



Urban Renovation Methodology

KPI-driven methodology for urban renovation at district level. Sustainable Strategic Urban Planning



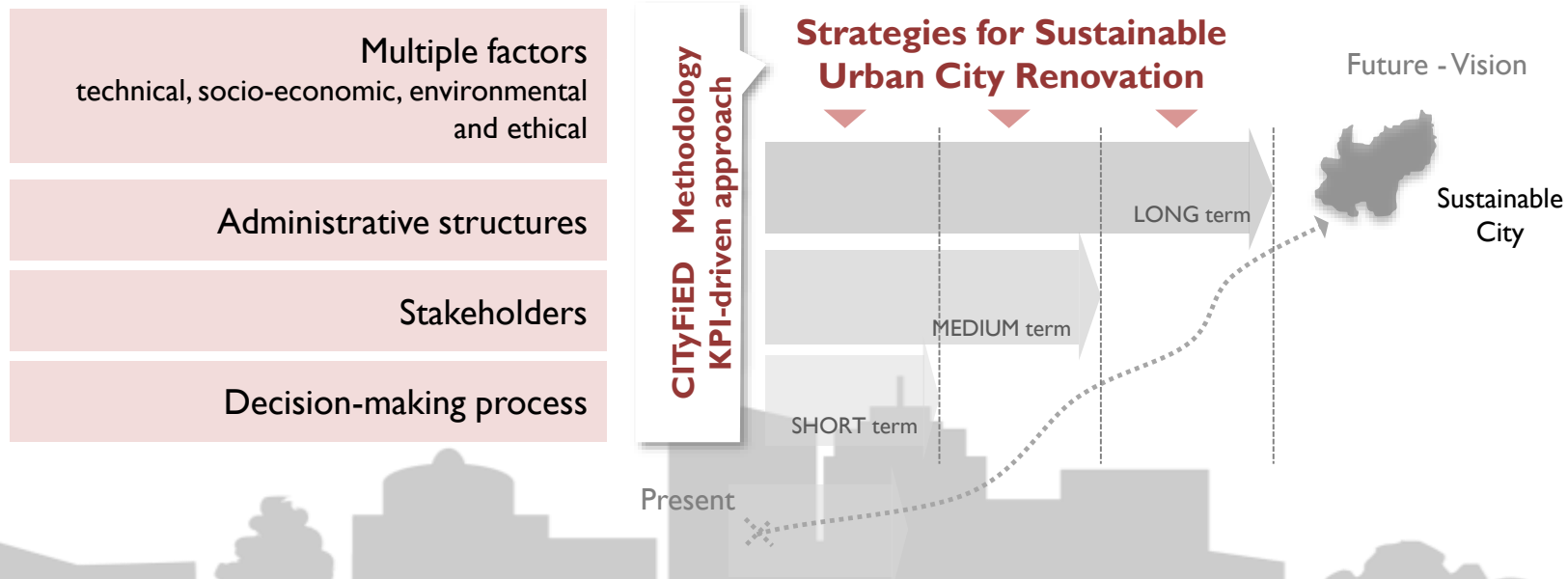
KPI-driven methodology for urban renovation at district level. Sustainable Strategic Urban Planning

- Introduction
- **The CiTyFiED Methodology for city renovation at district level**
- **CiTyFiED KPIs for district renovation**
 - Evaluation of KPIs definition
 - CiTyFiED: Three levels of indicators
 - **City Level Indicators (L1)**
 - **Project Level KPIs (L2)**
 - **Impact Assessment Indicators at city level (L3)**
- Conclusions



Introduction

- **Energy consumption and CO₂ emissions** increased during the last decades¹
- +
- **Improvement potential in the residential sector:**
CO₂ emissions can be reduced by 90% by 2050²



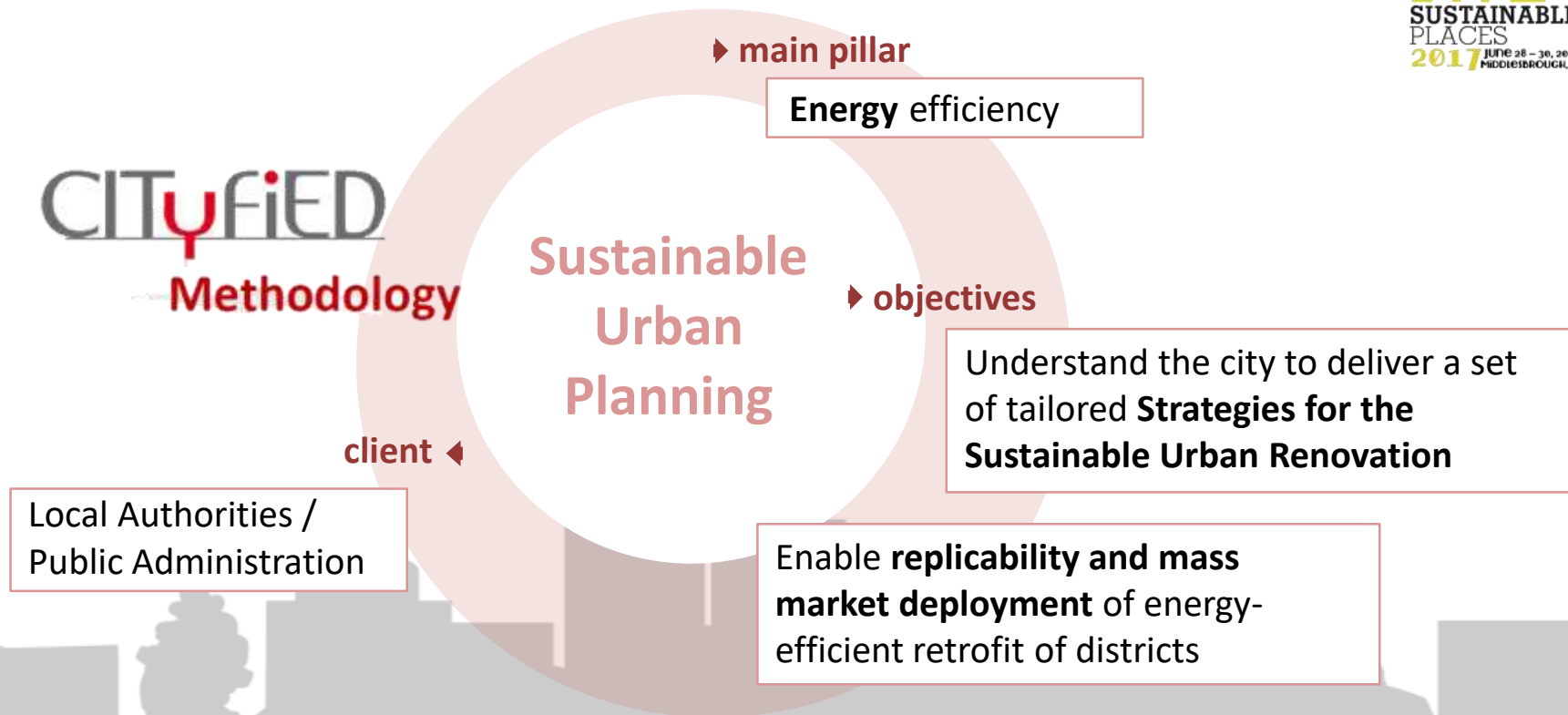
¹ Smart Cities Council. 2013.

² European Commission. COM/2011/0112 final. 2011.

The CITYFiED Methodology

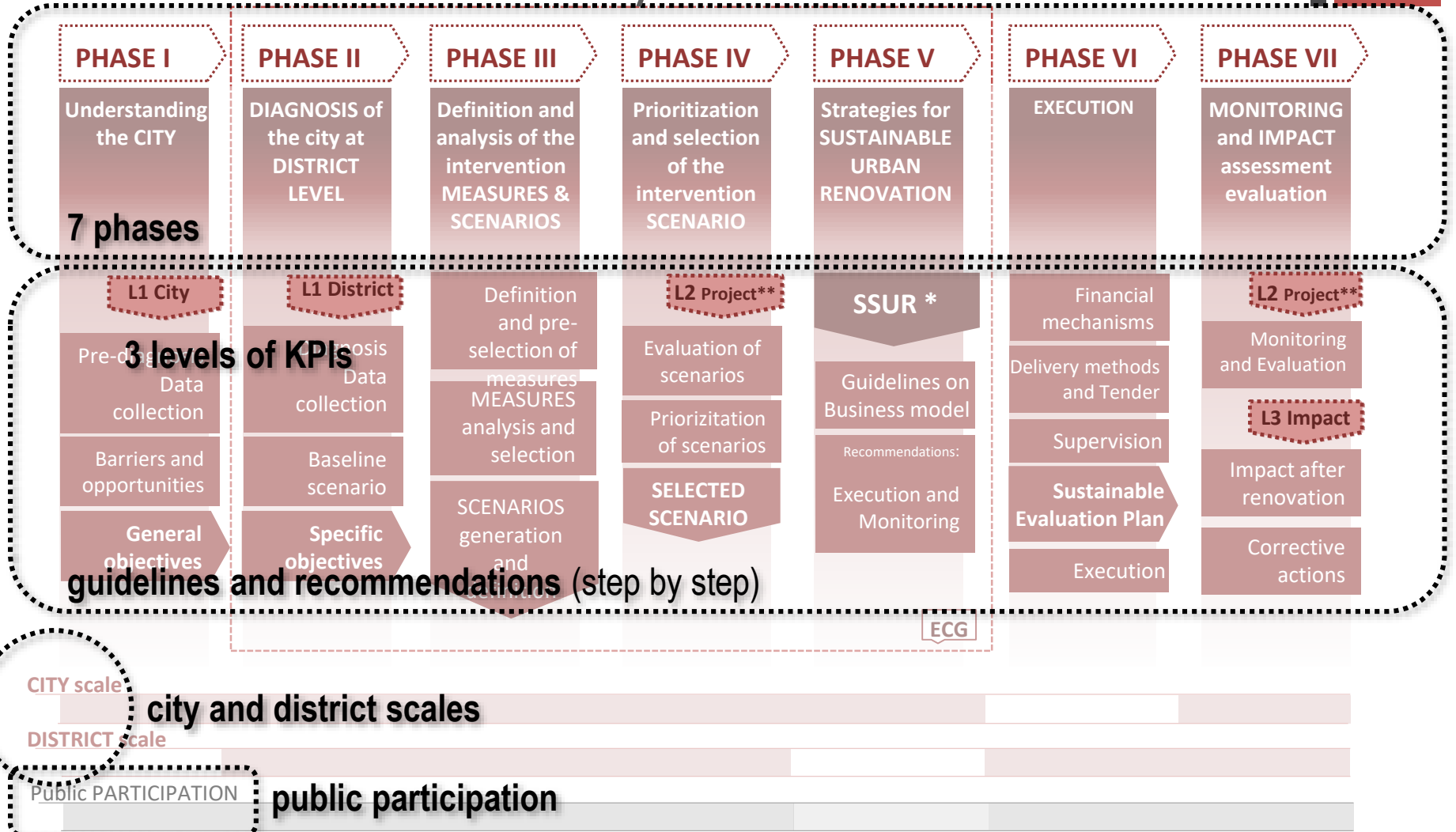
for city renovation at district level

The CITYFiED Methodology is a KPI-driven approach for urban renovation at district level designed as a **consultancy tool for Sustainable Urban Planning**.



The CITYFiED Methodology

for city renovation at district level



Process stage Indicators

ECG Assessment core – External Consultancy Group
Sustainable Places 2017, June 28-30. Middlesbrough, UK.

*SSUR: Strategies for Sustainable Urban Renovation
**KPIs: Key performance indicators

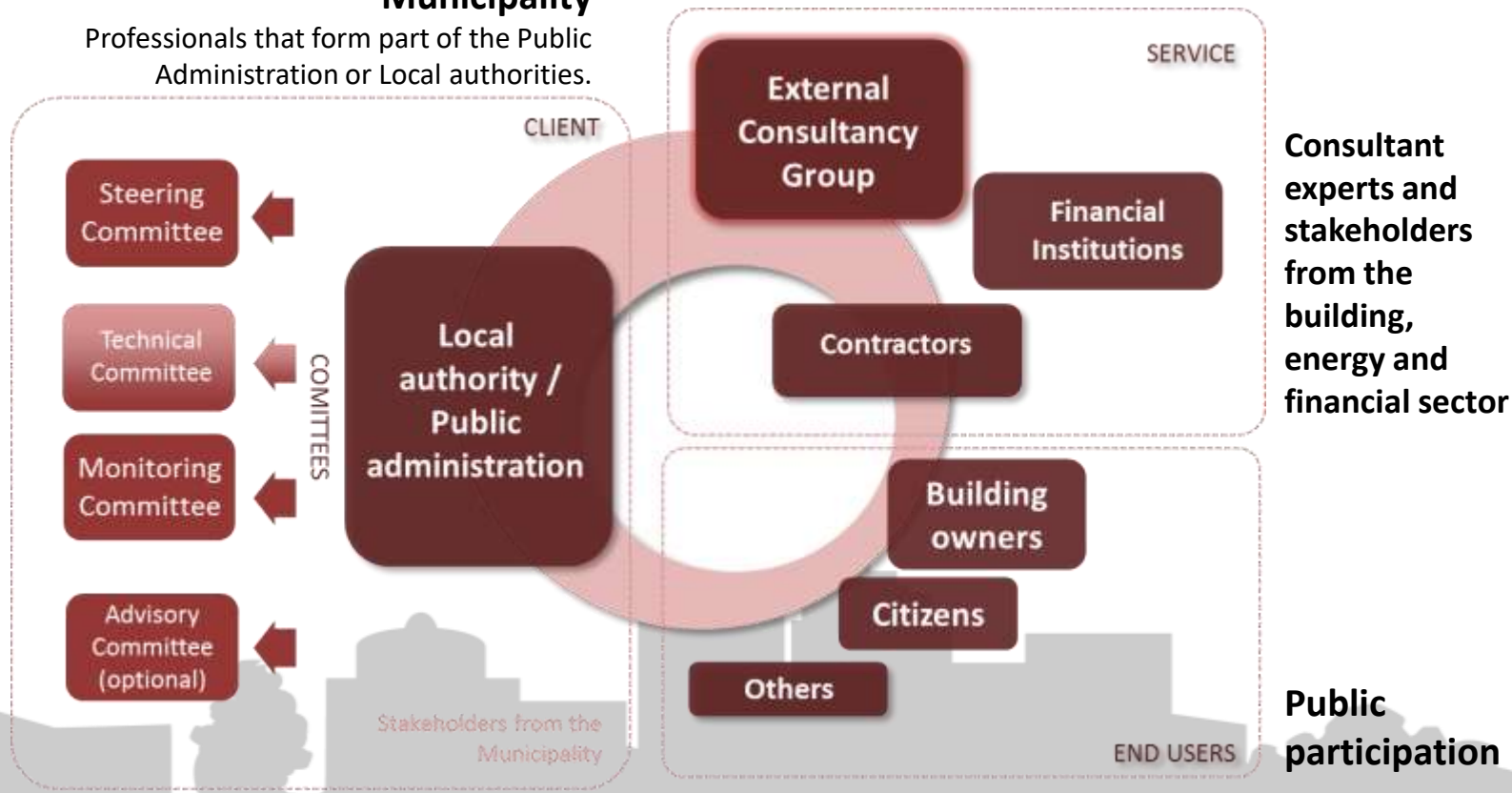
The CITYFiED Methodology

for city renovation at district level

Experts representing the Municipality

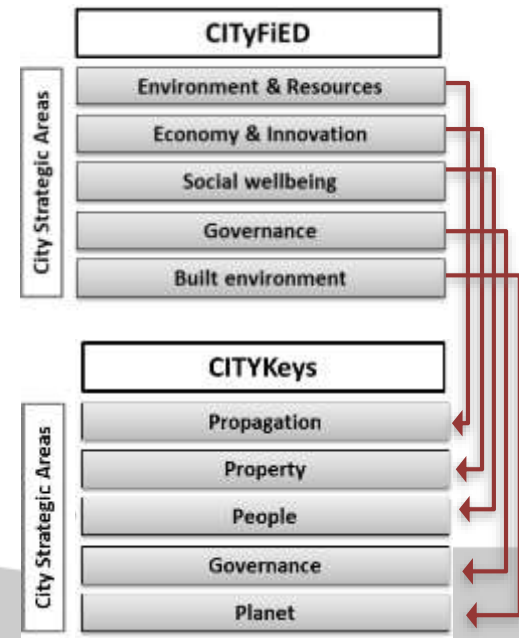
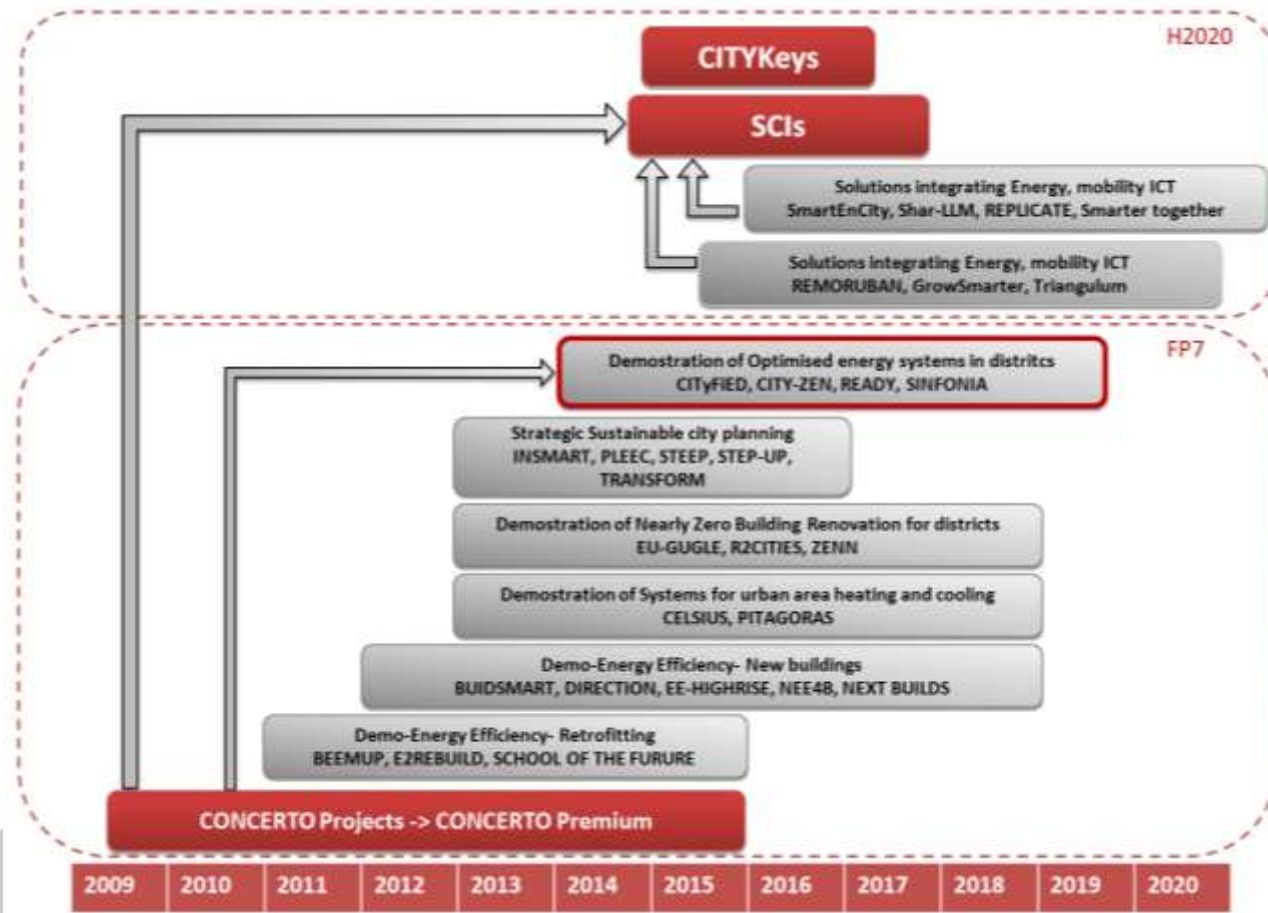
Professionals that form part of the Public Administration or Local authorities.

ECG Multidisciplinary group to closely cooperate with the local authorities to define the initial situation, select measures and propose customized SSUR.



CITyFiED KPIs for district renovation

Evolution of KPIs definition



CITyFiED KPIs for district renovation

CITyFiED: three levels of indicators

Three levels of indicators are integrated in the CITyFiED Methodology **KPI-driven approach**:

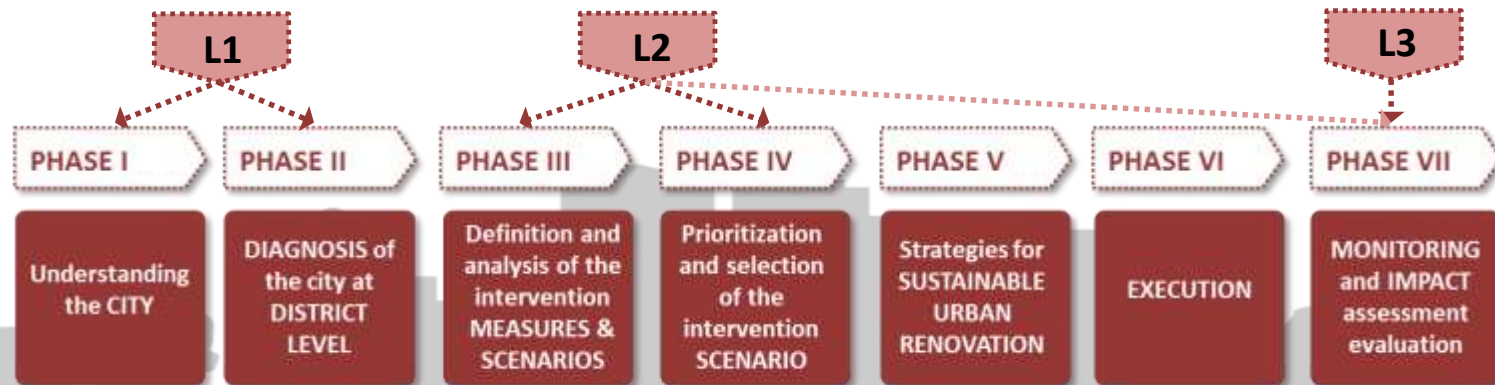
- City Level Indicators (city & district) (L1)
- Project Level Indicators (L2)
- Impact Assessment Indicators (L3)



City Level Indicators (city & district)

Project Level Indicators

Impact Assessment Indicators

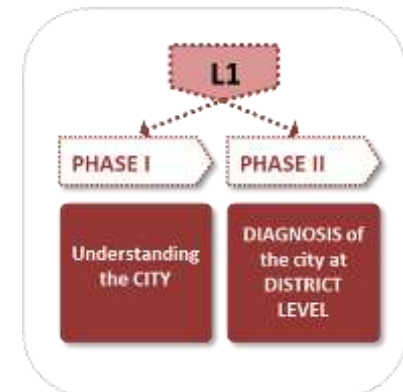
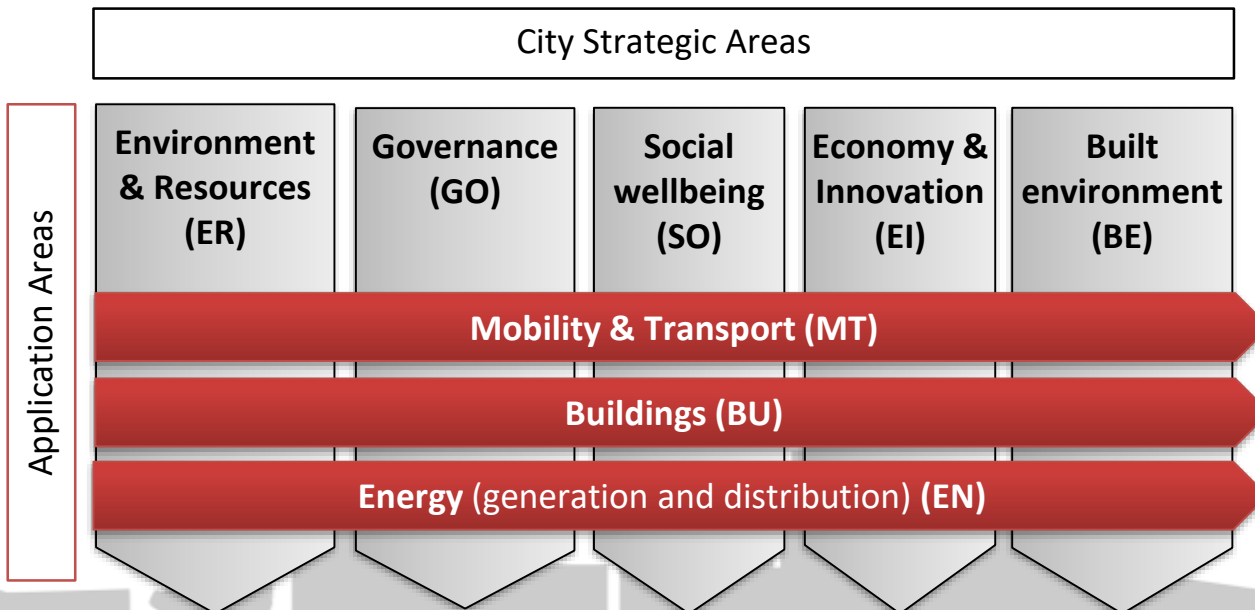


CITyFiED KPIs for district renovation

City Level Indicators (L1)

City Level Indicators (city & district)

- Objective: Understand the city and district identifying barriers and opportunities to set the sustainable objectives.
- KPIs matrix 3 x 5 areas. MT (17) | BU (14) | EN (14)

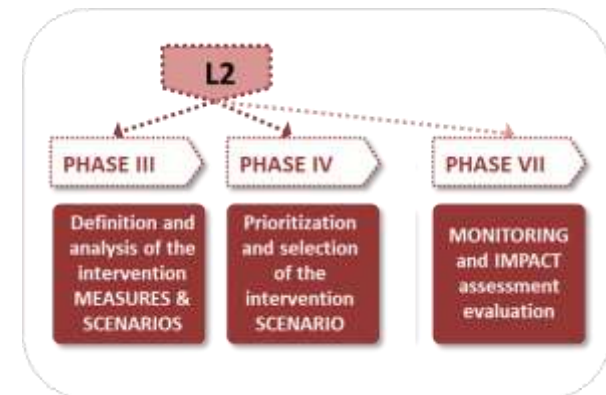
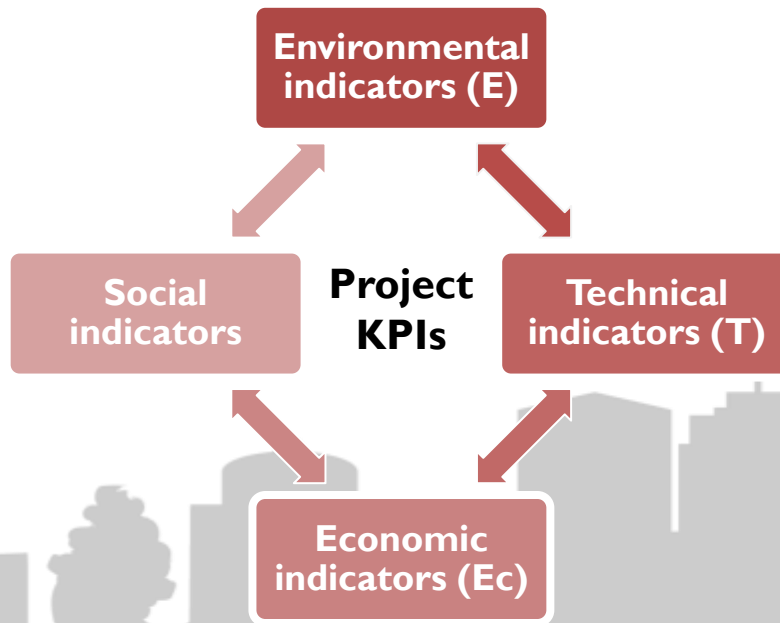


CITyFiED KPIs for district renovation

Project Level KPIs (L2)

Project Level Indicators (L2)

- **Objective:** detailed evaluation of the environmental, technical, economic and social viability of the different interventions.
- Environmental (E1-E5), Technical (T1-T9), Economic (Ec1-Ec8) and Social indicators (background and acceptance).

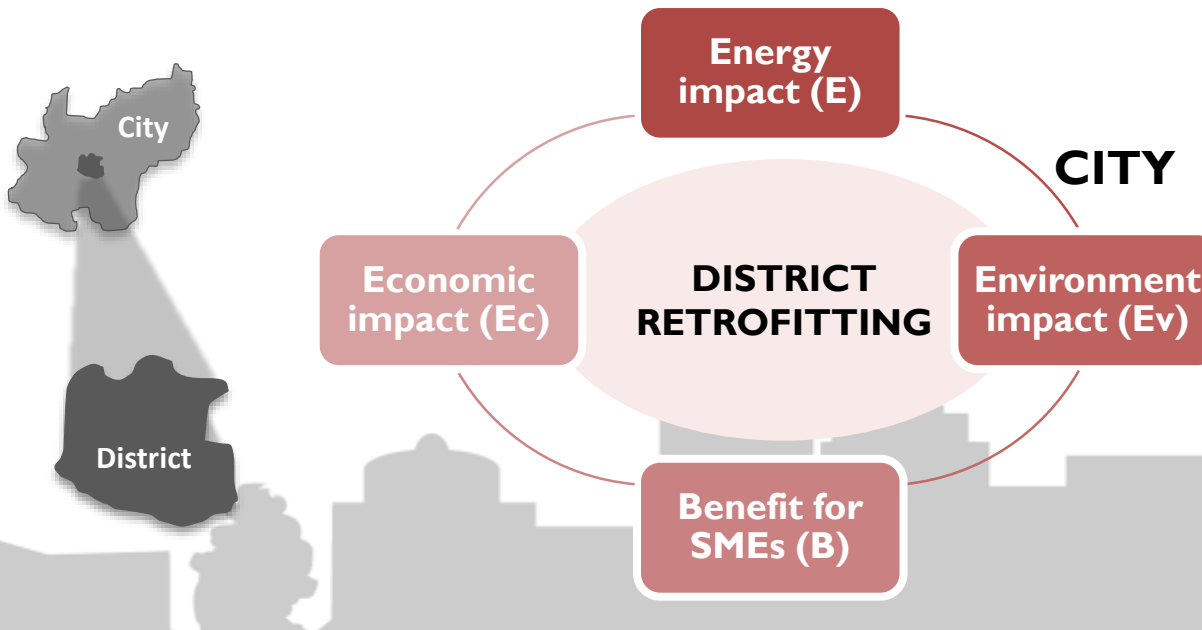


CITyFiED KPIs for district renovation

Impact Assessment Indicators at city level (L3)

Impact Assessment Indicators (L3)

- Objective: assess the impact of the measures at district and city level.
- Energy impact (E1,E2), Environment impact (Ev5), Economy impact (Ec1, Ec7, Ec8) and Benefit for SMEs (B1-B6).



Conclusions

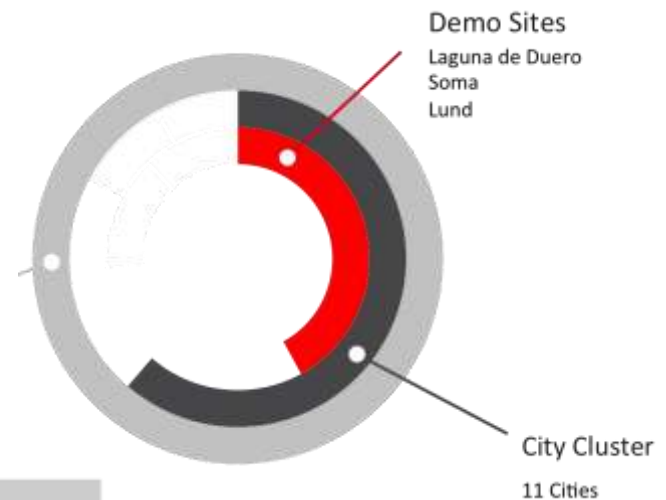
The CITYFiED methodology...

- ... is a **KPI-driven approach** for urban renovation at district level designed as a consultancy tool for Sustainable Urban Planning.
- ... includes **three levels of indicators** to understand the city (L1), assess the solutions (L2) and evaluate the impact (L3).
- ... **facilitates the decision-making process** in the selection of the strategies to be implemented.
- ... considers as reference the large CITYFiED demonstration cases and is validated through the active participation of the CITYFiED network of cities, **guaranteeing its replicability**.



CITYFiED
Partnership for Sustainable
Urban Planning

SUSTAINABLE
PLACES
2017
JUNE 28 - 30, 2017
MIDDLESBROUGH, UK



Thank you for your attention!



@cityfied_eu



CITyFiED Project



My Smart City District

<http://www.cityfied.eu/>

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