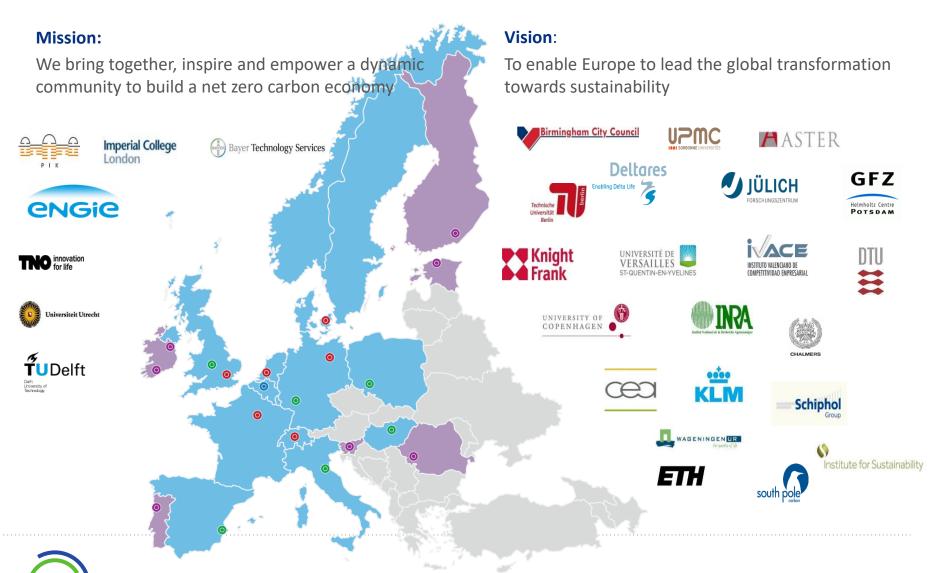




Smart Cities in the Nordic Region

### World's largest Public Private Partnership mobilising climate action...



Climate-KIC

### Climate-KIC Nordic Partners

Total: 26 Core: 6



- Aalto University
- Aarhus University (pending)
- Chalmers
- Chalmers Ventures (SE)
- DTU
- Helsinki University (pending)
- Johanneberg Science Park (SE)
- Lund University
- NTNU
- Scion DTU (Science & Tech Park)
- University of Copenhagen

#### **Cities and Regions**

- Aarhus
- Copenhagen
- Göteborg
- Helsinki
- Helsinki Uusima Region
- Malmö
- Stavanger (pending)
- Trondheim (pending)
- Vejle



- COWI DK
- COWLSE
- E.ON
- NTU
- Rockwool
- Trivector



#### Climate-KIC and Smart Cities activities

**Smart Sustainable Districts (SSD)** is a consortium of nine European city districts working together to accelerate the expertise and best practice needed to transition cities to zero-carbon living (Climate-KIC's flagship programmes)

- A 'smart sustainable district' has a low carbon mobility, smart grids, energy neutral buildings, efficient water management and accessible, public green space. Focus on "well-being and sustainable lifestyles"
- SSD brings together consortia of policymakers, local municipalities, utilities, private developers, innovation experts, sustainability specialists and citizen groups
- Kalasatama, Helsinki new launch of activities 1. April
- Malmö southeast workgroup meeting end March
- Copenhagen, Energy block Kick-off 23. February



## Smart Cities Accelerator 2016 - 2019







# Why Smart Cities Accelerator?

Build on research in "Cities" in collaboration with Professor Henrik Madsen and the team

Bringing together the concept of "Cities" with the Climate-KIC approach (PPP – bridge/business/innovation)

To involve Universities, cities and companies in the Greater Copenhagen area // across two Nordic countries (Population of 3.8 Mill)

The technical solutions are there. SCA will test, demonstrate and develop the concept with new partners at a larger scale. "Technology and people"

Go for Public funding. EU Interreg (50 % co-financing)

Up-scaling the project





## **Smart Cities Accelerator**

"Smart Cities Accelerator gathers central municipalities and academic institutions in Greater Copenhagen in a close collaboration focusing on energy optimisation away from fossile fuels towards more renewable energy sources. The project integrates development of sustainable solutions and datasets of various energy systems along with insight into behavioral patterns of citizens, legal matters and learning by school children. The aim is to create more sustainable solutions within the local authorities.

11 Public partners // 4 academic institutions, 5 cities: 1 district heating company, 1 energy company

- Sweden: Malmö, Lund, Båstad, Lunds Universitet, Malmö Högskole, Kraftringen
- Denmark: Copenhagen, Høje Taastrup, Høje Taastrup District Heating, University of Copenhagen, DTU

Budget: 6.468.035 Euro

Periode: 1. September 2016 – 31. August 2019





# Structure of the project

Academic institutions: Science, law, behavioural science

5 Cities: Capital, large, smaller – demonstration projects

Action based on demand from the users

- Cities the technical department within the cities
- Companies

#### 11 Themes

- 7 vertical technical themes and 4 horizontal themes:
  - Datainfrastructure in smart cities
  - Legal affairs / "smart law for smart cities"
  - Behavioural patterns of individuals
  - Learning material challenges for school children towards a more sustainable society





















## Nordic Edge Expo, Stavanger, Norway

## 26-28 September 2017

"the largest Smart City event in the Nordics"

- Stavanger is becoming Climate-KIC's third Norwegian partner.
- Climate-KIC Nordic will be actively involved in Nordic Edge Expo 2017.
- 5000 + visitors
- 800 + conference delegates
- 60 + speakers
- 100 + exhibitors









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