



Sustainable urban regeneration model development,
demonstration of Smart City technologies in energy,
transport and ICT: REMOURBAN

Sustainable Places 2020

Steinbeis-Europa-Zentrum
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Introduction: REMOURBAN

REgeneration MOdel for accelerating the smart URBAN transformation (URM)

- Project Duration: 5,5 years (01.2015-06.2020)
- Budget: 23.8 Mio EUR
- Development and validation of a sustainable urban regeneration model
- 22 Partners from: Germany, Spain, Turkey, UK, Belgium, Hungary, Italy
- **Contact:** <http://www.remourban.eu/>
- SEZ: *Matthieu Grosjean, matthieu.grosjean@steinbeis-europa.de*

- **Low Energy Districts:** Energy reduction 34%, and CO₂ emission reduction 50% Retrofitting, renewable heating and cooling, energy efficiency tools, EMBS
- **Sustainable Mobility:** Energy reduction of 5,1%, and CO₂ emission reduction 5% Clean energy vehicles, infrastructures and plans for energy and CO₂ reduction
- **Integrated infrastructures:** Smart grid connectivity, city information platform, optimized traffic flows, multi-modal transport and collaborative information transfer
- **Enabling factors for urban sustainability:** Identification of non-technical barriers to improve urban sustainability and transition to smarter cities, optimized regulatory frameworks and engaged citizens

3 lighthouse cities:



Valladolid (Es),
50% Energy
80% CO₂ Emis.
5700 citizens



Nottingham (UK),
50% Energy
26% CO₂ Emis.
8100 citizens



Tepebasi/Eskisehir (Tk)
50% Energy savings
63% CO₂ Emis. avoided
6000 citizens involved

2 follower cities:



Seraing (Be),



Miskolc (Hu)



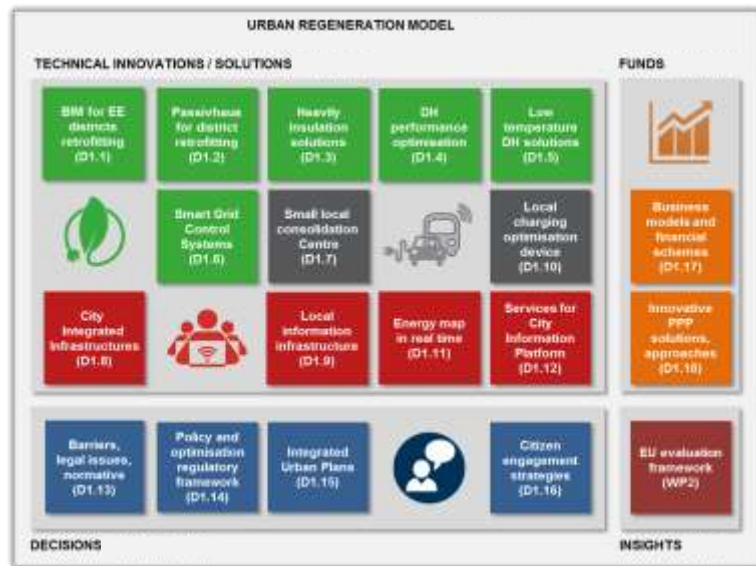
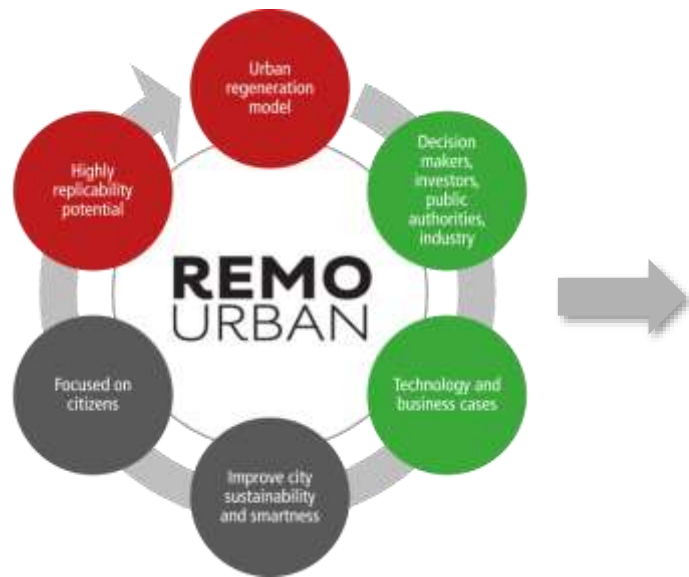
AGENDA

- General objectives of the URM
- Phases of the URM
- Frameworks
- Further information



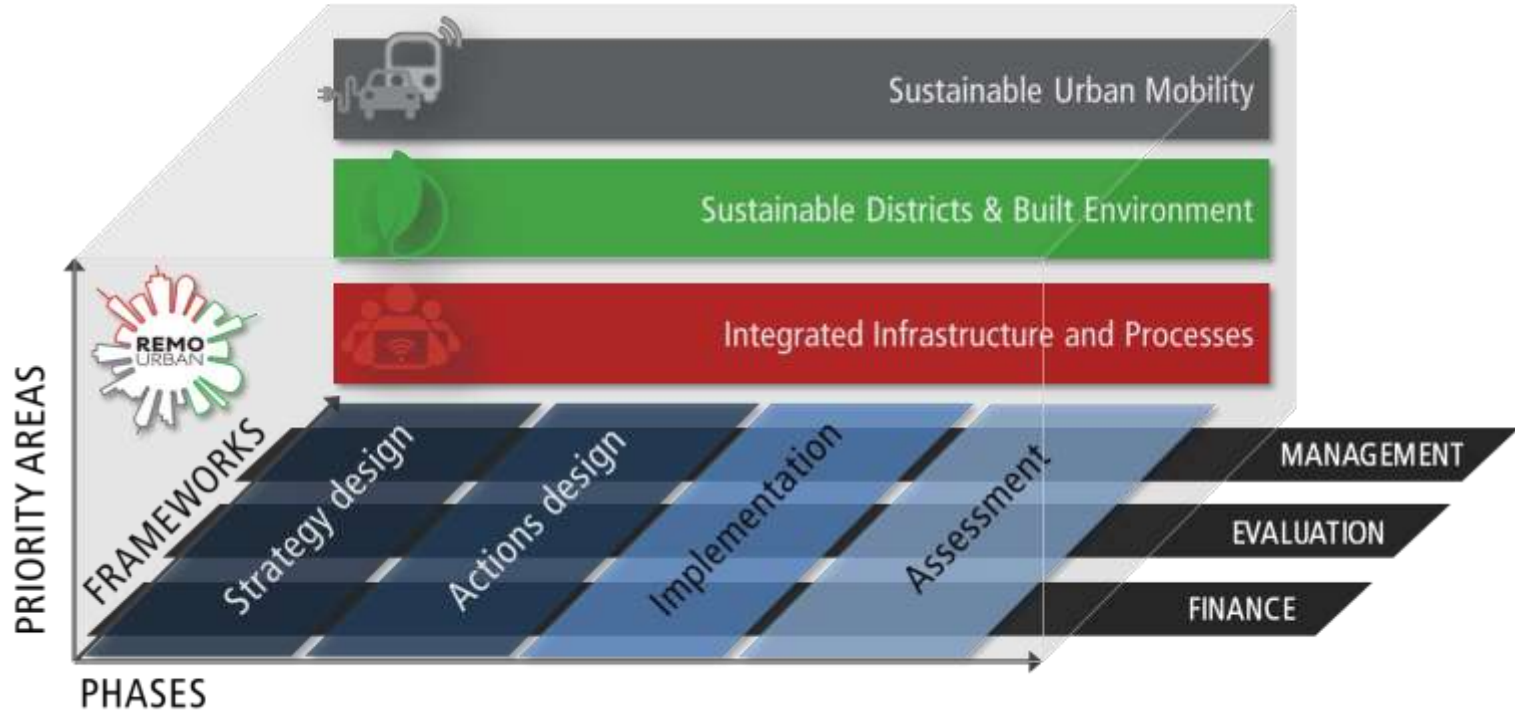
General objectives of the URM

The main objectives of the holistic **urban regeneration model** are to be highly replicable, addressing jointly the transformation of the building and districts, energy and mobility urban concept that integrates the existing city infrastructures.





URM: Urban Regeneration Model



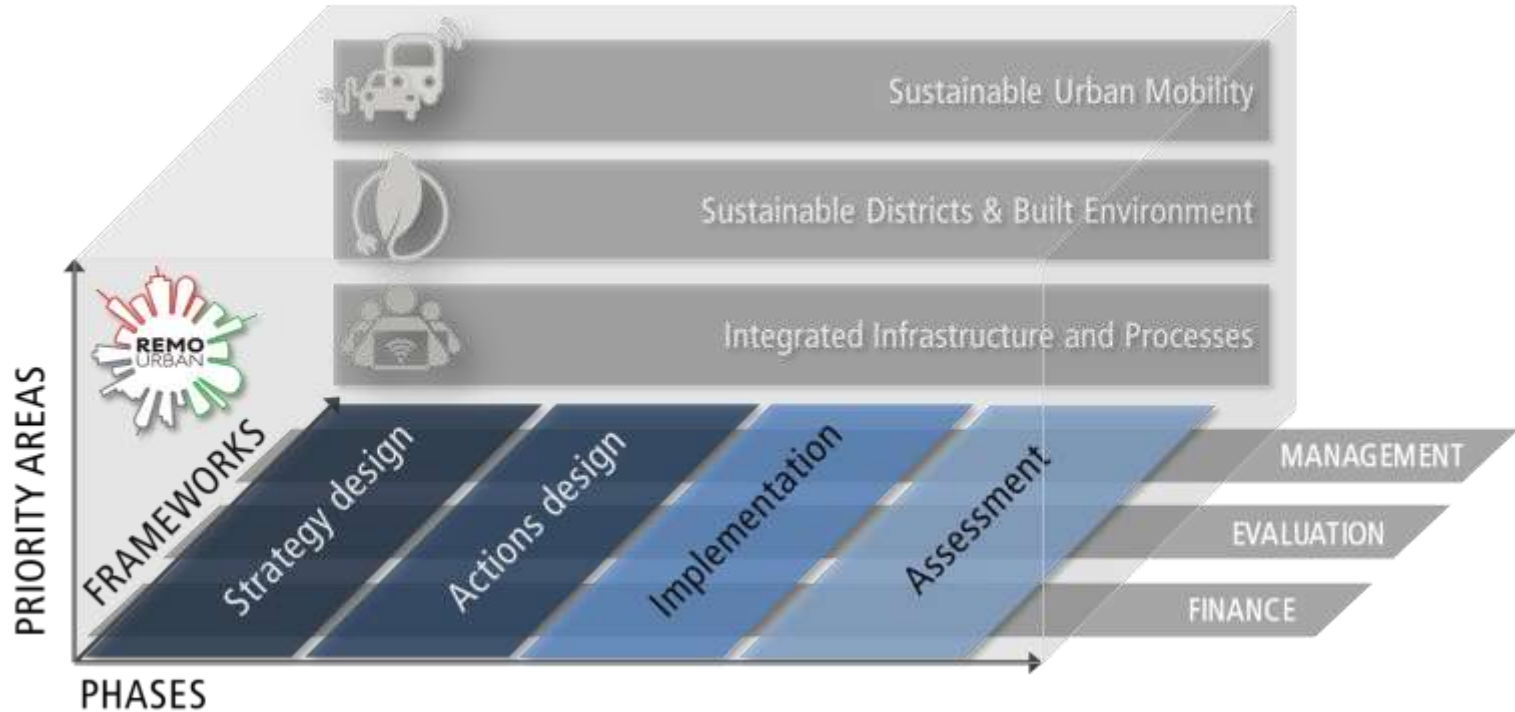
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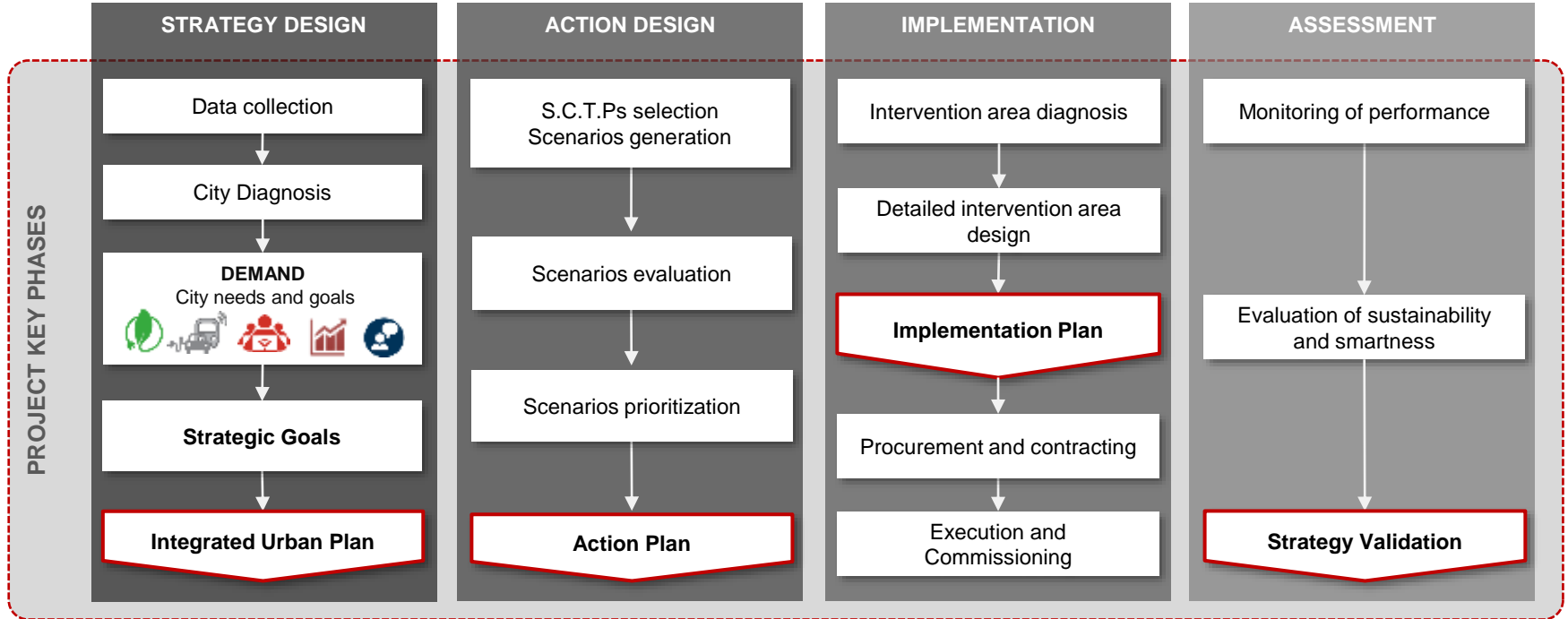


Phases of the URM



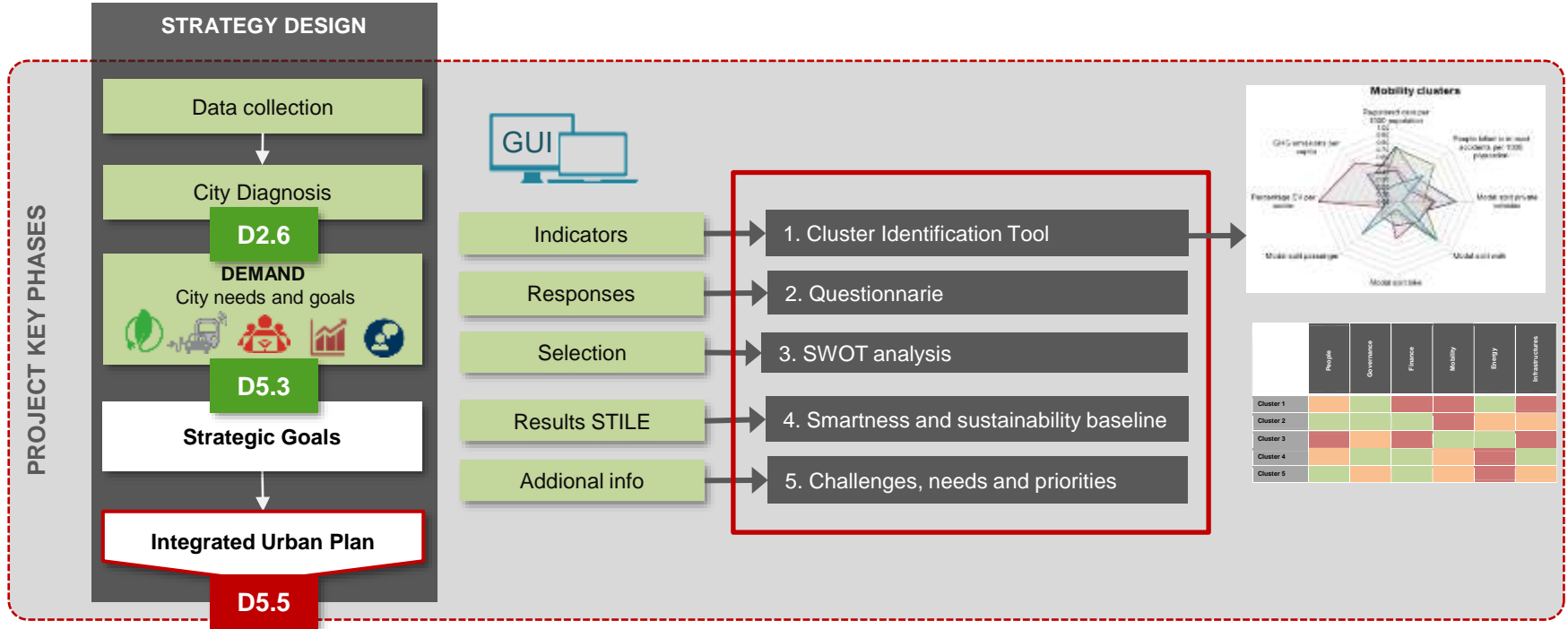


Phases of the URM



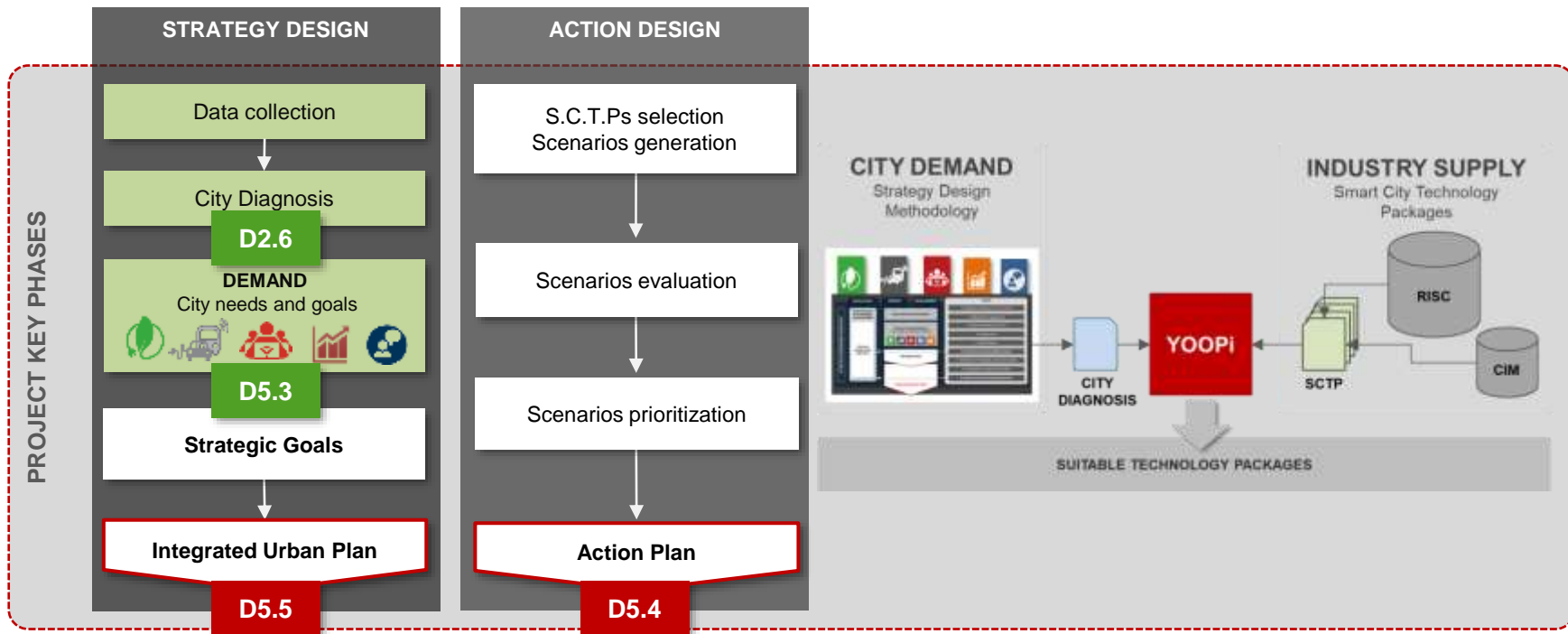


Phases of the URM: Strategy Design



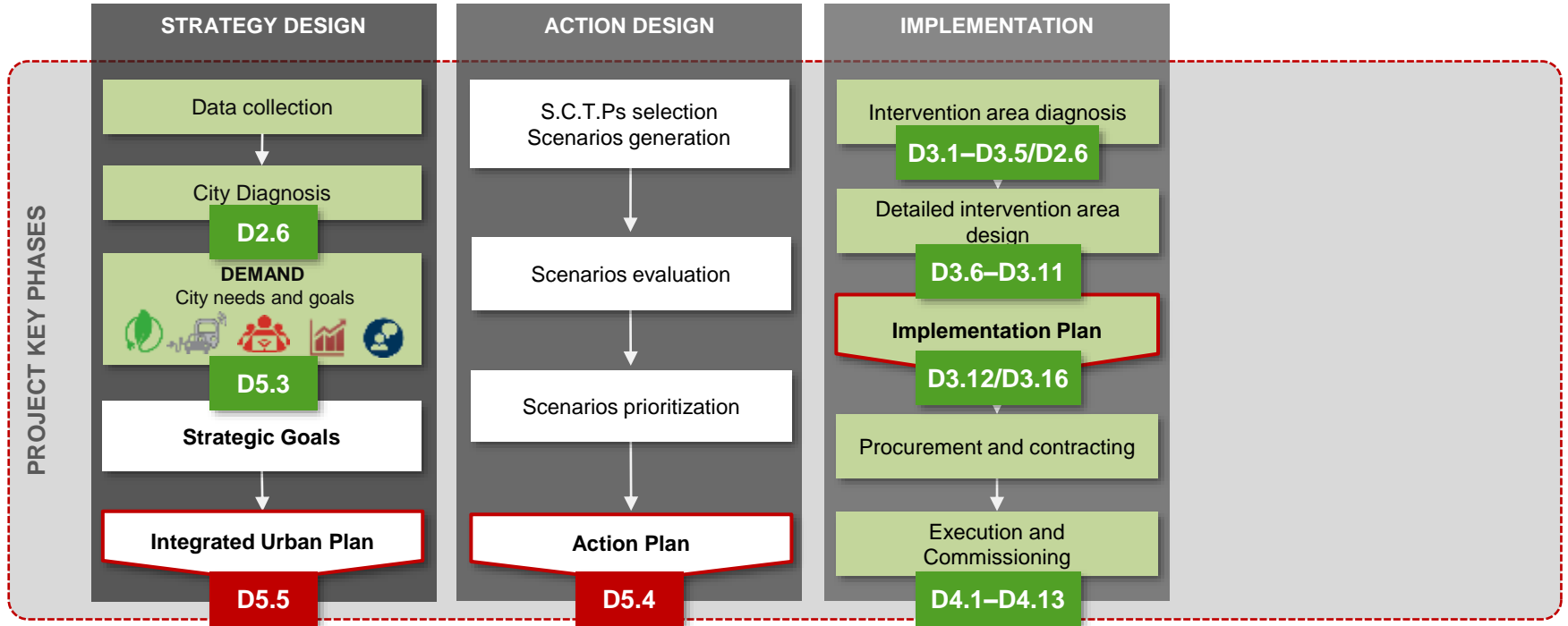


Phases of the URM: Action Design





Phases of the URM: Implementation



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Frameworks





Frameworks: Management

MANAGEMENT

Smart Urban Transformation Council (SUTC)

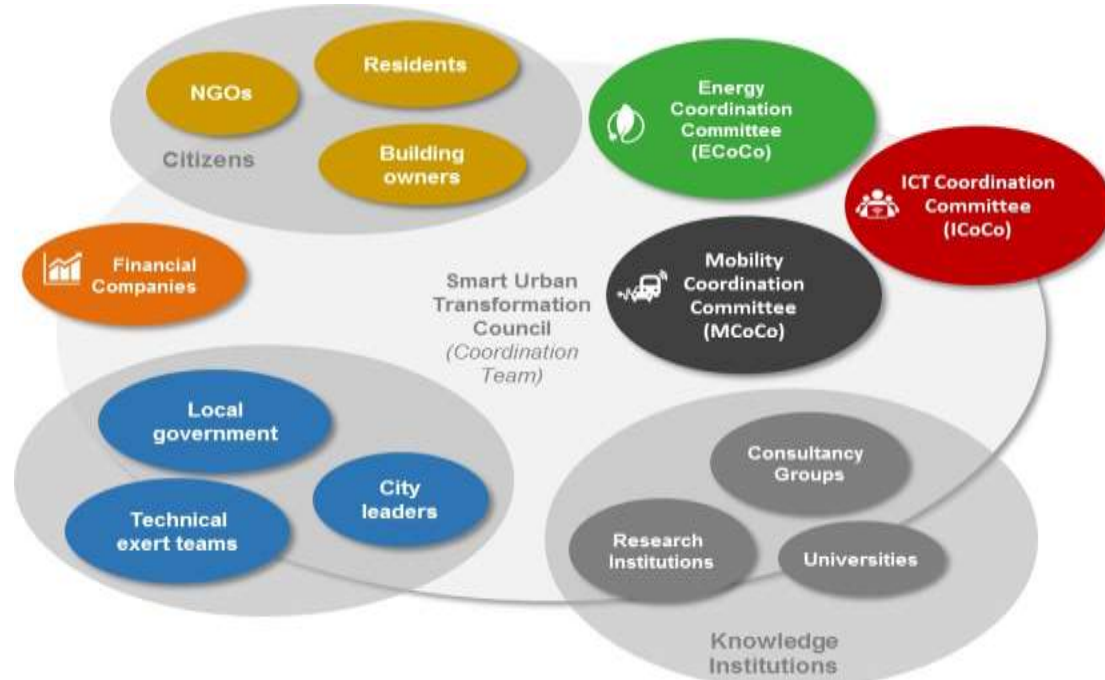
- Formulate shared vision

Coordination Committees (CoCo's)

- Set strategy and milestones
- Program and projects

Transformative Alliances

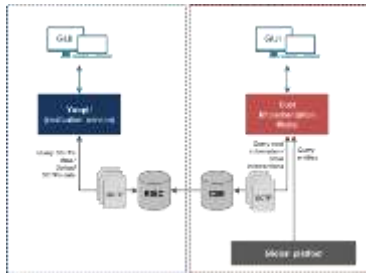
- Implement projects





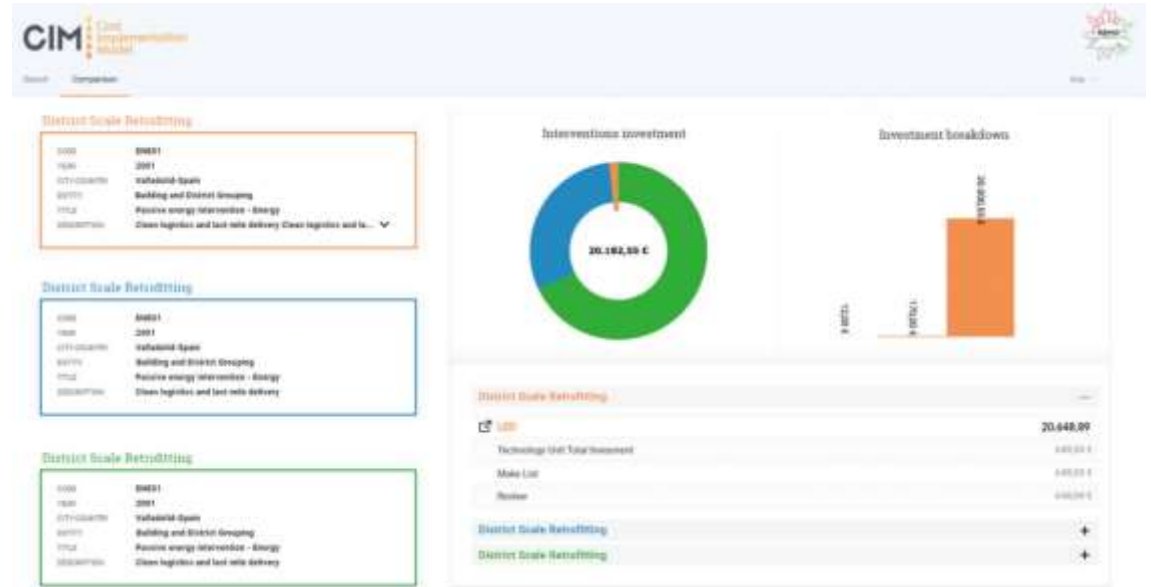
Frameworks: Finance

FINANCE



Innovative financing schemes :

- Public Private Partnership
- TIF (Tax Increment Financing)
- Green Bonds
- EPC Contract



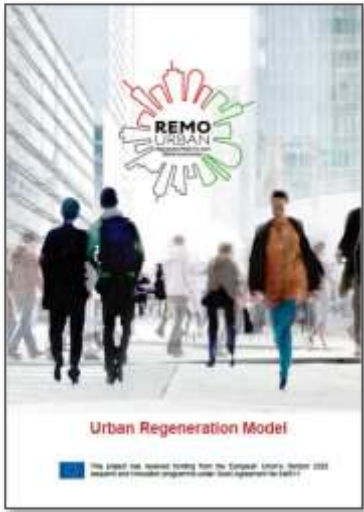
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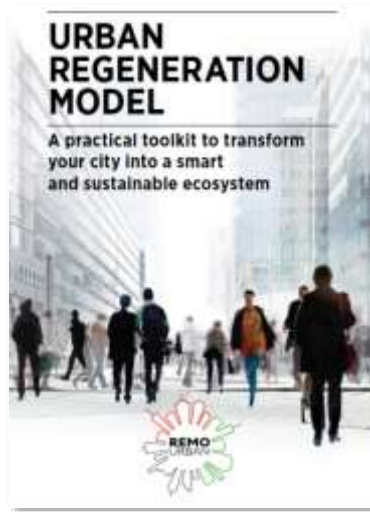




Further information



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Thank you for your attention!

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