



05.06.2018

15:00 - 16:00

SEZ - Matthieu Grosjean

DEM - Esra Demir

NCC - Owen Harvey

SER - Zoé Lejeune



## Urban Regeneration Model



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 646511

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# Urban Regeneration Model in the Project REMOURBAN



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# Summary of webinar

- Short presentation of the Smart City EU-project REMOURBAN (Matthieu Grosjean)
- Introduction to the Urban Regeneration Model (Esra Demir)
- Demand side: (IUP) Integrated and sustainable Urban Plan (Owen Harvey)
- Demand side Vs. Supply side: Replication Methodology and the Smart City Technology Packages (Zoé Lejeune)
- Questions & Answers








# REMOURBAN in short


## Project figures:


- Duration: 5 years, (start: 01.01.2015)
- Budget: 23.8 Mio EUR
- 22 Partners from 7 countries

## Goal:

Validate an Urban Regeneration Model implementing energy, mobility and ICT technical, financial and social solutions to build Smart Cities.

 - **Low energy districts targets:** 34% energy and 50% CO2 emissions reductions (retrofitting, monitoring, District Heating/Cooling systems,...)

 - **Sustainable mobility:** EV (Buses, Cars and Bikes), charging infrastructures, logistic solutions, improving multimodality and user-friendliness...

 - **Integrated infrastructures:** Smart Grid Connectivity, city information platforms, optimized traffic flows, collaborative information transfer...

## 3 lighthouse cities:



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Valladolid (ES), Nottingham (UK), Tepebasi/Eskisehir (TK)

## 2 follower cities:



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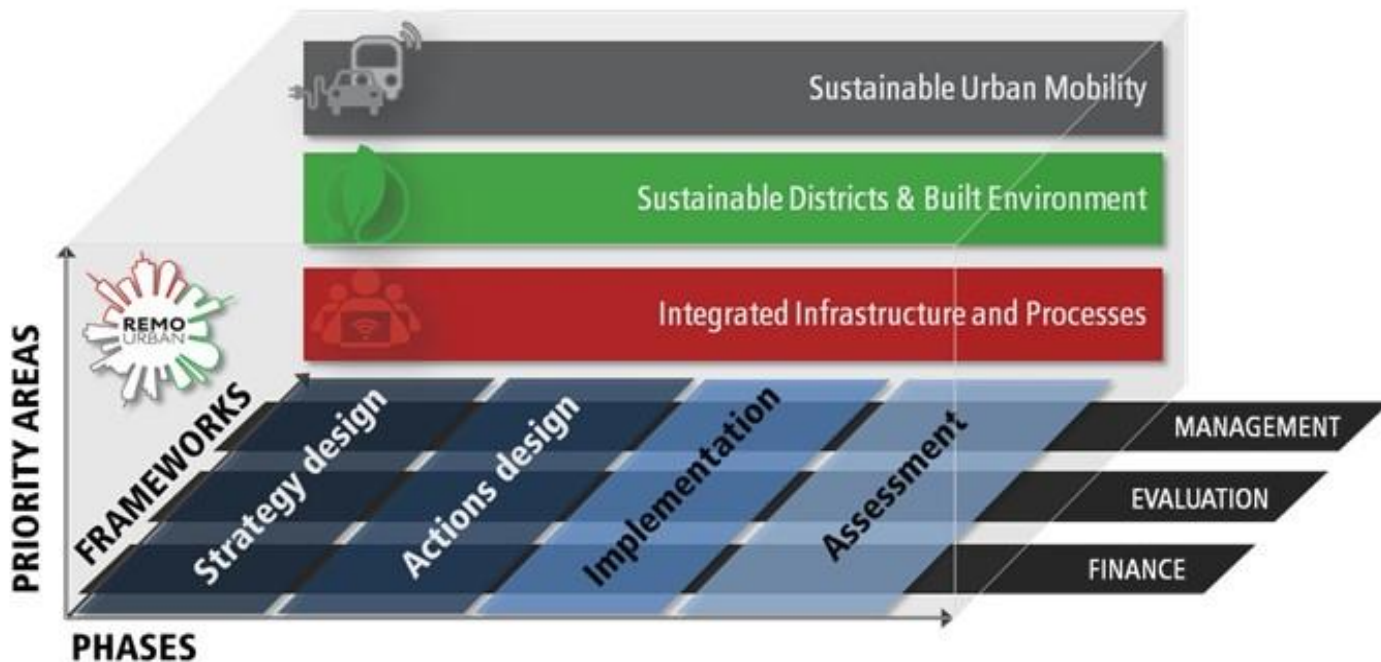
Seraing (BE), Miskolc (HU)





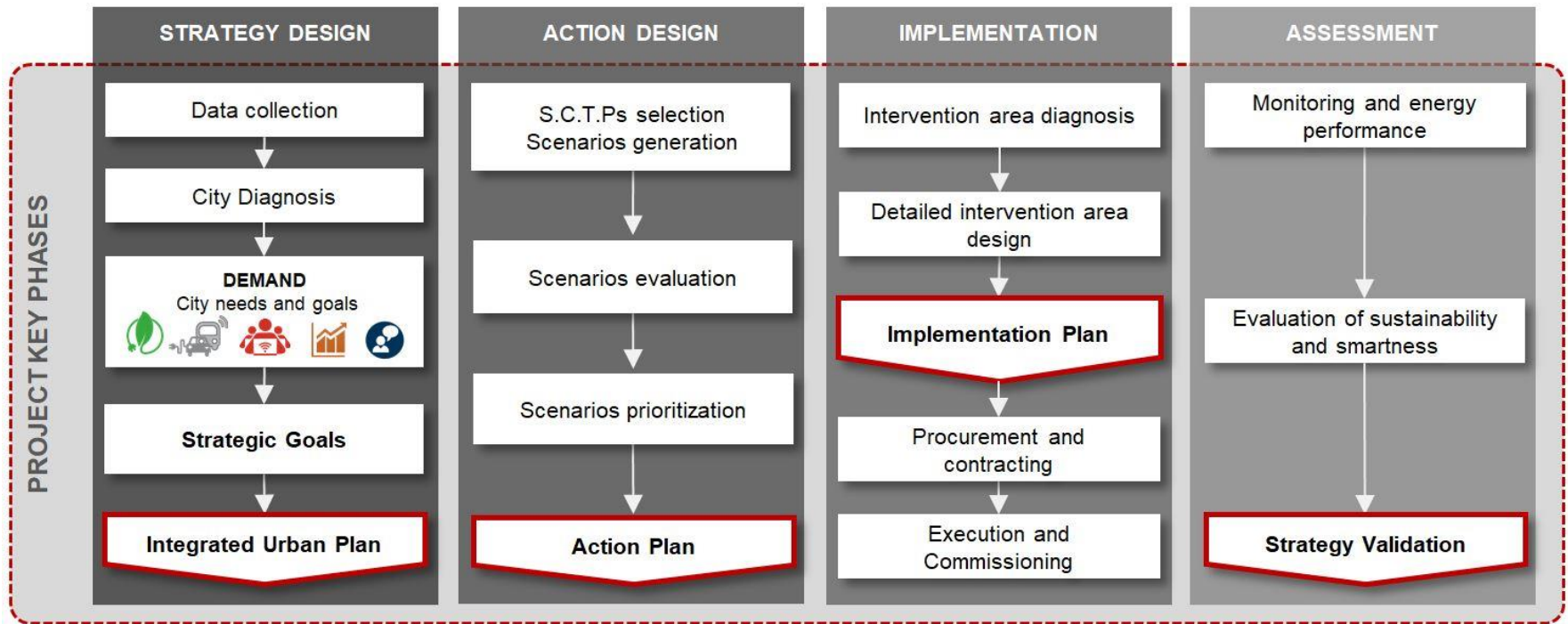
# Urban Regeneration Model

The aim is to build a **holistic, high replicable model**, addressing jointly the transformation of **energy in buildings and districts, urban mobility** and covering the integration of the **city infrastructures related to these two fields** through **ICTs** as a technological enabler





# Phases of the URM





# Questions

Thank you for your attention!

If you have a specific question regarding the precedent introduction please do not hesitate to contact:

Esra Demir, Demir Enerji, leader of the Work Package 1  
Development of a replicable model of urban regeneration for  
REMOURBAN, [edemir@demirenerji.com](mailto:edemir@demirenerji.com)





# Integrated Urban Plan (IUP)

## Deliverable 5.5- Integrated Urban Plan (IUP):

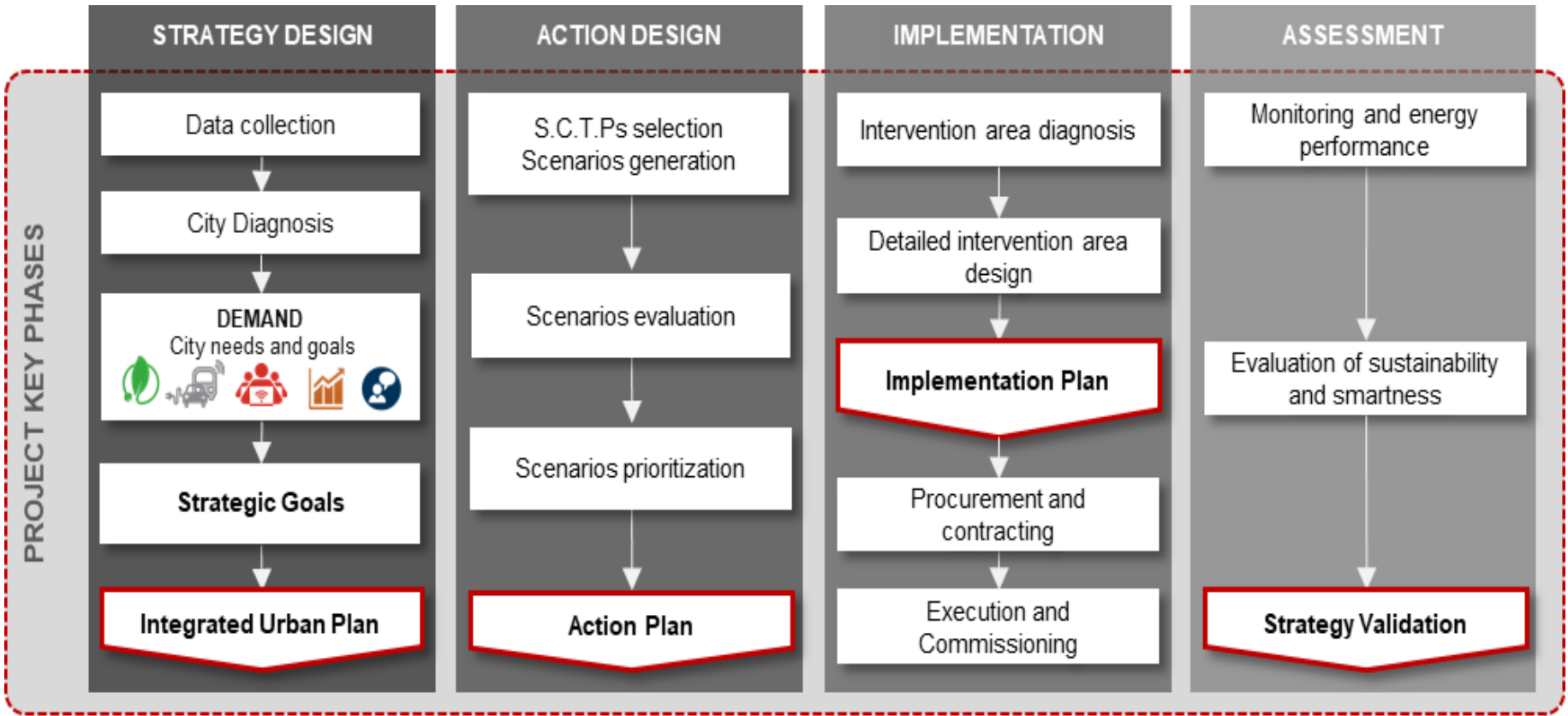
- 1. IUP in the Broader Context of Remourban
- 2. Purpose of the IUP - ‘Demand Side’
- 3. The IUP development process including the *Strategy Design Methodology*
- 4. Next steps





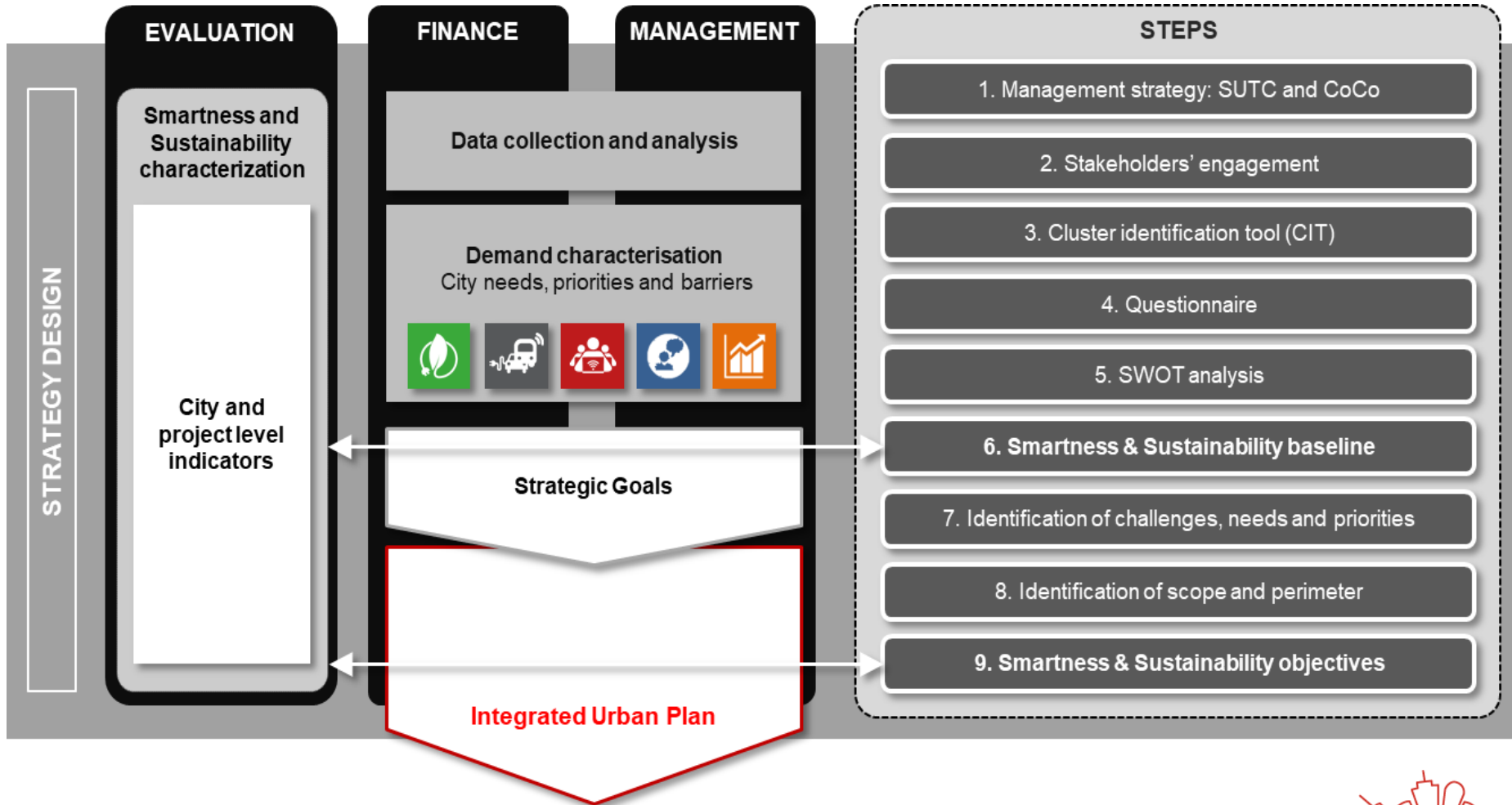


# Phases of the URM





# Strategy Design Methodology (SDM)





# Questions

Thank you for your attention!

If you have a question regarding the IUP (Integrated Urban Plan) and its preparation thanks to the URM (Urban Regeneration Model) please do not hesitate to contact:

Owen Harvey, Nottingham City Council, REMOURBAN Project Manager & ESF Ahead Partnership Manager,

[Owen.Harvey@nottinghamcity.gov.uk](mailto:Owen.Harvey@nottinghamcity.gov.uk)





# Replication Methodology

- 1. The example of Seraing: analysing the demand (SDM) and choosing key smart projects
- 2. Connecting the demand with the supply of Smart City Technology Packages: the design of a dedicated tool







# 1. Defining the demand in Seraing: method

## Strategy design methodology in Seraing:

1. SUTC: Smart Urban Transformation Council
2. Stakeholders' engagement
3. Cluster Identification Tool (CIT): cluster 2 « CENTRE »
4. Questionnaire
5. SWOT Analysis
6. Sustainable and Smart Baseline
7. Key priorities and needs
8. Scope of action (FCs: Follower Cities): a district in the city (Trasenster)
9. Sustainable and Smart Objectives

Cluster 2 (Centre)	Descriptions
<b>People</b>	Cities which gain population. High ratio of population with higher education Also, cities with aging population
<b>Finance</b>	Good position in GDP and disposable income
<b>Mobility</b>	Cities with highest private car ratio. Predominance of car in the modal split.
<b>Energy</b>	Cities with low energy consumption in households and intermediate position in use of RES. Natural gas as main final energy consumption.
<b>Infrastructure</b>	Intermediate position in use of internet and smartphone





# 1. Defining the demand in Seraing: method

Selection of two projects for feasibility studies in Seraing :

- Technical analysis: best smart solutions
- Financial analysis: innovative business models

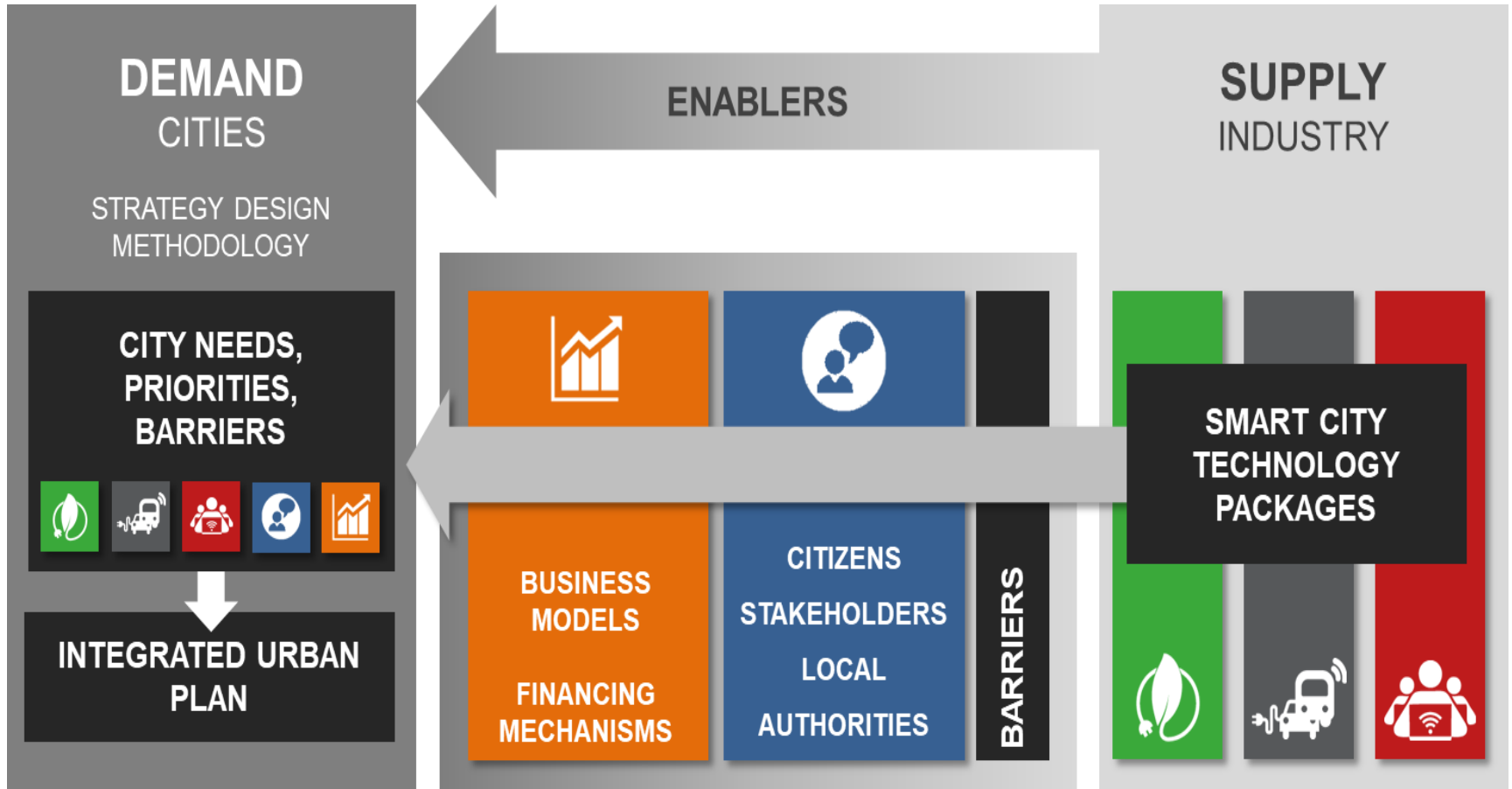
**Gastronomia:** new food market and real estate development

**Former Ougrée townhall:** deep retrofit of the building (into student accommodation)



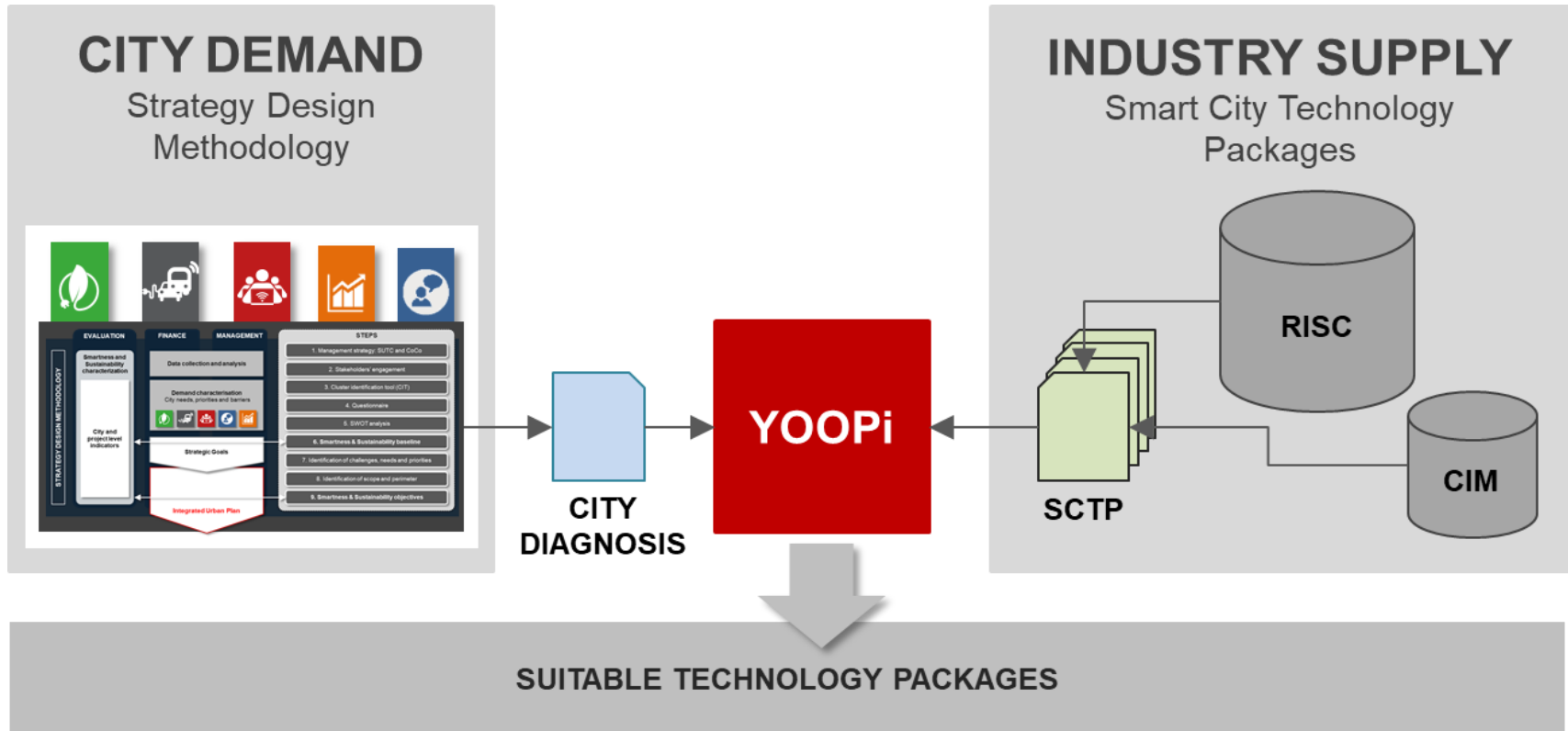


## 2. Connecting the demand with the supply...





## 2. Connecting the demand with the supply...



**RISC:** Replication Information System for Cities

**CIM:** Cost Implementation Model

**Yoopi!:** Smart Urban Regeneration Filter!

**SCTP:** Smart City Technology Package







# Questions

Thank you for your attention!

If you have any question regarding the replication methodology using the URM (Urban Regeneration Model) please do not hesitate to contact:

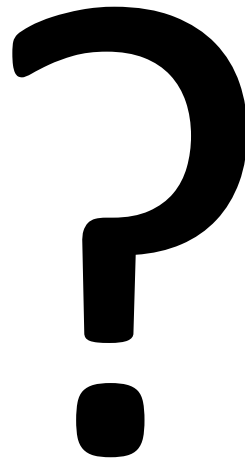
Zoé Lejeune, AREBS, leader of the Work Package 5 Replication for REMOURBAN, [zlejeune@arebs.be](mailto:zlejeune@arebs.be)





# Questions & Answers

It is now time for questions.





# Contact details of moderator & speakers

- Matthieu Grosjean , Steinbeis-Europa-Zentrum, leader of the Work Package 7 Exploitation and Market Deployment for REMOURBAN, [grosjean@steinbeis-europa.de](mailto:grosjean@steinbeis-europa.de)
- Esra Demir, Demir Enerji, leader of the Work Package 1 Development of a replicable model of urban regeneration for REMOURBAN, [edemir@demirenerji.com](mailto:edemir@demirenerji.com)
- Owen Harvey, Nottingham City Council, REMOURBAN Project Manager & ESF Ahead Partnership Manager, [Owen.Harvey@nottinghamcity.gov.uk](mailto:Owen.Harvey@nottinghamcity.gov.uk)
- Zoé Lejeune, AREBS, leader of the Work Package 5 Replication for REMOURBAN, [zlejeune@arebs.be](mailto:zlejeune@arebs.be)





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