

The SMART-SPACE project: beyond connected LED lighting!

Kristof Verhoest, Project Leader SMART-SPACE, City of Ostend

WHY SMART-SPACE ?

NWE : great **challenge** to shift towards **low carbon economy by 2050**



Optimising public lighting: big **potential** to contribute to **energy efficiency** and **carbon reduction** in significant way

Step 1

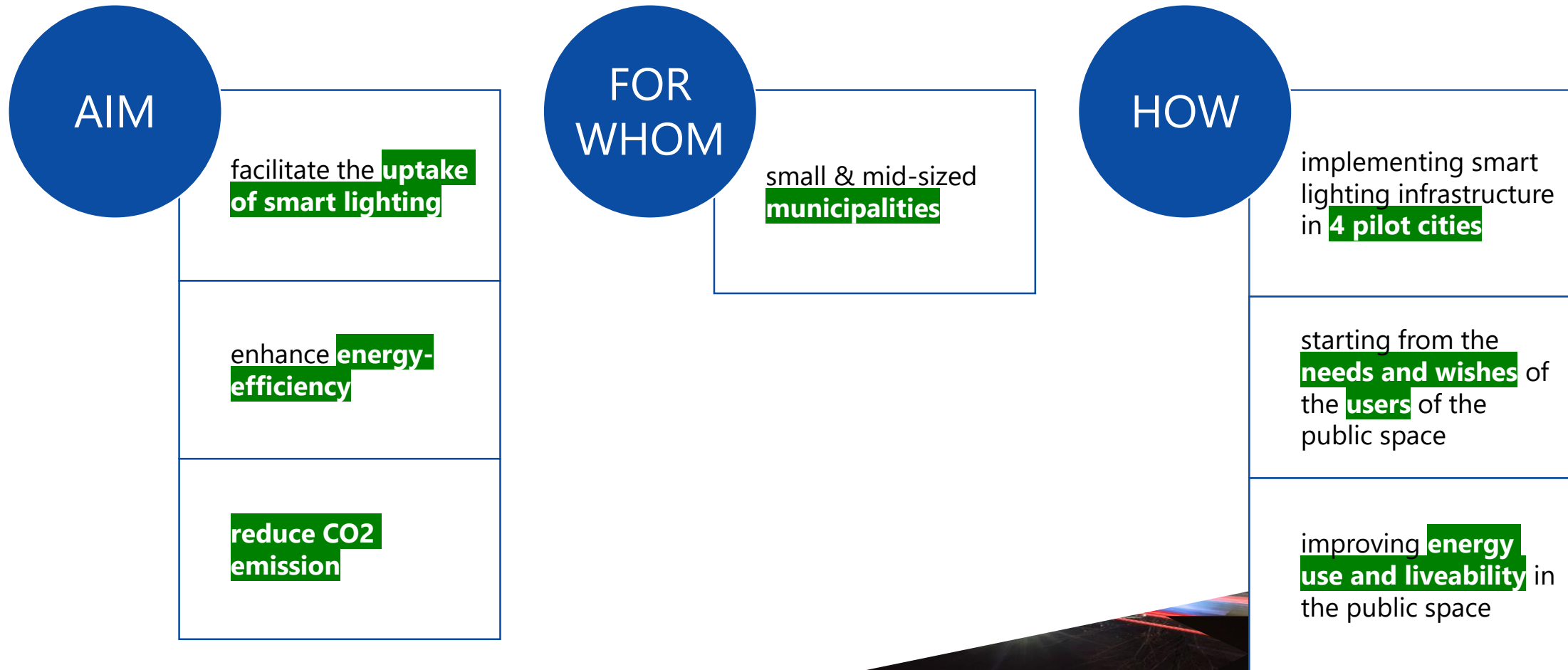
ledification ongoing
save **>50% on actual energy consumption**
(depending on lamp types used)

Step 2

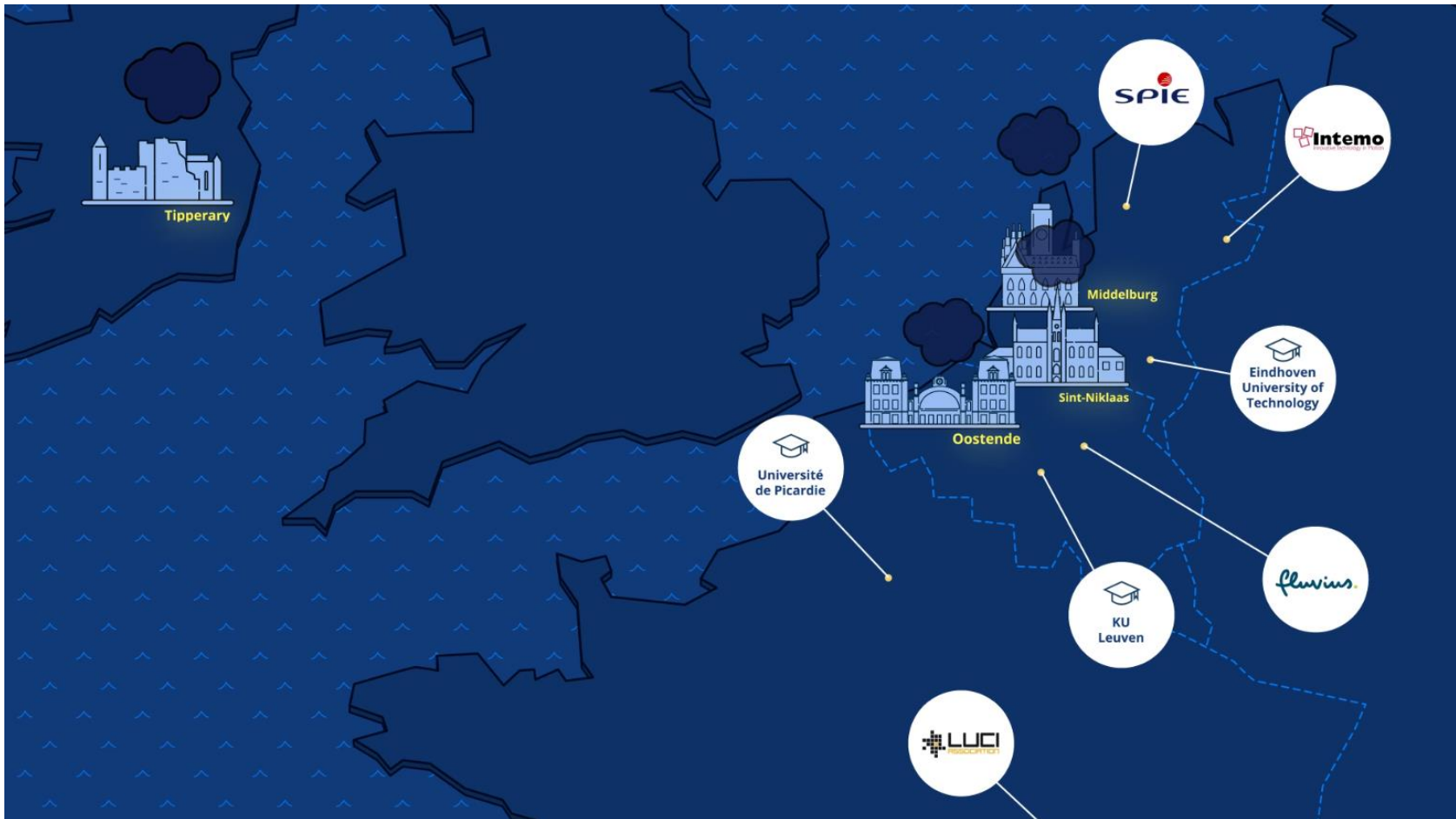
smart public lighting already available
but **lack of large-scale roll-out!**



About SMART-SPACE



Project partners



4 pilot cities: a variety of different public spaces



Historical centre

Central squares

Shopping streets and commercial areas

Entertainment areas

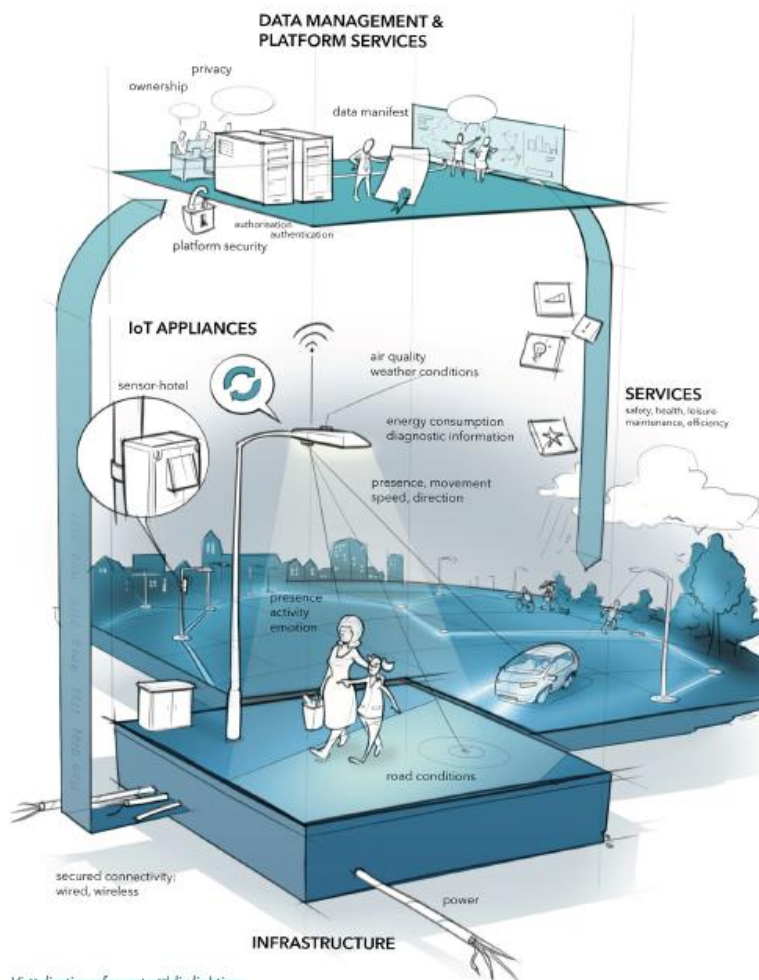
Collector roads

Rural villages

Station square

New urban development

What is "smart" lighting?



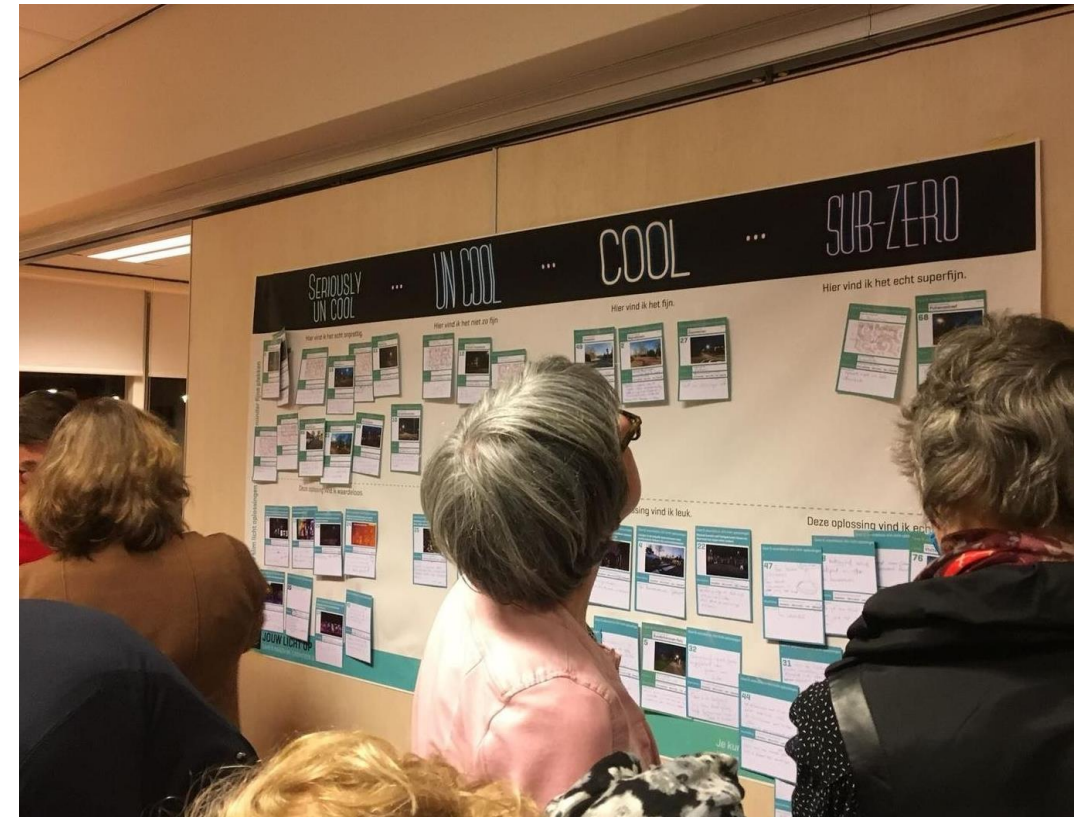
Data management

Controls
(sensors & software)

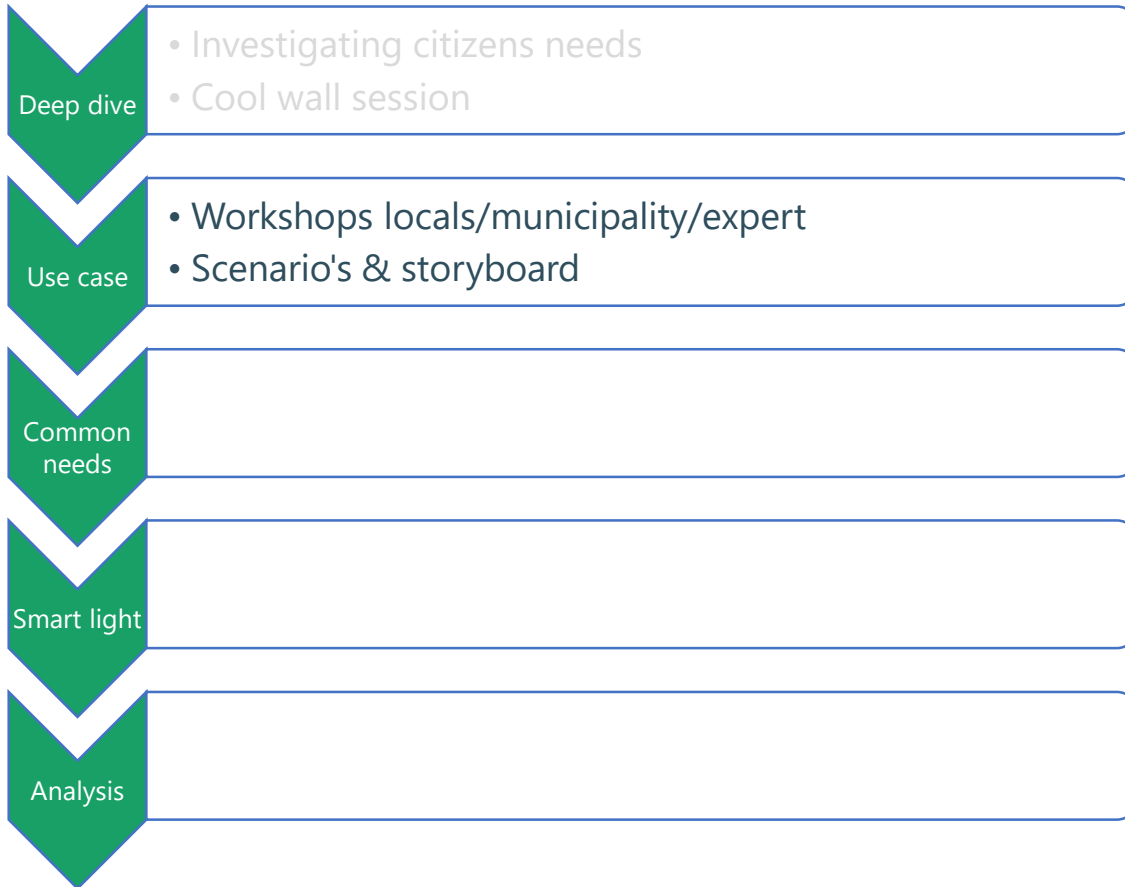
Lighting
*(public lighting including
special elements)*

Infrastructure
(energy & connectivity)

SMART-SPACE approach

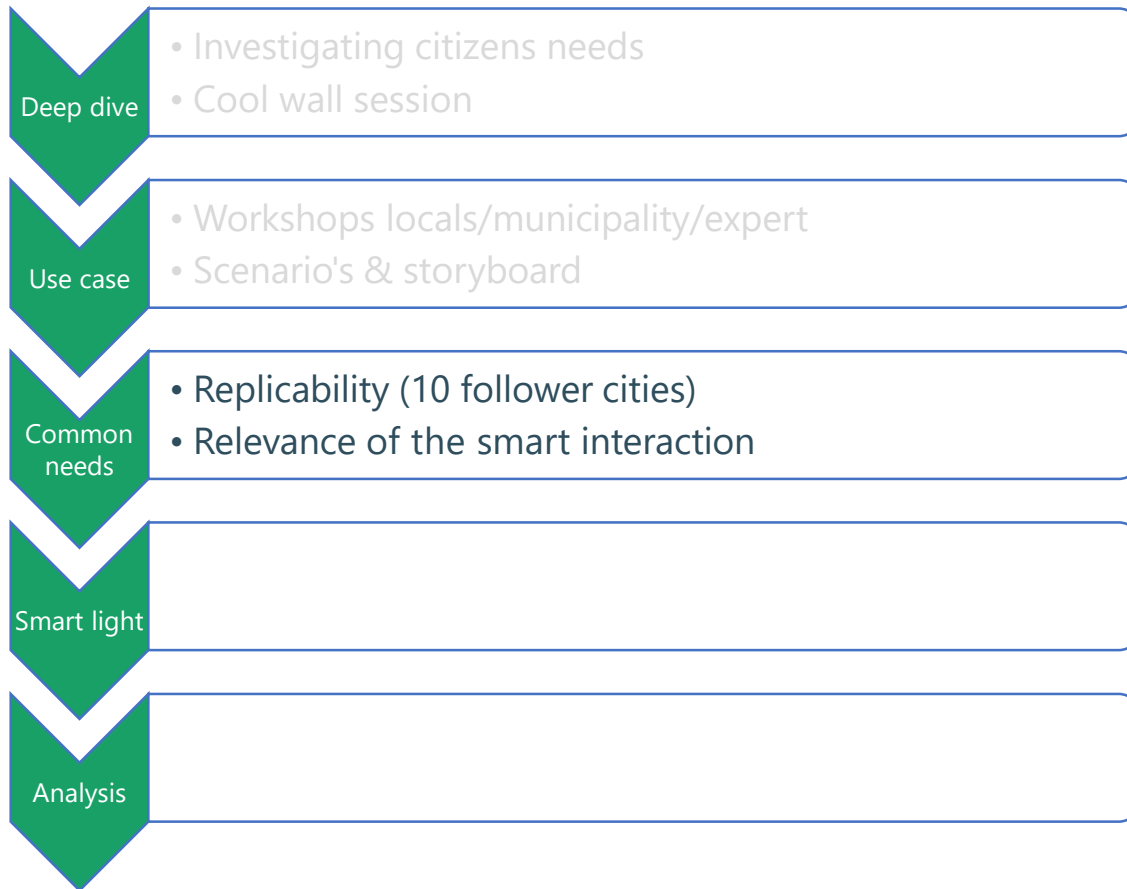


SMART-SPACE approach

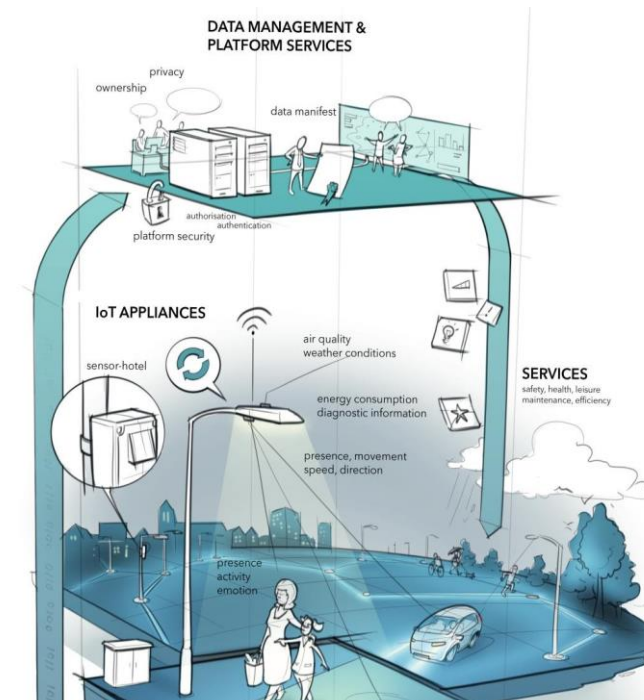
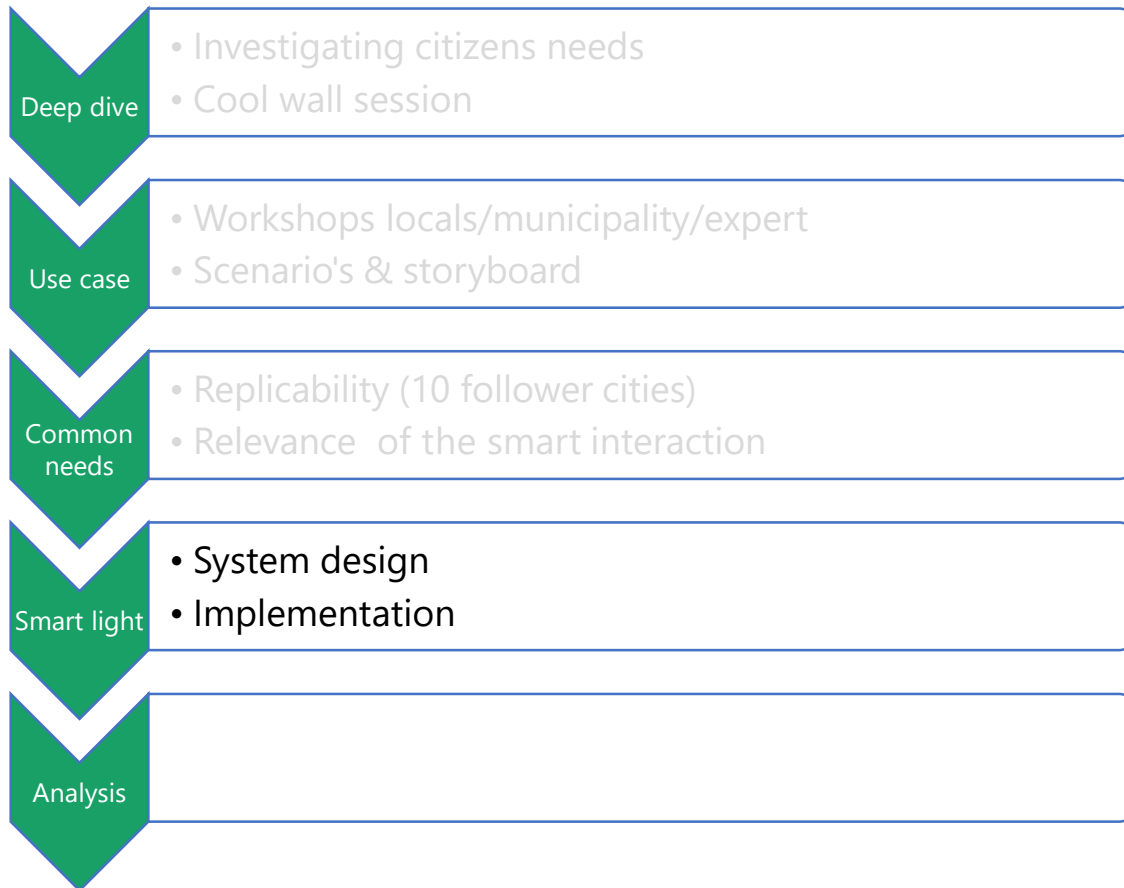


More information:
Webinar 2
**The value of smart public lighting
for improving the life of citizens**
29th April 2021

SMART-SPACE approach

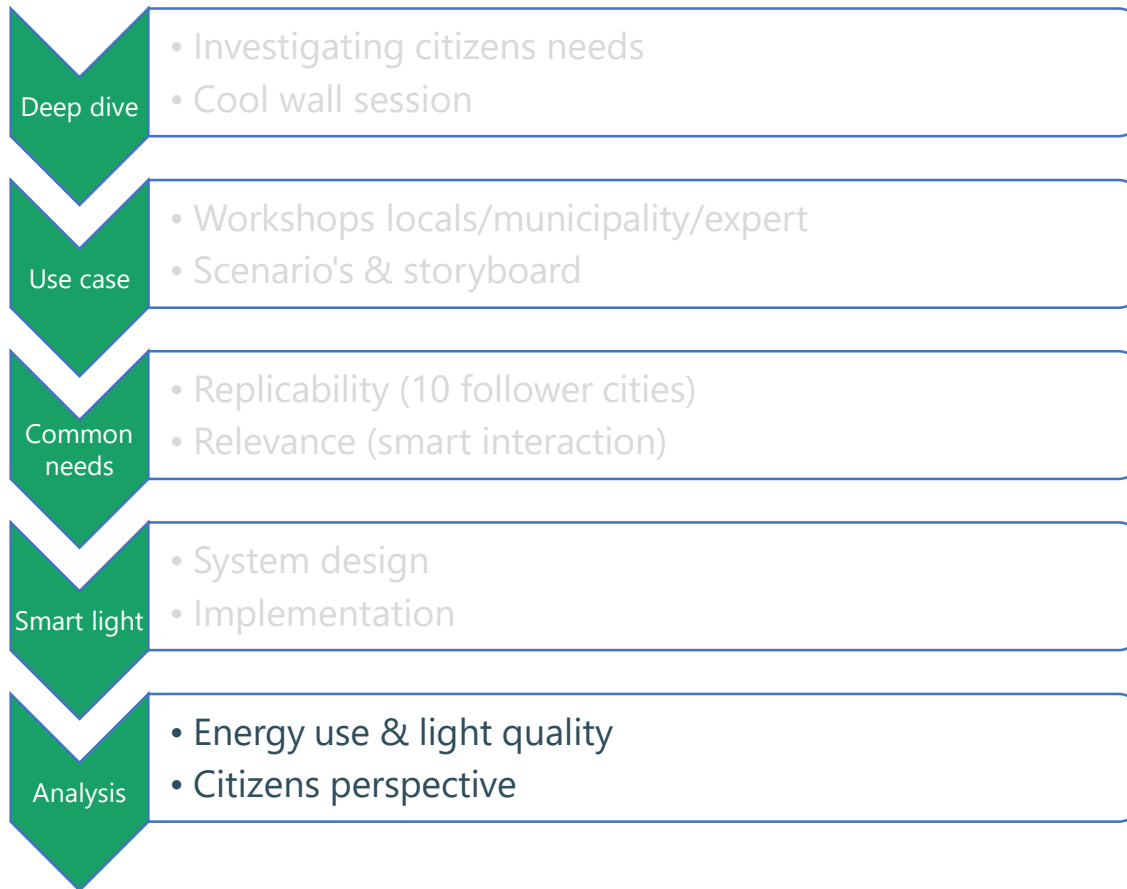


SMART-SPACE approach



More information:
Webinar 3
Creating a smart light system: Some lessons learned from the SMART-SPACE project
3rd June 2021

SMART-SPACE approach



SMART-SPACE facilitates the outroll of smart public lighting!

Demonstration

of adjustable smart light system in **4 pilot cities**

Determination of the **real potential of smart public lighting** on the reduction of energy consumption and CO2 emission

Development of a **transition roadmap and toolbox** to help other municipalities/ grid operators to implement smart public lighting

The redaction of a **white paper on smart public lighting** as an inspiration for decision making on smart public lighting

Stimulating **knowledge exchange and networking** by the creation of a sustainable SMART-SPACE knowledge center

Thank you!

Kristof Verhoest
Project Leader SMART-SPACE
City of Ostend

Kristof.verhoest@oostende.be
+32497/051889

<https://www.nweurope.eu/smart-space>