Connecting the future to our cities.

Viable Cities – a Swedish Innovation Programme for smart sustainable cities

Olga Kordas

Program Director, KTH/UrbanT
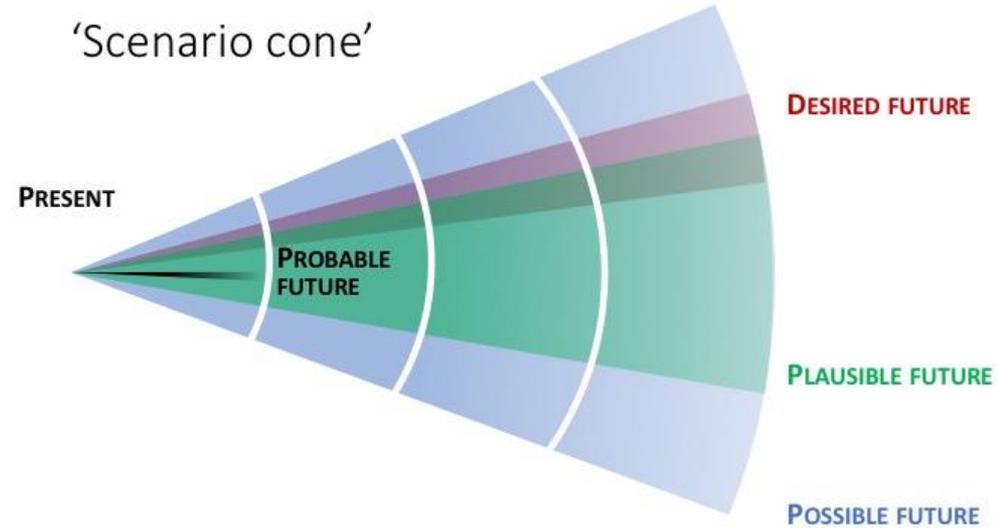
Viable Cities 2050
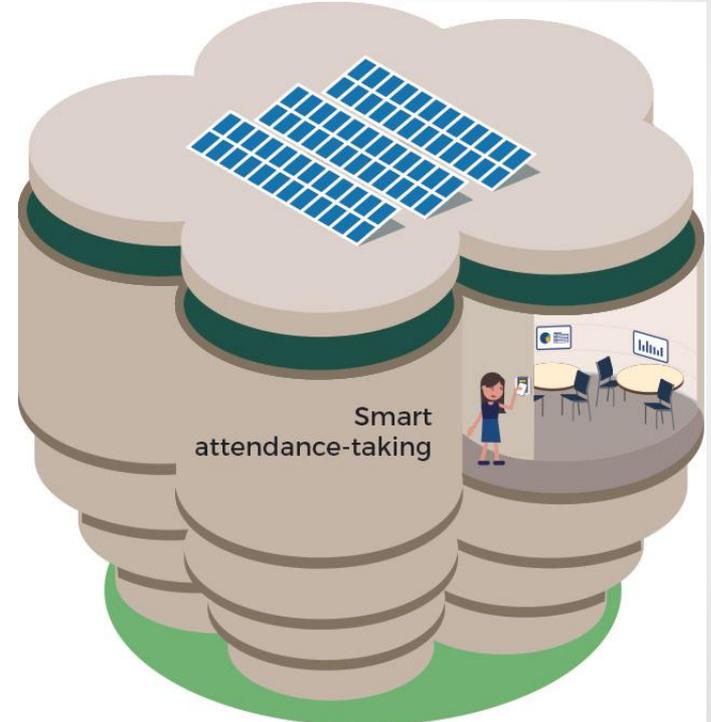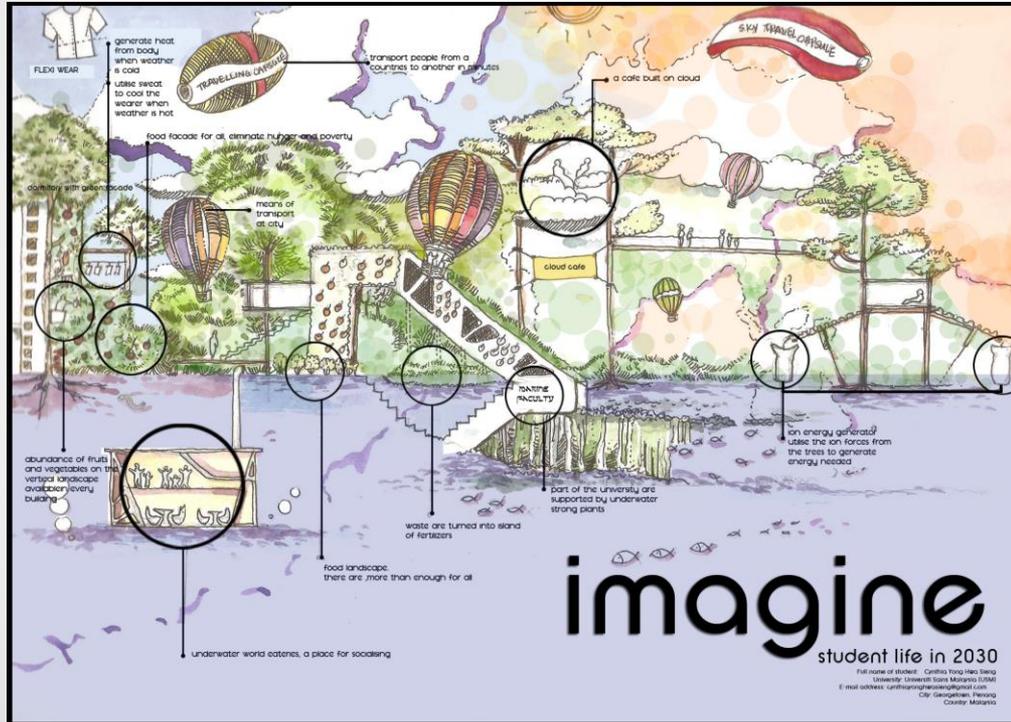
Reglab's conference, Umeå, 14 March 2018

ViableCities™
Smart, sustainable and attractive.

Viable Cities 2050

- Desirability

- Plausibility/feasibility

- Viability (long-term sustainability)

'Scenario cone'

PRESENT

PROBABLE FUTURE

DESIRED FUTURE

PLAUSIBLE FUTURE

POSSIBLE FUTURE

//Adapted from U. Pillkahn, Using Trends and Scenarios as Tools for Strategy Development, Publicis Corporate Publishing, Erlangen, Germany, 2008.

Desirable cities by students from different countries

http://www.hey.ntu.edu.sg

Boston Globe, December 24, 1900
by Thomas F. Anderson

Three main challenges:

- increase in population
- development of commerce
- improvement of transportation facilities

BOSTON AT THE END OF THE 20TH CENTURY.

A Glimpse Into the Distant Future, and What It Reveals to the Local Prophets.

Marvelous Changes That Are Destined to Take Place in the Days to Come—Population of the Greater City May be 8,000,000, and Our Architecture, Transportation Service, Business Methods and General Mode of Living Will be Radically Transformed—Our Commerce Will Have Expanded Enormously, and Ships 1000 Feet Long Will Carry Our People and Products to Europe in Four or Five Days.

EVERY BOSTON HOUSE WILL HAVE ITS OWN ELECTRO-PNEUMATIC SWITCHBOARD.

LETTERS LUNCHES DEPT. STORE
THE GLOBE LAUNDRY

WIRELESS TELEGRAPH CONNECTION WITH ALL PARTS OF THE WORLD

HOT AIR COLD AIR
COLD WATER
EAST WIND

TELEPHONIC CONNECTION WITH
CHURCH THEATRE
OFFICE

EVERYONE WILL OWN AN AUTO-SOMETHING-OR-OTHER.

"WALKING" WILL BE EASY IN THE YEAR 2000.

Boston Globe, December 24, 1900
on weather

"*He (local forecast official) really did make a serious effort to help The Globe out in this important matter, but after spending a whole week immersed in a mass of therometric and barometric computations, celestial charts, hydrographic reports and humorous weather stories from the back files of the Boston papers, Sergt Smith was obliged to give it up as a bad job and go off for a two-days' vacation.*"

Term '*viable city*'

- Inspired by metaphors from biology and medicine:

Viability — capability for living, growing and developing, especially under particular environmental conditions

Strong consortium

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

Public Authorities

Universities/Research Institutes

Industry in core SSC-sectors

Civil society

ViableCities™
Smart, sustainable and attractive.

Viable city 2050

The attractive and liveable city

The climate neutral city

The climate adapted city

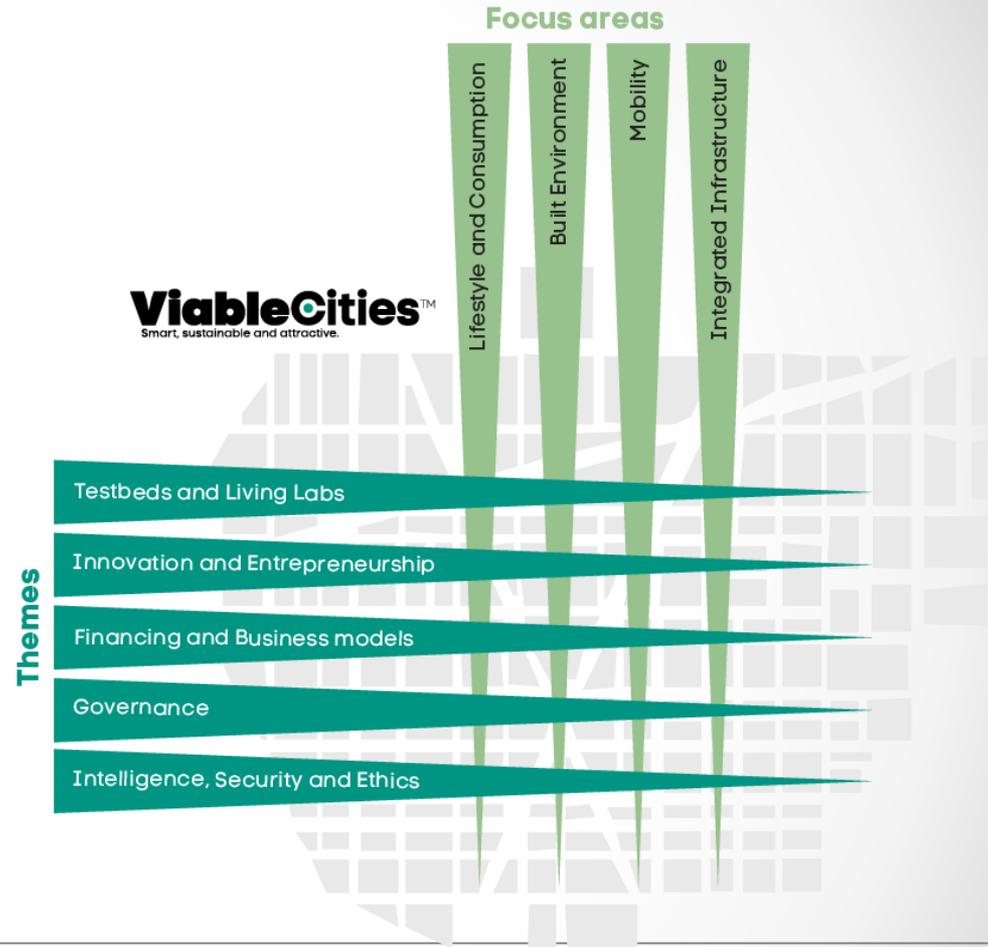The responsive city

The integrative, collaborative city

The resource saving city

The eco-friendly city

The resilient city

The responsible city

Focus areas & cross-cutting themes

Focus areas

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

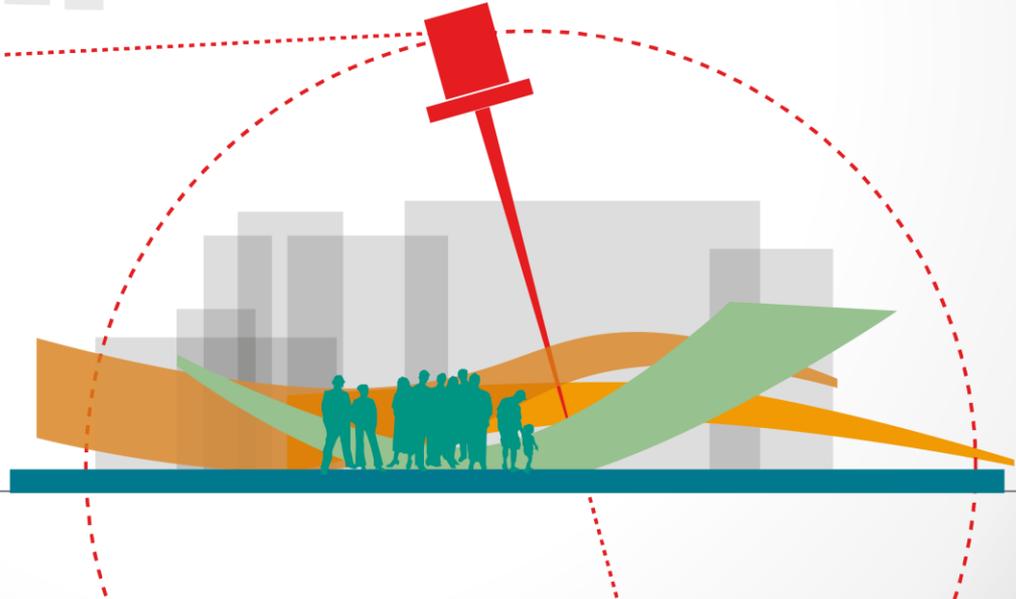**ViableCities™**
Smart, sustainable and attractive.

Themes

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

ViableCities™
Smart, sustainable and attractive.

People-centered holistic approach to sustainable urban development with ICT as an enabler
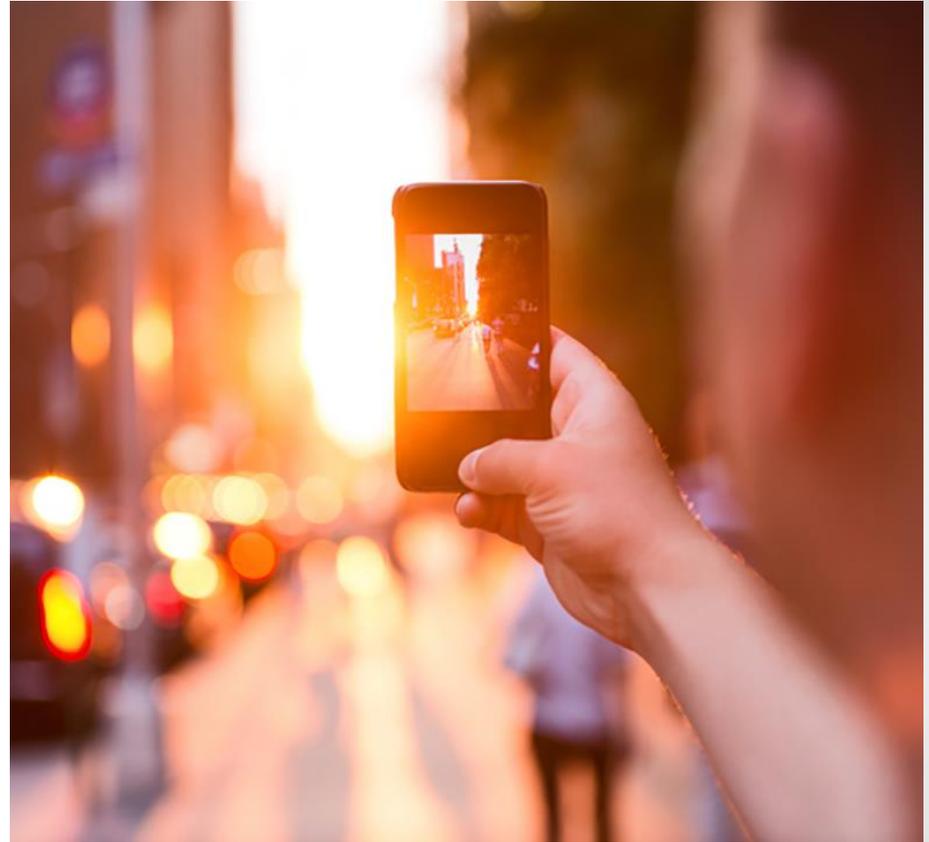
Research, Innovation, Demonstration projects

- Meet energy and climate challenges in cities

- Use digitalisation and citizens' engagement

- Are cross-sectorial and transdisciplinary

- Are based on citizens' needs and deliver benefits for citizens

- Facilitate gender equality and diversity

- Enable scalability, replicability and interoperability

ViableCities™
Smart, sustainable and attractive.

Activities

Knowledge and Innovation Actions	Research, development & innovation
	Demonstration

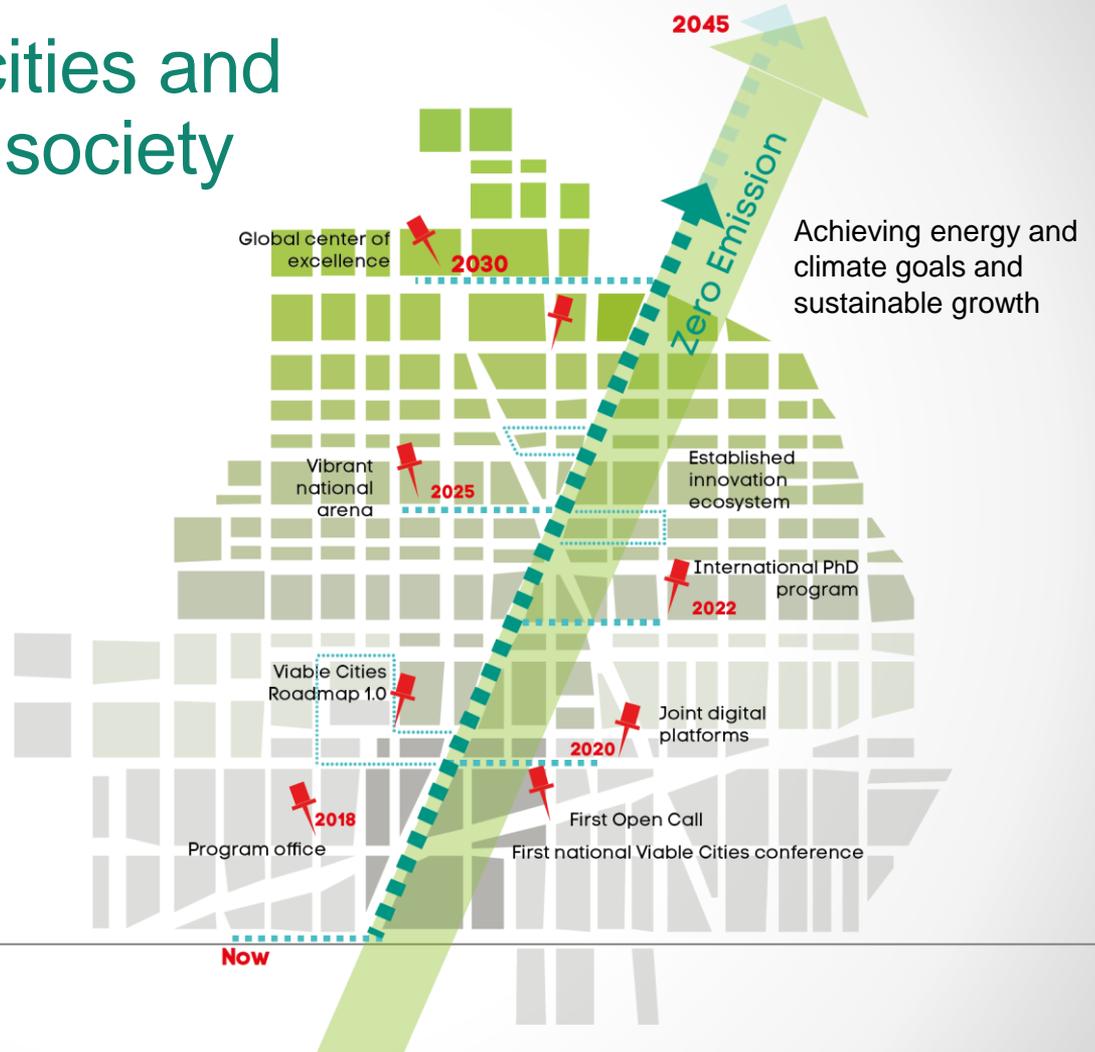| Support and Coordination Activities	Roadmap & critical analysis
	Knowledge sharing & capacity building
	Policy, regulation & standards
	Entrepreneurship & growth
	Internationalisation

ViableCities™
Smart, sustainable and attractive.

Pathway to viable cities and the 'zero-emission' society

2045

Zero Emission

Achieving energy and climate goals and sustainable growth

Global center of excellence — **2030**

Vibrant national arena — **2025**

Established innovation ecosystem

International PhD program — **2022**

Viable Cities Roadmap 1.0

Joint digital platforms — **2020**

2018

Program office

First Open Call
First national Viable Cities conference

Now

ViableCities™
Smart, sustainable and attractive.

Thank you!