

# Joint Programming Initiative Urban Europe

Towards the pilot phase

# Urban Europe Vision

## **Global Urban Challenges – Joint European Solutions**

Against the backdrop of an increasingly interconnected network of European and international cities, the future of Urban Europe lies in facing urban challenges head-on and subsequently generating European solutions by means of coordinated research. The aim is to create attractive, sustainable and economically viable urban areas, in which European citizens, communities and their surroundings can thrive.

# Mission Urban Europe

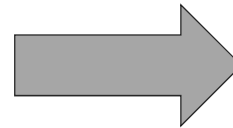
- forward-thinking and long-term oriented, coordinated research and innovation initiative
- integrative, interdisciplinary and horizontal approach across the interfaces of economy, society, transportation, ecology
- interactions between researchers, policy makers, business and civil society
- become recognisable as main EU entry point open to all relevant stakeholders

# Objectives

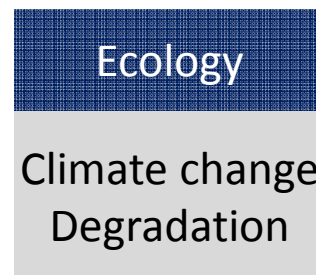
- To establish a world class research environment in Europe for all “City of the Future” developments;
- To create input for radical innovation, technology development and implementation strategies;
- To design tools, models and concepts for technology assessment and dissemination as well as for urban governance and urban management
- To develop policy recommendations for the European Union, its Member states and cities

# Strategic Research Agenda - Process

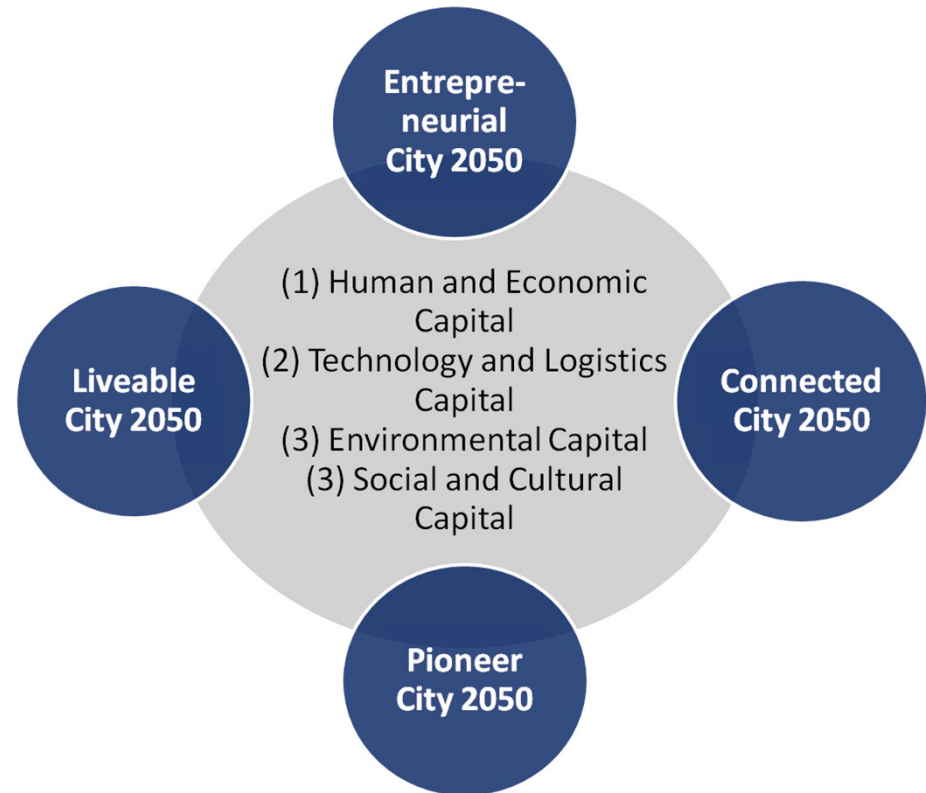
**4 pillars**  
representing challenges



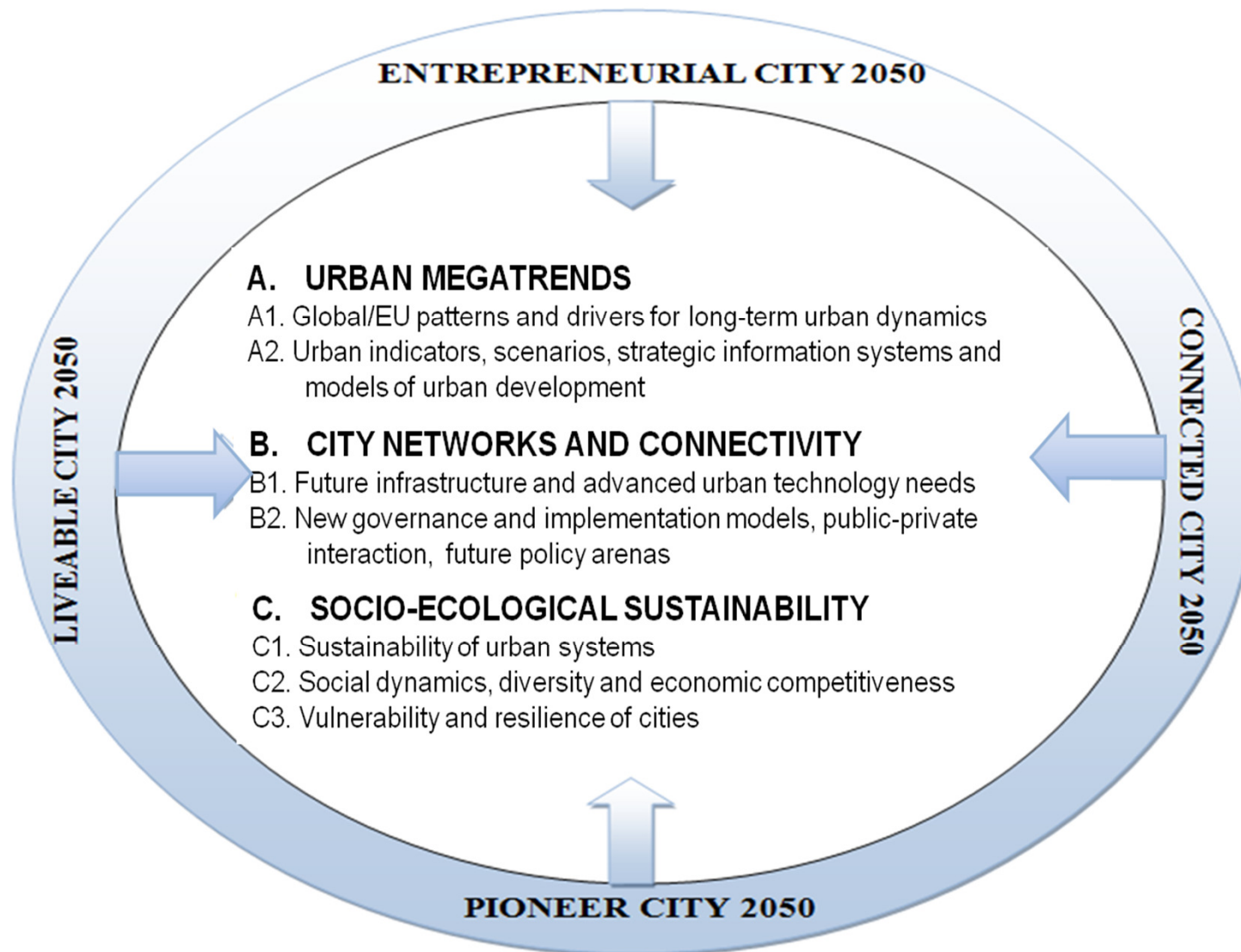
**4 integrated city images**  
representing research demands



Urban Europe Vision & Mission



# Strategic Research Framework



# Outcome

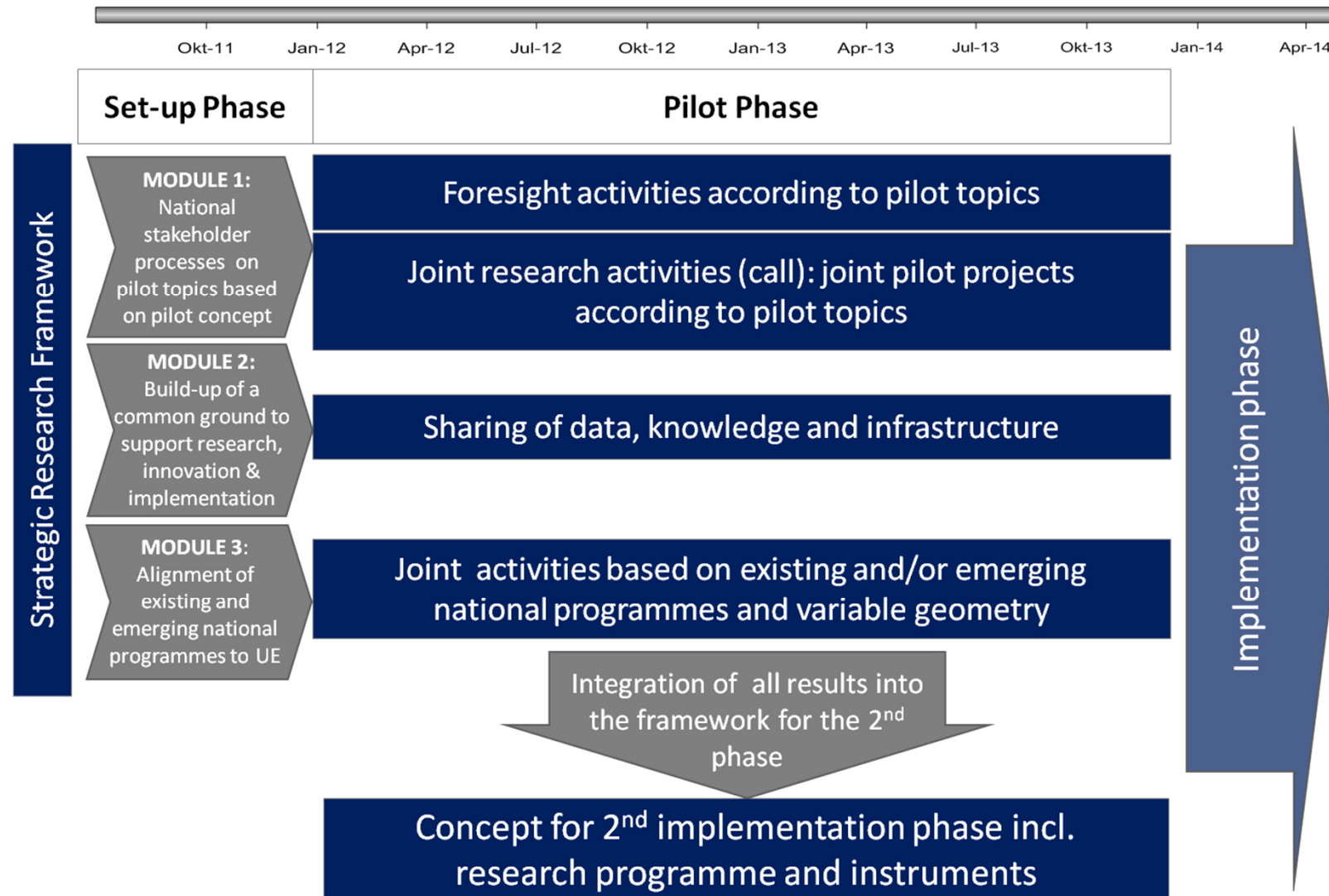
- Common ground and a joint knowledge basis for researchers and stakeholders on urban development processes
- advancing scientific excellence in urban research by following an integrated, synergetic and human-oriented approach
- Tools for policy and decision makers for strengthening European urban areas and creating attractive and sustainable cities

## Objectives Pilot Phase

1. Stock-taking of global trends and drivers
2. Long-term Strategic Research Agenda for 2014 – 2020
3. Key Performance Indicators for the four city images
4. Databases reflecting good practice in pilot and demonstration of new urban technologies and solutions.
5. Strategic research cooperation beyond Europe



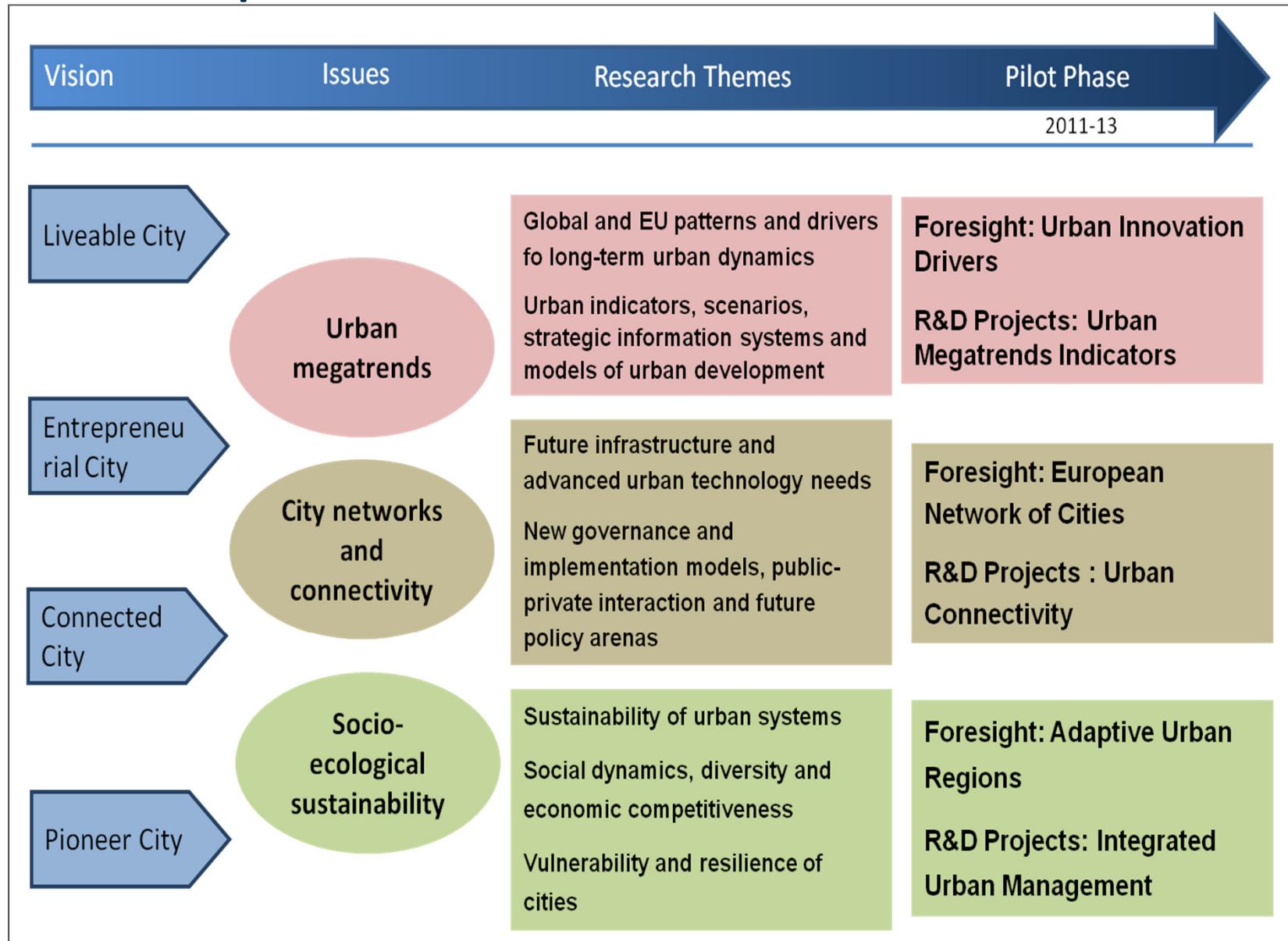
# Pilot Concept



## Pilot concept and its modules

- Which modules are of particular relevance and interest for you?
- Which potential contributions could you make to one or more of the modules?

# Pilot Topics



# Analysis of foresight results

- Based on foresight workshop and analysis of 40 foresight studies
- Main findings:
  - many foresights on cities show a local focus and time horizons up to 2020
  - only few meta-level foresights have been performed addressing urban issues as a challenge per se
  - most existing foresights are mainly dealing with incremental innovation and risk management
  - a systemic perspective on cities as parts of an interactive network is missing in all of the screened foresight activities

## Proposed foresight topics

- Conditions and requirements for radical urban innovations and pioneer cities – Topic: urban innovation drivers
- Understanding the role of cities as part of (international) city-networks - Topic: European networks of cities
- Adaptability of cities and the requirement to manage uncertainties – Topic: adaptive urban regions

## Criteria for pilot topics

- based upon the Strategic Research Framework and its 3 research issues
- address policy issues and provide evidence and new concepts for policy making (quick wins)
- contribute to establishing a common ground and address urgent needs and important knowledge gaps
- provide substantial input for the elaboration of long-term research and innovation roadmaps
- provide recommendations and input for the European Common Strategic Framework
- define research areas for all UE countries and by that allow a link to national and European research efforts

# Topic 1: Urban Megatrend Indicators

Different development patterns of cities are observed and many competing concepts and models of urban development are under debate.

⇒ Balancing drivers and constraints of sustainable urban development:

- Analyse emerging urban development scenarios and models in Europe and world-wide and assessing their potential in preparing sustainable, high quality urban environments
- Identify key drivers of sustainable city development in different models and their interdependencies
- Determine needs for new policy and management concepts and tools for reconciling conflicting aims and trends

## Topic 2: Urban Connectivity

City networks ensure the flow and distribution of goods, energy, water, information etc. as well as the mobility and connectivity of people among and between urban areas.

- ⇒ Securing enhanced and reliable supply and connectivity
- balance opposing developments and conflicting goals regarding urban networks and connectivity
  - understand functions and interactions of various urban networks, and the consequences for an integrated urban management
  - investigate the potential of new urban technologies for improved and/or new networks and connectivity
  - understand and influence behavioural patterns and develop motivators for stakeholder integration



## Topic 3: Integrated Urban Management

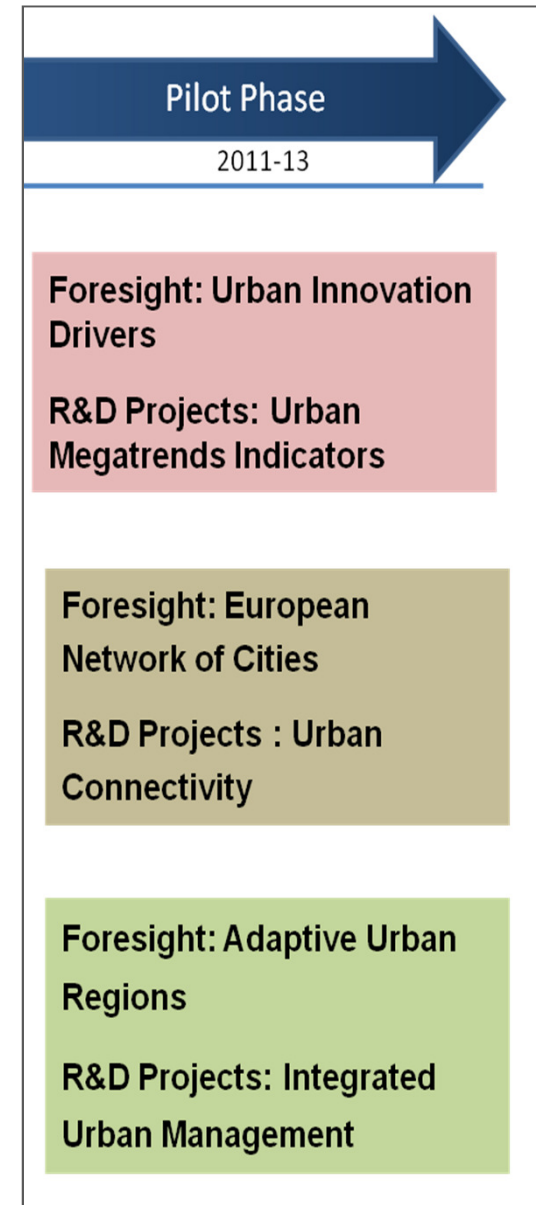
Urban management in the context of diverging goals and the complexity of urban systems

⇒ Preparing multi-dimensional city development

- Balance of different urban qualities to provide liveable, attractive and inspiring urban environments
- Assess management tools and specify further needs for a participatory approach and a successful integration of different dimensions and actors in planning and decision processes
- Improve flexibility and adaptability of urban management for counteracting negative developments and hazards and retain sustainability

# National Engagement

- Pilot concept defines a starting point for joint activities
- National stakeholder engagement for
  - Consideration of national interests and needs
  - Fine tuning and finally decision on the topics
  - Decision on (national) instruments and budgets
- Kick-off of national stakeholder processes to discuss the pilot concept, its topics and instruments



## National interests and activities

- Which existing activities and programmes fit under one of the 3 topics?
- Which research activities or questions would you like to propose in the context of the pilot topics?
- Which research topics are not covered by the pilot concepts but need special attention on the short term?