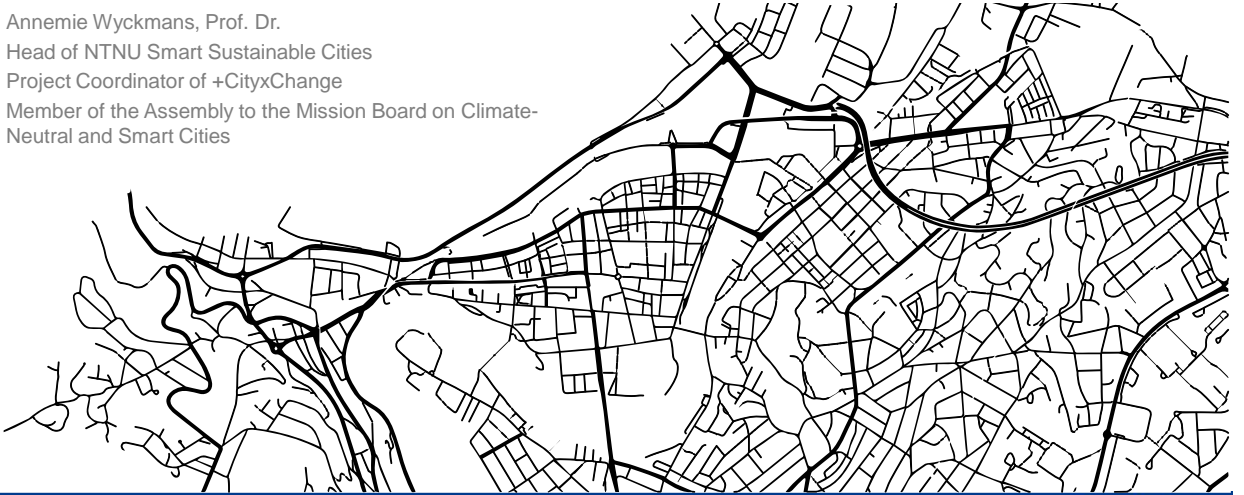


Transforming Places, Sustainable Communities – Taking a Holistic Approach to Climate Change

Annemie Wyckmans, Prof. Dr.
Head of NTNU Smart Sustainable Cities
Project Coordinator of +CityxChange
Member of the Assembly to the Mission Board on Climate-
Neutral and Smart Cities

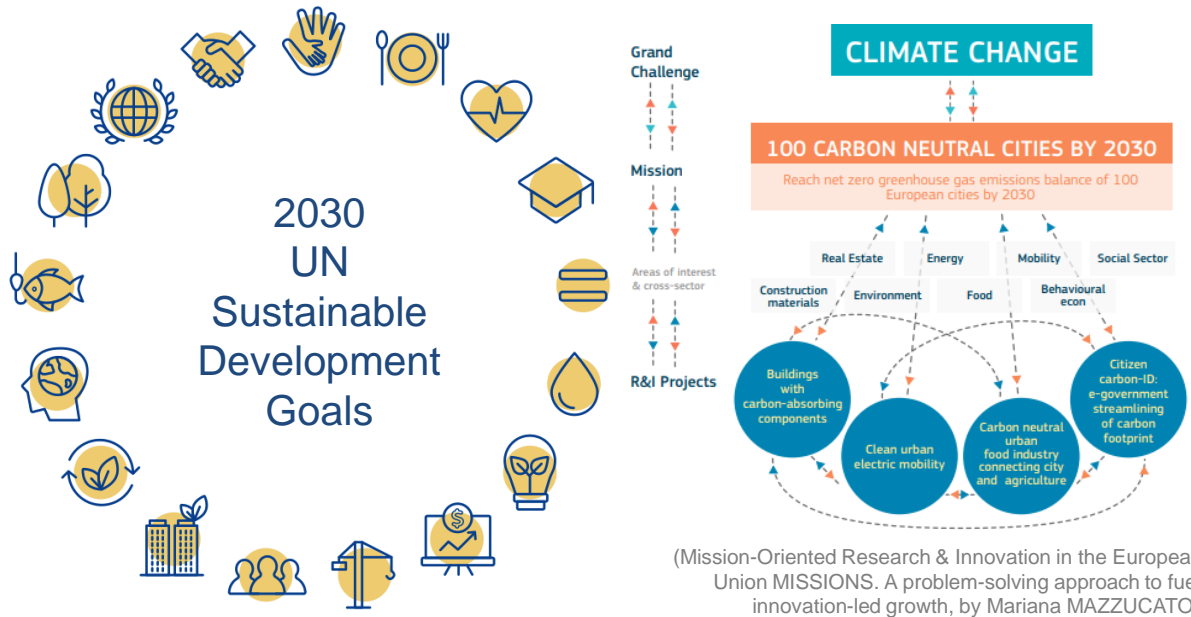


Presented by Annemie Wyckmans, NTNU Smart Sustainable Cities, 21 October 2019  NTNU

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Presented by Annemie Wyckmans, NTNU Smart Sustainable Cities, 21 October 2019 NTNU

3

We know the barriers – do we walk the talk?

EIP-SCC **NTNU**

Marketplace of the European Innovation Partnership on Smart Cities and Communities Action Cluster Integrated Planning/Policy and Regulation

Smart City Guidance Package
A Roadmap for Integrated Planning and Implementation of Smart City projects
J. Borsboom-van Beurden, J. Kallalos, B. Gindroz, S. Costa, J. Riegler

European Commission

Why may replication (not) be happening
Recommendations on EU R&I and regulatory policies

Smart Cities

EU Smart Cities Information System
EMPOWERING SMART SOLUTIONS FOR BETTER CITIES www.europa.eu/energy2030

Nasjonalt veikart for smarte og bærekraftige byer og lokalsamfunn

En guide for kommuner og fylkeskommuner utarbeidet av Design og arkitektur Norge (DOGA), Smartbyene og Nordic Edge.

4



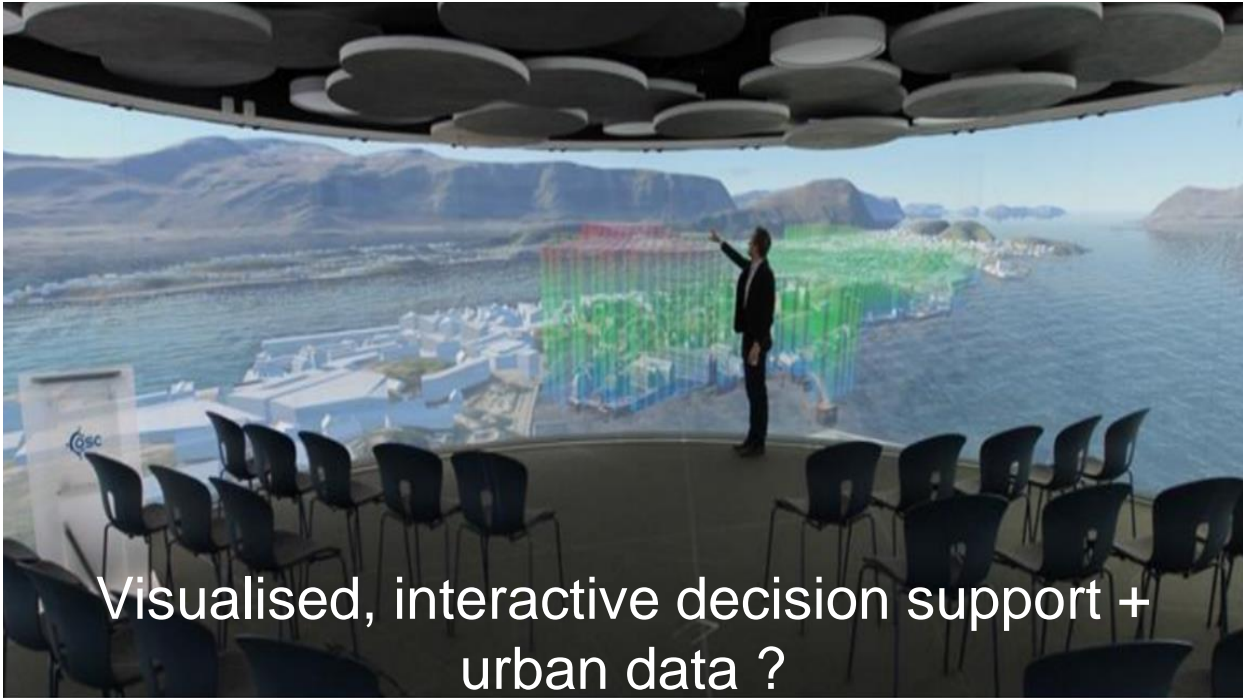
Governance structures for co-creation of people-centered solutions ?

5



Appreciation of (non)economic value for distinct stakeholder groups ?

6



Visualised, interactive decision support + urban data ?

7



From testbeds to scaling up & replication ?

8



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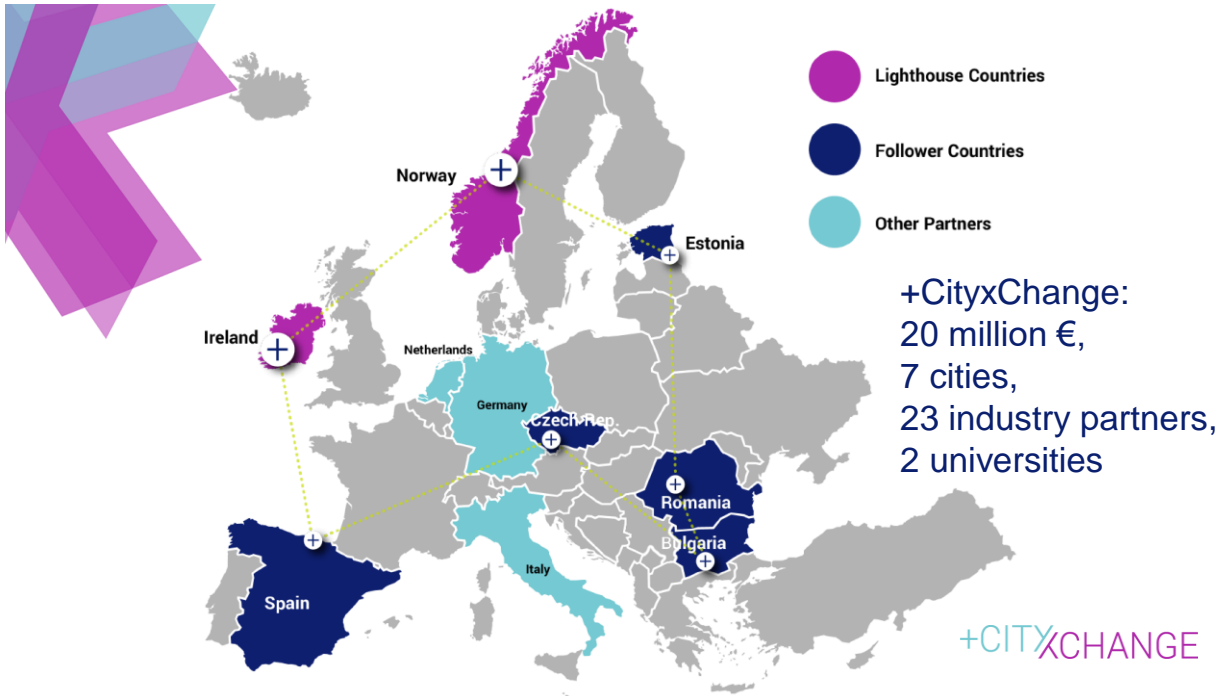
+CITYXCHANGE

Limerick · Trondheim · Alba Iulia · Písek · Sestao · Smolyan · Võru

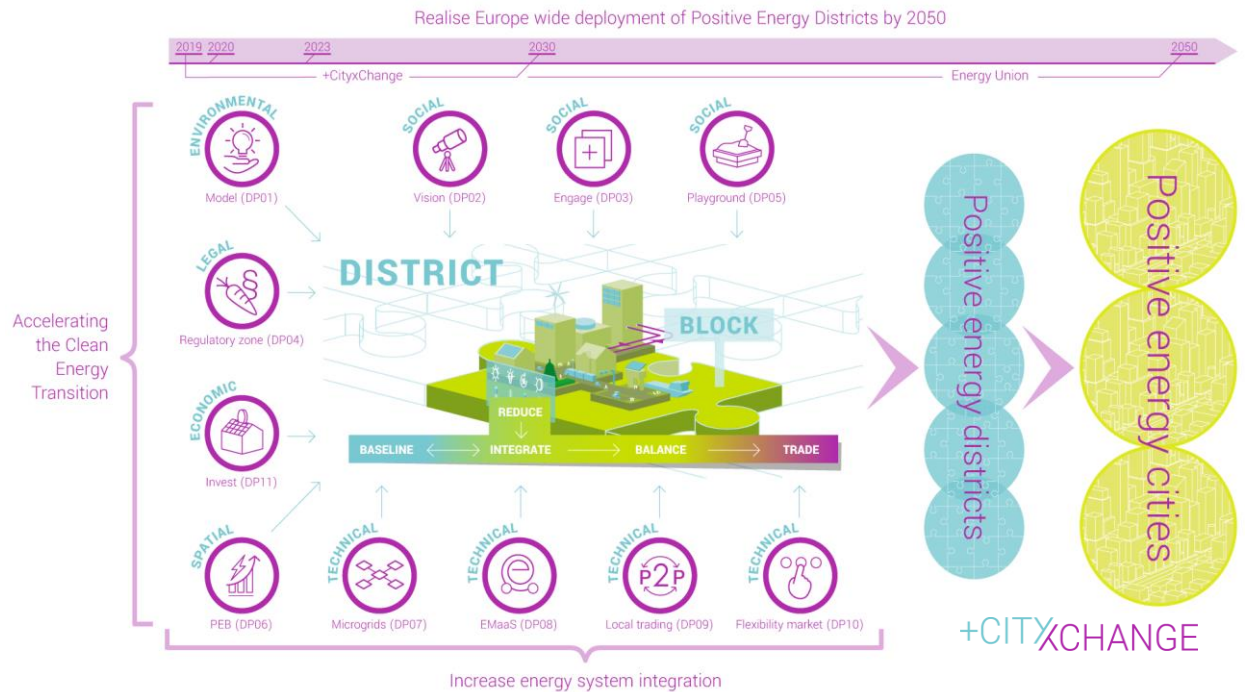


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824260.

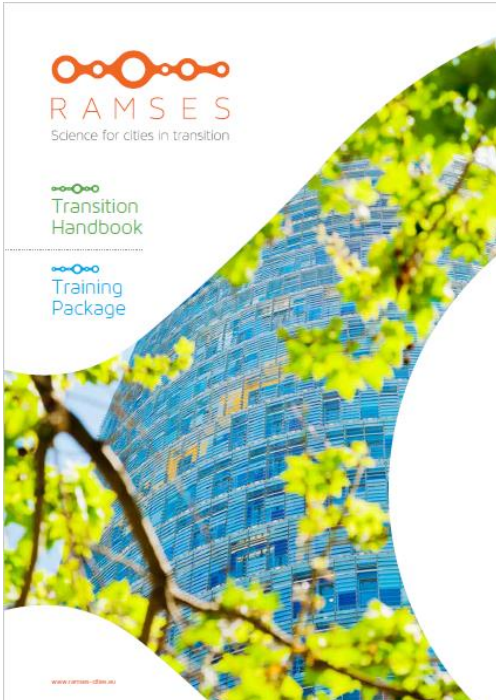
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 **URBAN
EU-CHINA**
European Commission
Sustainable Urbanisation

Strategic Research &
Innovation Agenda for
EU-China Cooperation on
Sustainable Urbanisation



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 **URBAN
EU-CHINA**
European Commission
Sustainable Urbanisation



Cooperation Plans
and Guidelines

Matching Cities
- version 2

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Photo by Liwei Liu

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TRD3.0 University-city cooperation on smart sustainable cities

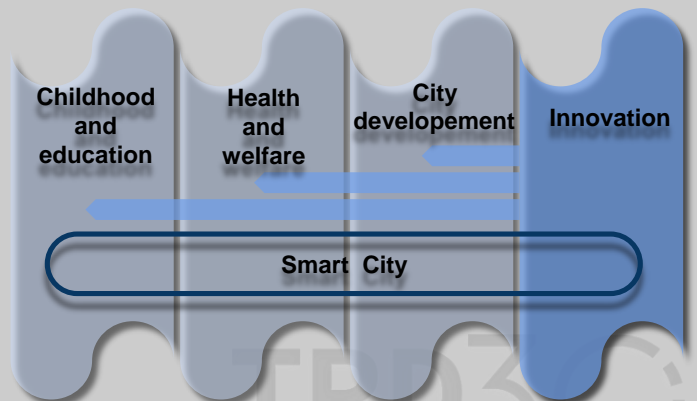
Tone Merethe Aasen, Project manager
TRD3.0 SmartCity, Trondheim Municipality / NTNU

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Crossing silos – five thematic innovation areas

«Silofication» and lack of collaboration and coordination between disciplines and sectors are major obstacles in sustainable development.

All parties involved in TRD 3.0 are expected to cross silo boundaries and invest in collaborative actions. The areas **Smart City** and **Innovation** have a particular responsibility to develop frameworks that will enhance and facilitate «silo-bridging».



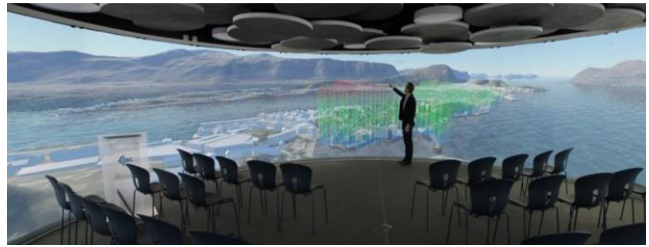
18

Norway project - building capacity

UNECE has afforded the University City 3.0 in Trondheim status as a **Geneva UN Centre of Excellence on SDG City Transitions**.

The Centre will manage the SDG City Transition Framework on behalf of the UN and support the national project in Norway

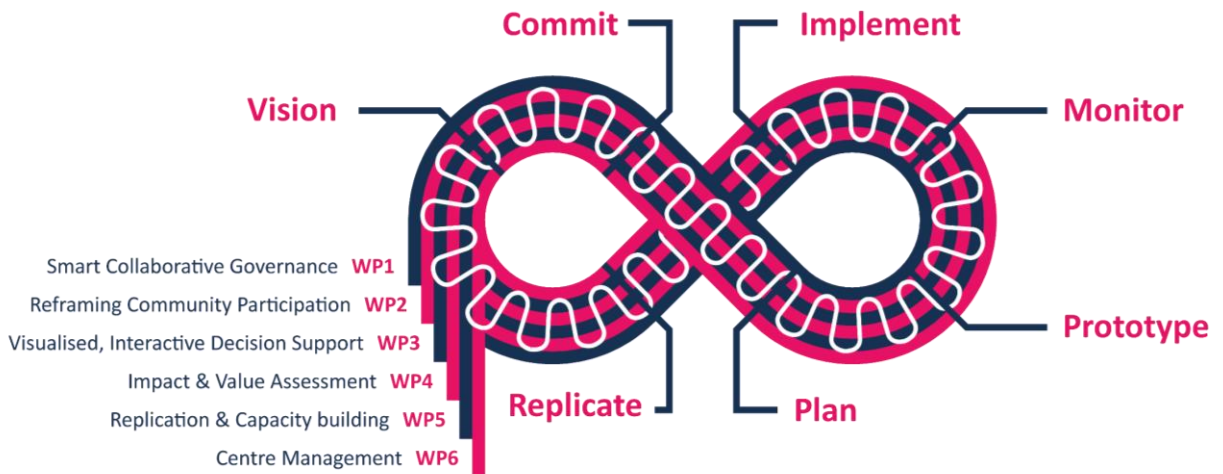
The City of Ålesund will host the UN Simulation Lab for Smart Sustainable Cities, offering cities world wide state of the art technology for visualisation and simulation of U4SSC data



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ROADMAP METHODOLOGY

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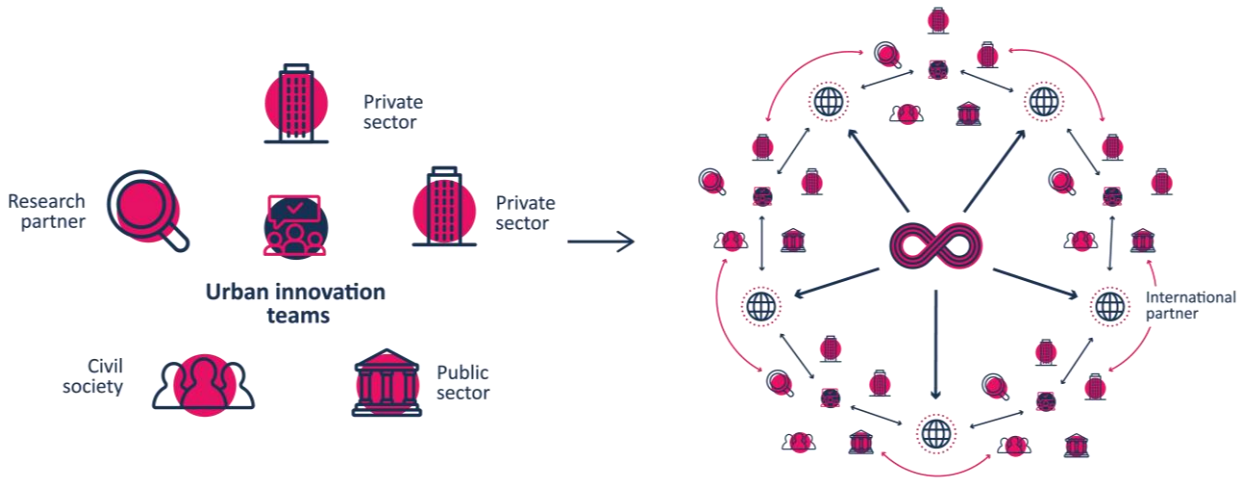


Contact : Annemie.wyckmans@ntnu.no

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CO-CREATION: PRACTICE + RESEARCH + CIVIL SOCIETY

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