



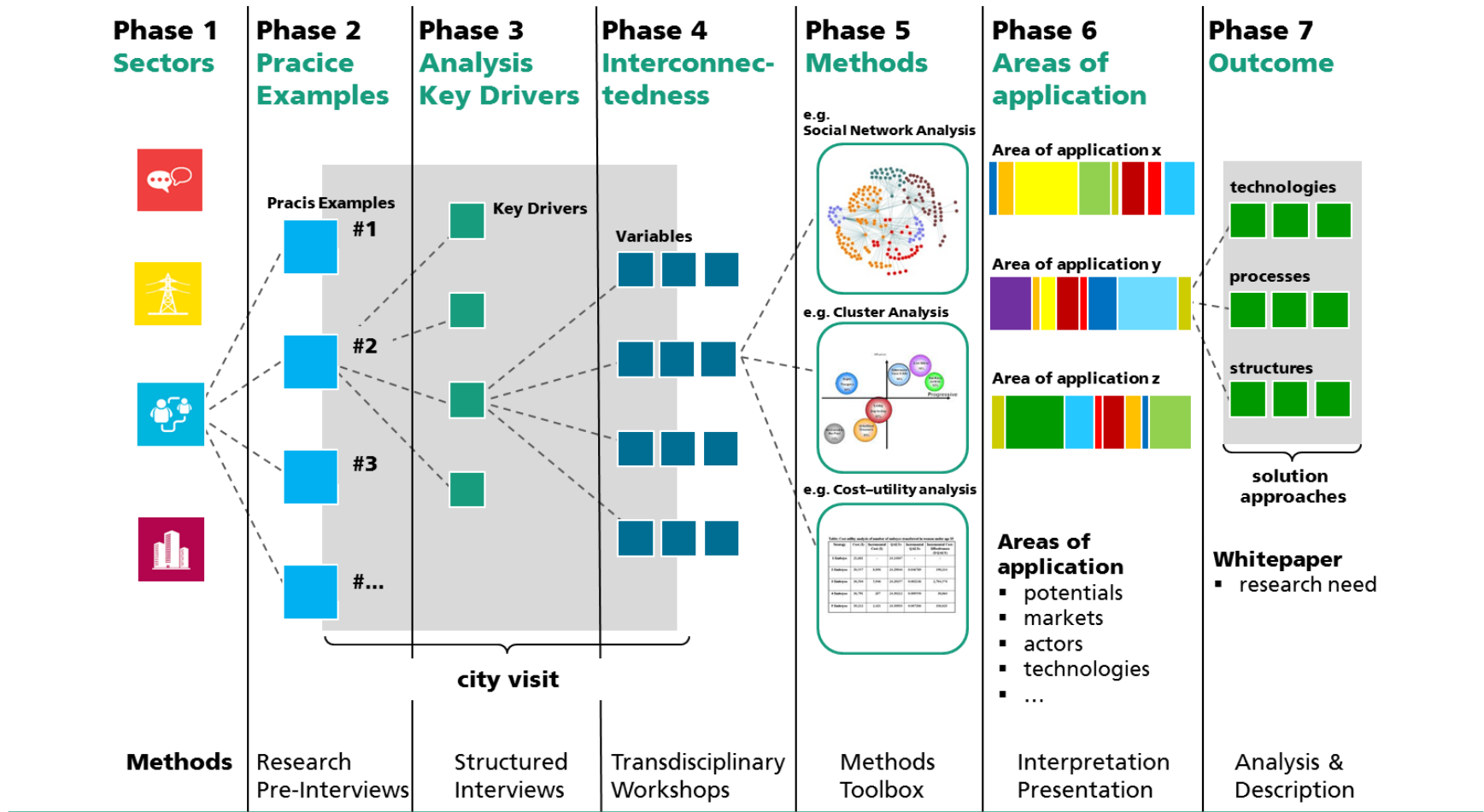
Morgenstadt City Lab Lisbon

Real CORP 2016, 23.06.2016



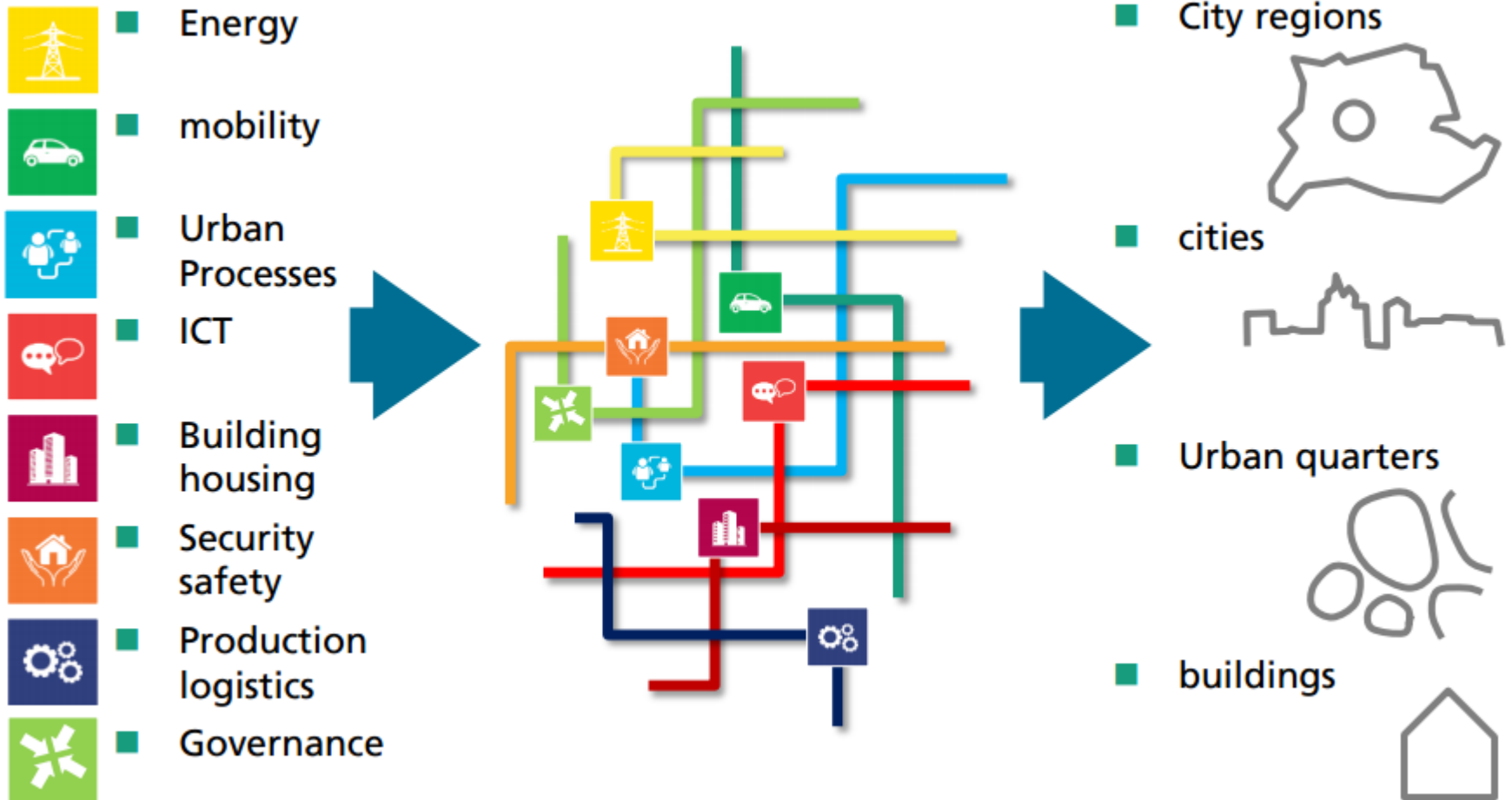
Methodology m:ci Phase 1

Development of a research methodology

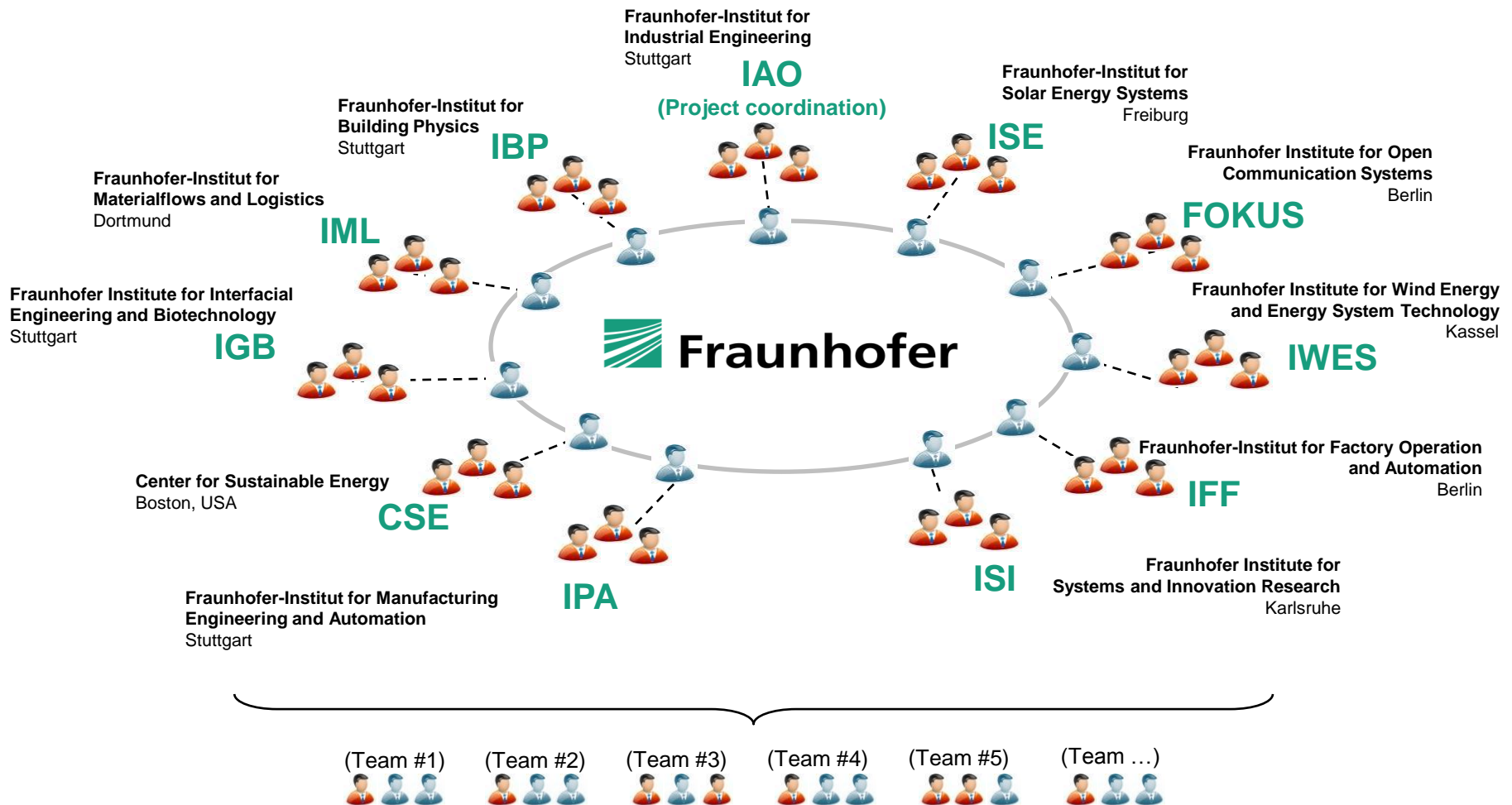


Morgenstadt network

Develop sector integrated strategies and solutions for the specific urban context



12 Fraunhofer Institutes



Morgenstadt partners

New Morgenstadt partners



City Team



Alanus von Radecki



Teresa Almeida



Nora Fanderl



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Willi Wendt



Francisco Gonçalves



Marielisa Padilla



Tom Hawxwell

- Fraunhofer IAO

- City Lisbon

Benchmarking of Lisbon
Comparison of Indicators with
Morgenstadt benchmarks

Lisbon Impact Factors

Identification of challenges, opportunities, barriers and ideas for action based on structured Interviews

57 interviews with local stakeholders and experts on the most important city factors

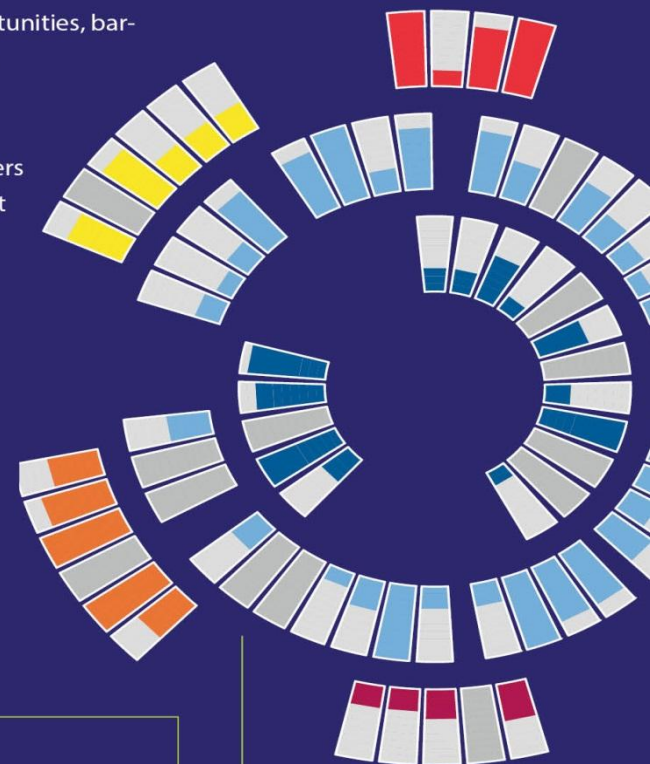
Lisbon Indicators

Assessment of 117 indicators for Lisbon

- Pressures on the city system
- State of the city system
- Impact of the city System

Lisbon Action Fields

Assessment of 86 Action Fields for smart & sustainable development of Lisbon



July

August

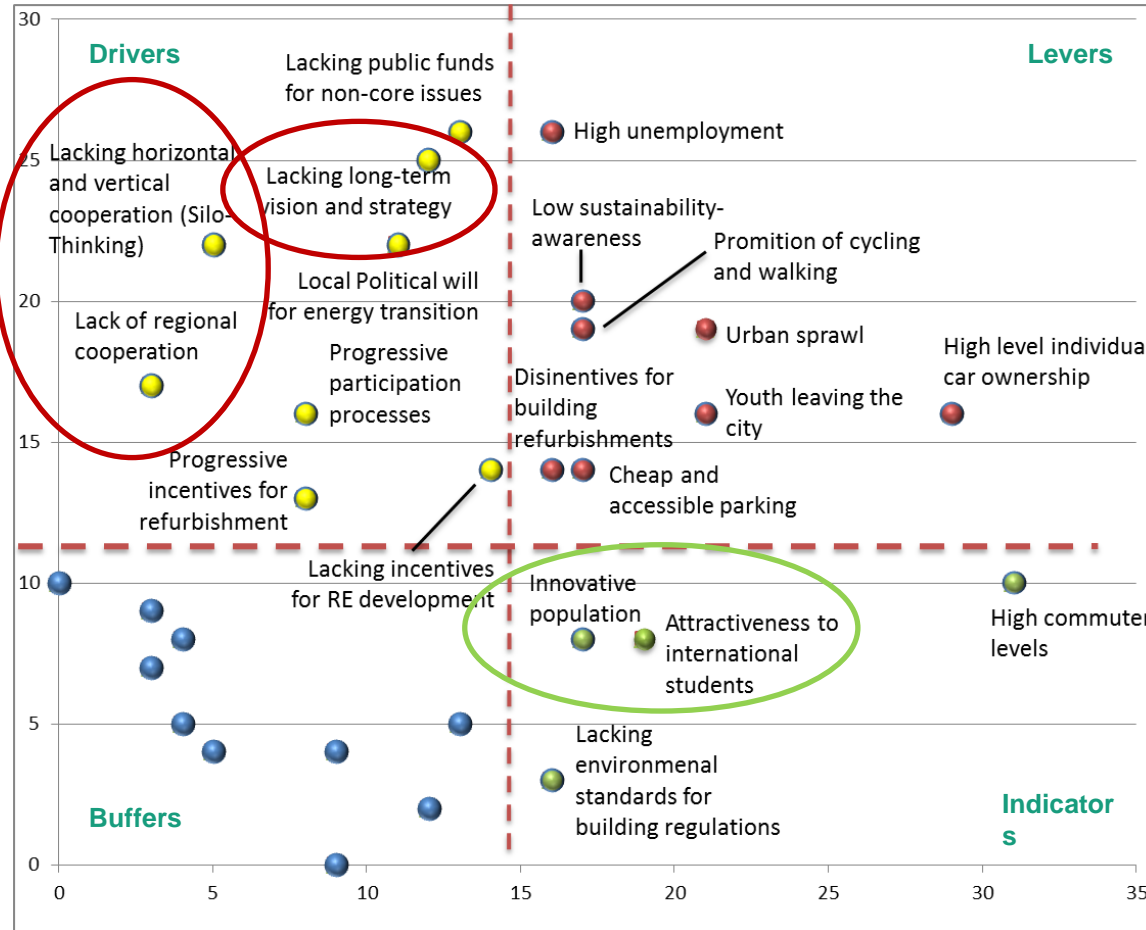
September

October

November

December

Lisbon Impact Factors



Drivers:

Factors with high impact on other factors. Potential to drive change and to stay stable over a long time.

Levers:

Factors that both impact other factors and are influenced by others. Crucial factors to transform the system in the desired direction.

Indicators:

Factors with little influence on other factors, but are strongly influenced by other factors. Serve as indicators to show the change in the system.

Buffers:

These are factors that are rather inactive in any direction.

Key findings



1. Great innovation potential

2. Lisbon demonstrating **intersectoral thinking** in strategic development

3. **Co-creation and stakeholder cooperation** needs a more formalized structure

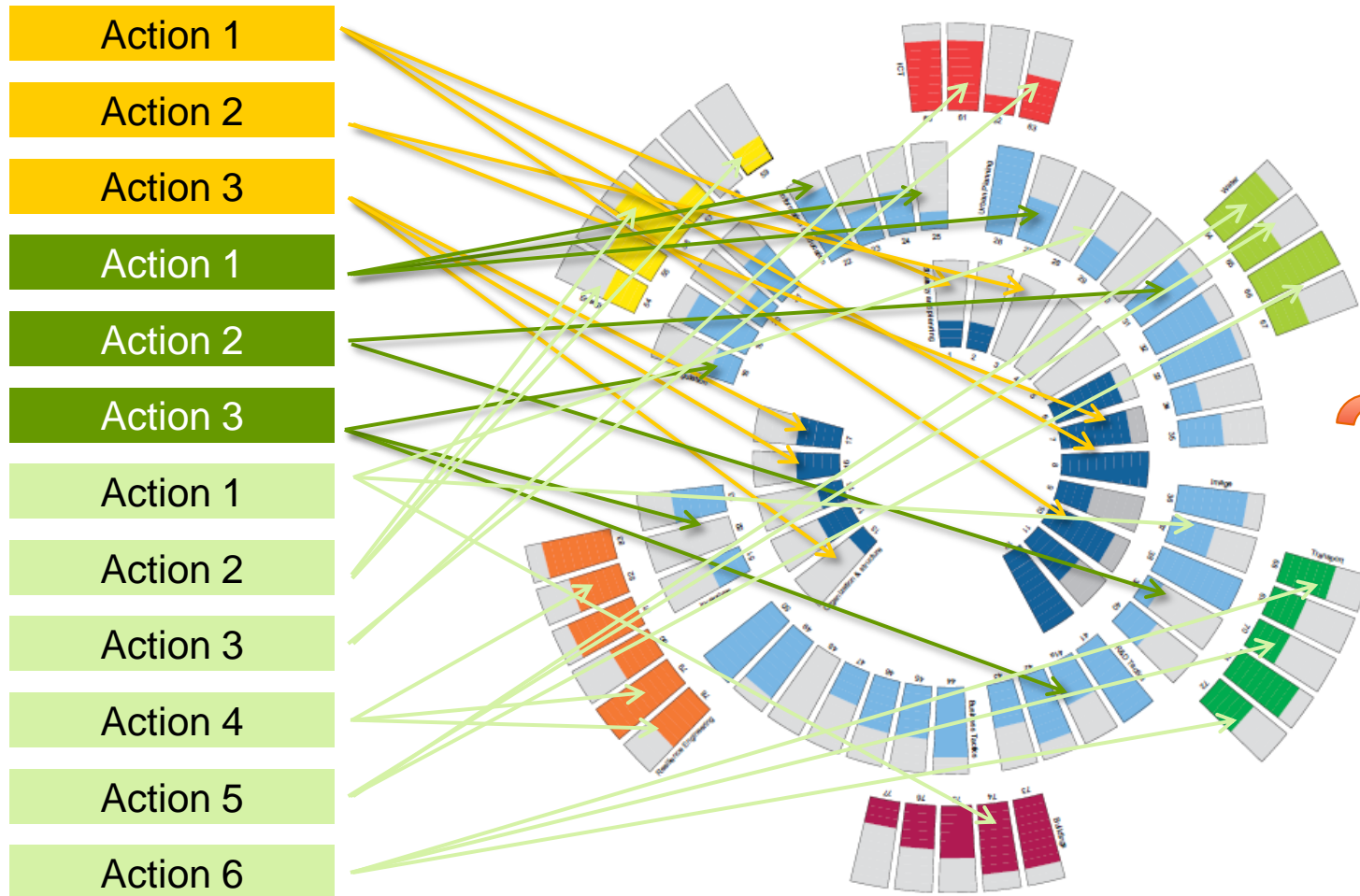
4. Lisbon needs an **overarching vision** with measurable goals



From Analysis to Action

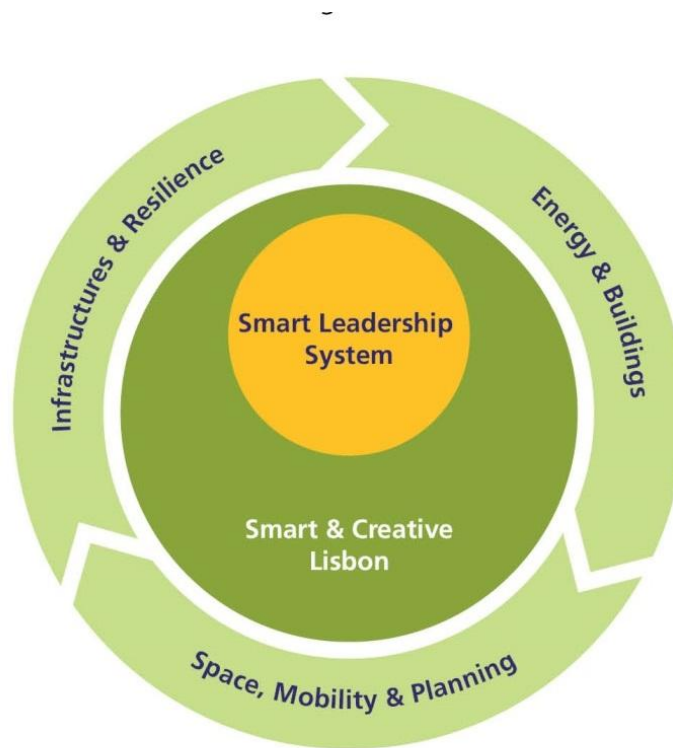


Linking activities to action fields



Three levels of action

- Action 1
- Action 2
- Action 3
- Action 1
- Action 2
- Action 3
- Action 1
- Action 2
- Action 3
- Action 4
- Action 5
- Action 6



- Level 1: Governance
- Level 2: Socio-Economic Strategy
- Level 3: Technologies & Infrastructure

Leadership System & Governance



Lisbon Sustainability Forum



Vision and measurable goals for Lisbon



Neighbourhood sustainability contests

Socio-Economic Strategy



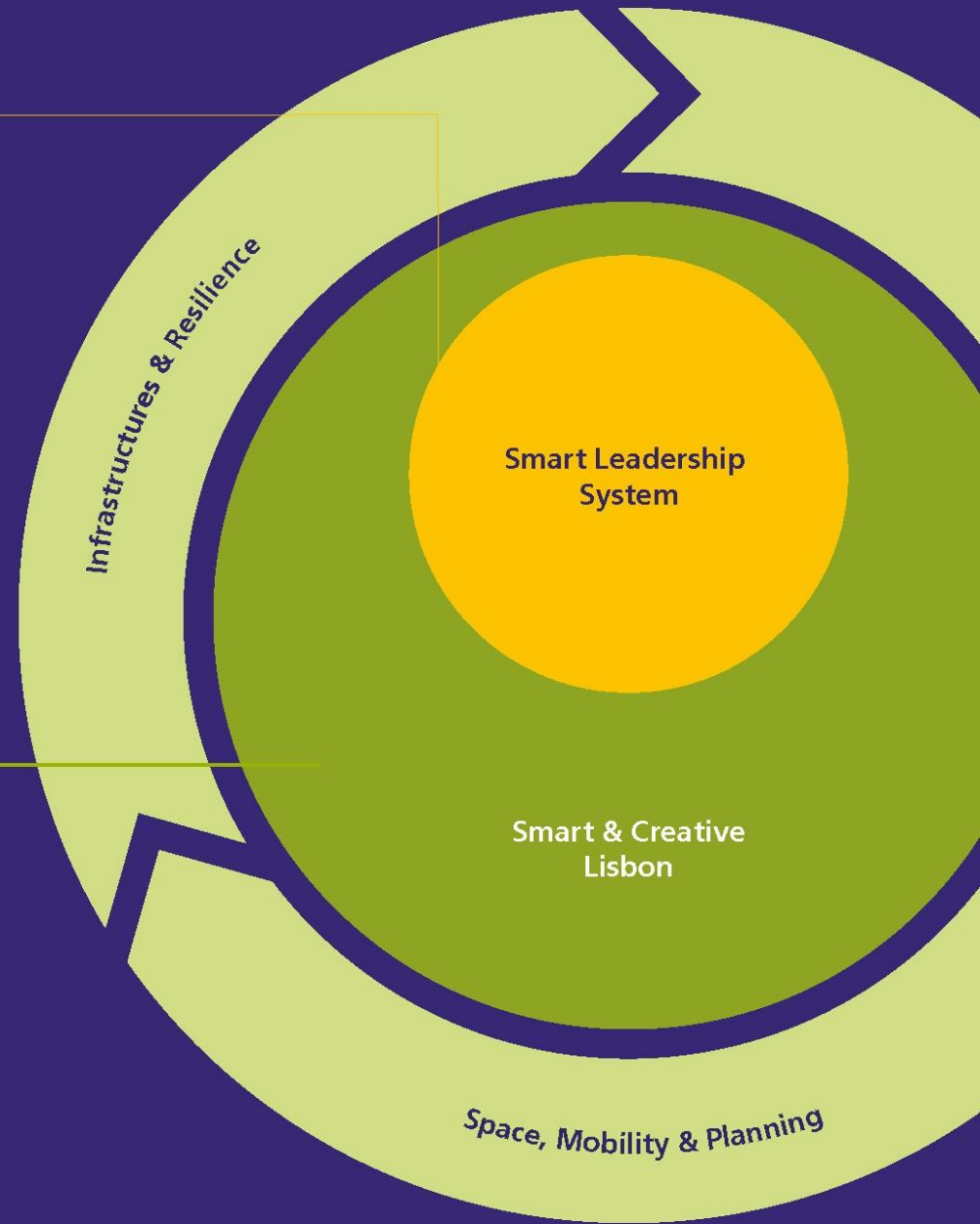
Smart District Lisbon

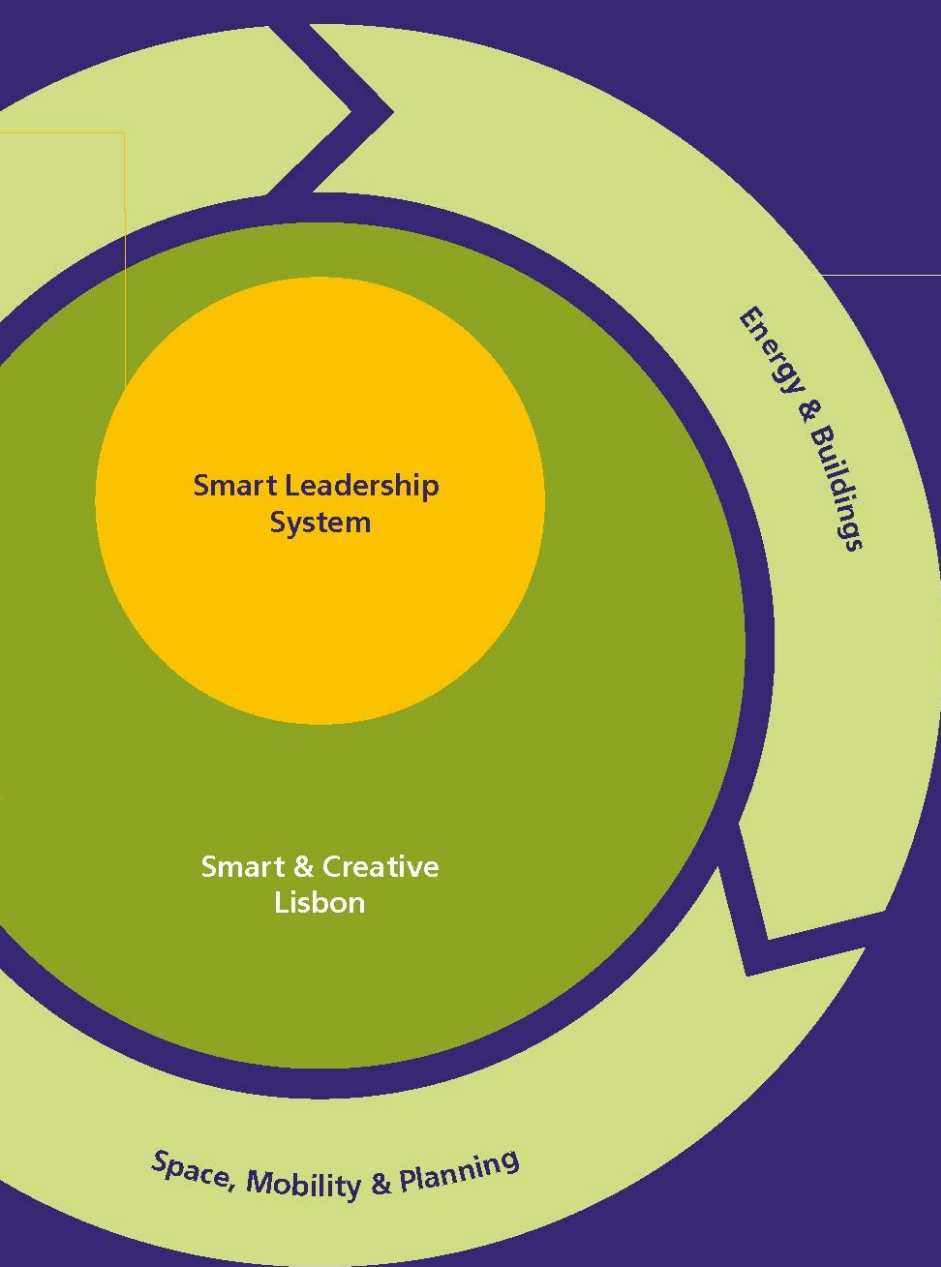


Lisbon Social Innovation Hub



Research cooperation between city, local research institutions, society & local ICT





Technologies and Infrastructure



Extended solar potential maps & business model for energy transition



Closing the urban water cycle



Smart waste management solutions



Upgrade of public lighting network with potential for inclusion of sensor network

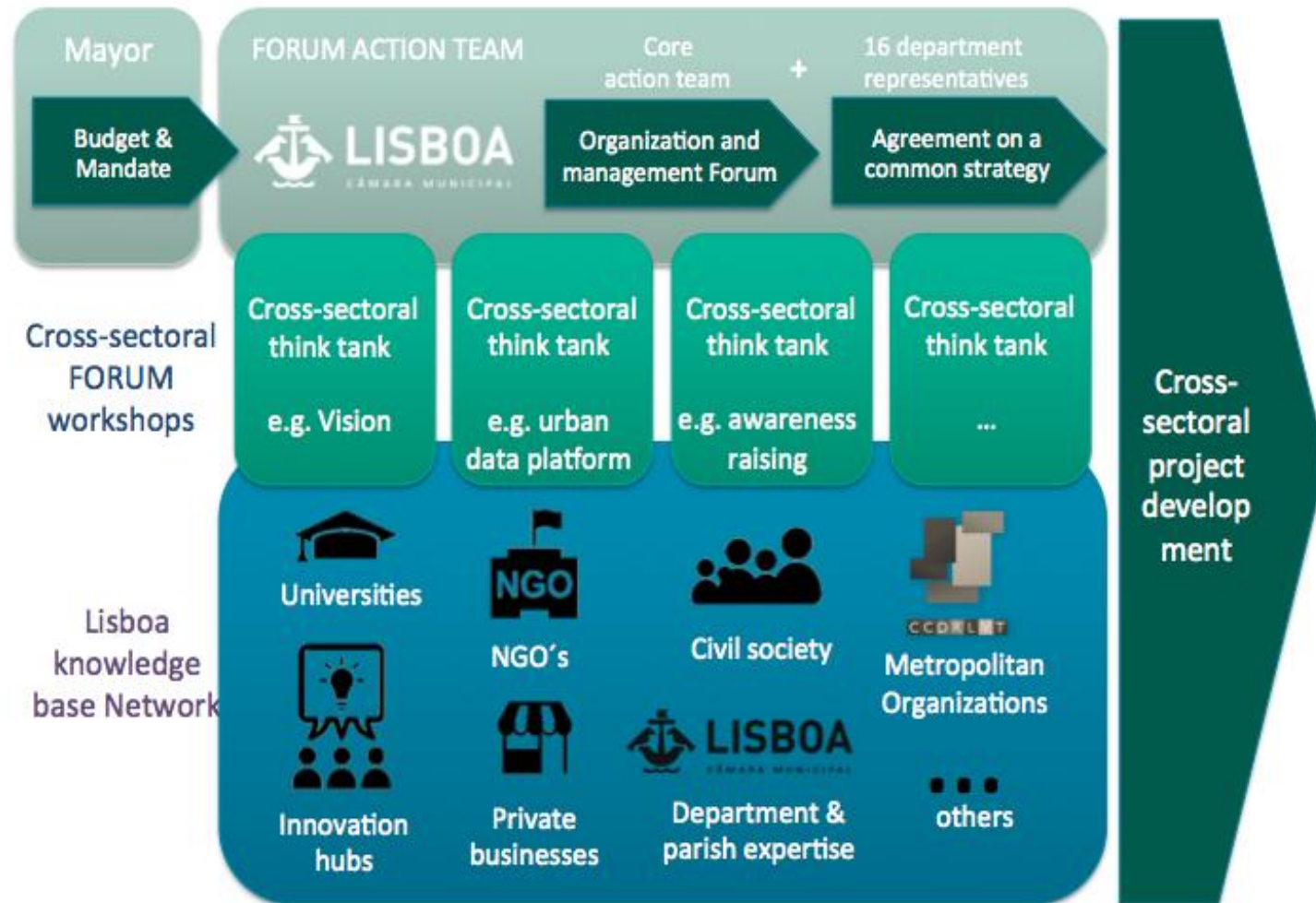


Urban Data Platform



Tool Catalogue for civil protection solutions and applications

Example 1: Lisbon Sustainability Forum



Example 2: Neighbourhood sustainability contest



Example 3: Smart Waste Management



enevo



Thank you!

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...research and solutions for a sustainable world

Random Fun Fact – Raccoons in Germany

