities

Stockholm

Göteborg

Malmö

Umeå

Sharing Cities Stockholm

Project leader:
Charlie Gullström, KTH

Testbed Coordinator:
Selene Samuelsson,
ElectriCITY

- An interactive neighbourhood platform in the testbed Hammarby Sjöstad, to visualize sensor data and shared resources in a digital twin

- Explore how sharing and digitalisation can:
  - Strengthen social and spatial connectedness between neighbours, in real and virtual space (health and wellbeing, inclusion)
  - Support local actors in formulating and reaching a local climate goal
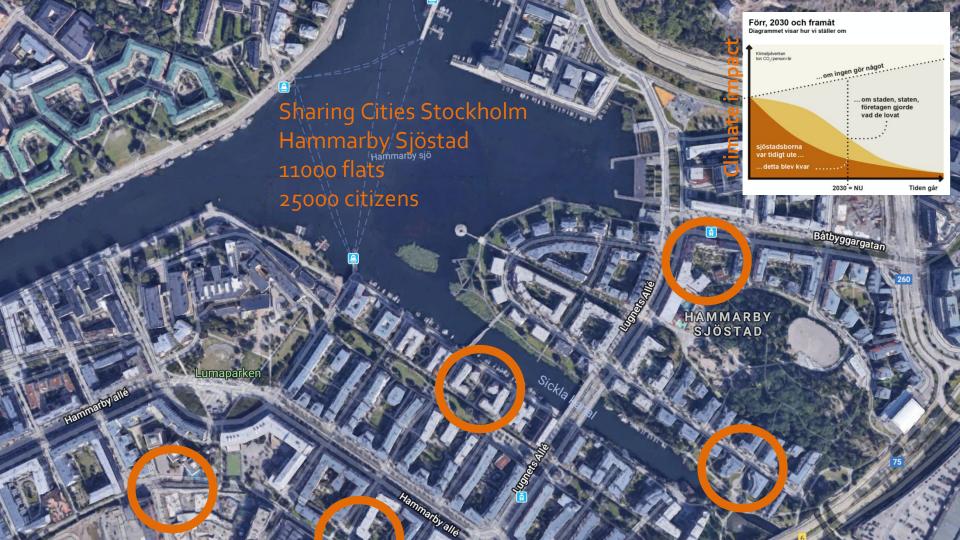 - Accelerate climate transition

Sharing Cities Stockholm
Hammarby Sjöstad
11000 flats
25000 citizens

Climate impact

Förr, 2030 och framåt
Diagrammet visar hur vi ställer om

Klimatpåverkan
ton CO₂/person/år

...om ingen gör något

...om staden, staten,
företagen gjorde
vad de lovat

sjöstadsborna
var tidigt ute ...

... detta blev kvar

2030 = NU   Tiden går

Our vision is a neighbourhood platform that simplifies **climate-smart** decisions in everyday life

- Loan and share… things, skills, spaces
- Real-time data/local information
- A new virtual meeting place in the block – a digital twin

Is a car available, now?

Where can we meet, now?

Where can I find that stuff? Who can help me now?

Where can I pick it up?

How do we use common resources in our block?

Tack!

www.sharingcities.se
charlieg@kth.se