



# **URBAN EUROPE**

## **Global Challenges – Local Solutions**

### **A European Joint Programming Initiative**

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# European Policy Perspective

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## High visibility for urban issues

### → Large investments in close-to-market R&D&I

- E2B PPP (€ 2bn over 10 years)
- SET-Plan EII SMART CITIES (€ 11bn over 10 years)

### → Innovation Partnership SMART CITIES

- Foreseen under the Flagship Initiative „Innovation Union“
- Focus on smart, liveable cities, combining energy efficiency, clean transport and fast internet:
- Intention to coordinate all European R&D&I efforts related to urban issues, but a concept will only be presented in 2011

### → Joint Programming Initiative Urban Europe

- Member State driven transnational programme to address the challenges of urban development



# Joint Programming

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- Joint Programming was introduced by the European Commission and the European Council in 2008
- Joint Programming is a concept for the creation of **Member State driven** trans-national R&D programmes in Europe
- Joint Programming is one of the five initiatives for implementing the European Research Area (ERA)
- 10 “**grand challenges**” have been selected by the European Council as thematic areas for European trans-national Joint Programmes
- Each Joint Programme is being coordinated by a different member state
- The Joint Programme “Urban Europe” is being developed under the leadership of Austria and the Netherlands



# Urban Europe – Global Challenges

## Society

Ageing  
Segregation

**Resilience**

## Economy

Brain drain  
Stagnation

**Resources**

## Mobility

Congestion  
Emissions

**Efficiency**

## Ecology

Climate change  
Degradation

**Quality of life**



# Urban Europe – Added Value



- **An integrative perspective** understanding and shaping urban future
- Creating feasible **tools for European policy makers**
- **Learning community** – Increasing research on EU level in **efficiency** and **comprehensiveness**
- An **opportunity to explore solutions** to challenges which lie **far ahead**



# Urban Europe – Joining Forces

## 13 participating countries

Austria, The Netherlands,  
Denmark, Finland, France,  
Germany, Ireland, Italy, Malta,  
Spain, Sweden, Switzerland,  
Turkey



## 40 institutions

from 17 countries  
involved in proposal  
development

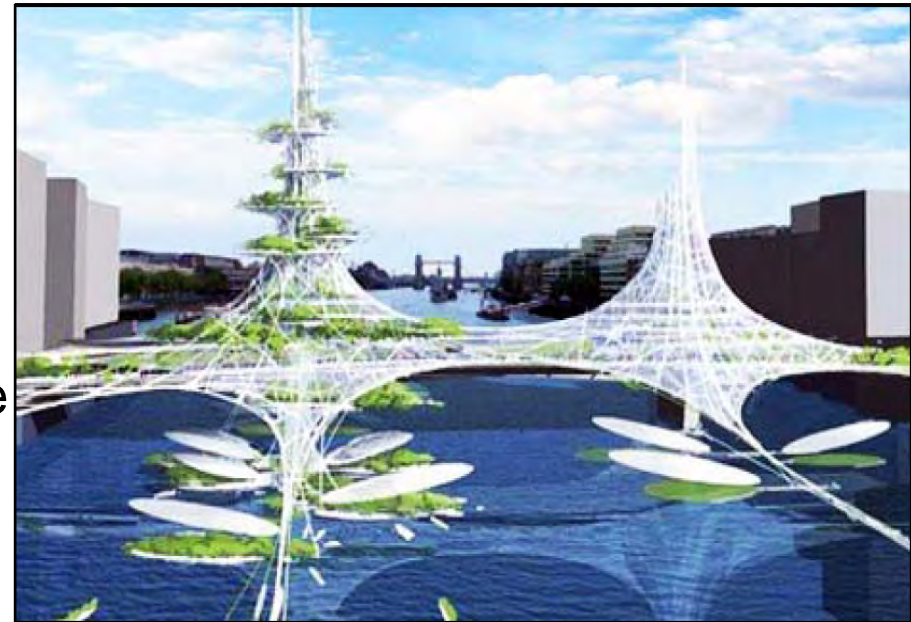




# Urban Europe – Creating Complementary Approaches

## Initiatives Involved

- ERA-net “urban-net”
- European Energy Research Alliance (EERA)
- Trans European Transport Networks (TEN-T)
- ERA-net “transport”
- The Freight Logistics Package 2007
- European Construction Technology Platform (ECTP)
- POLIS
- ...



**Taking care to not double up existing R&D&I activities**

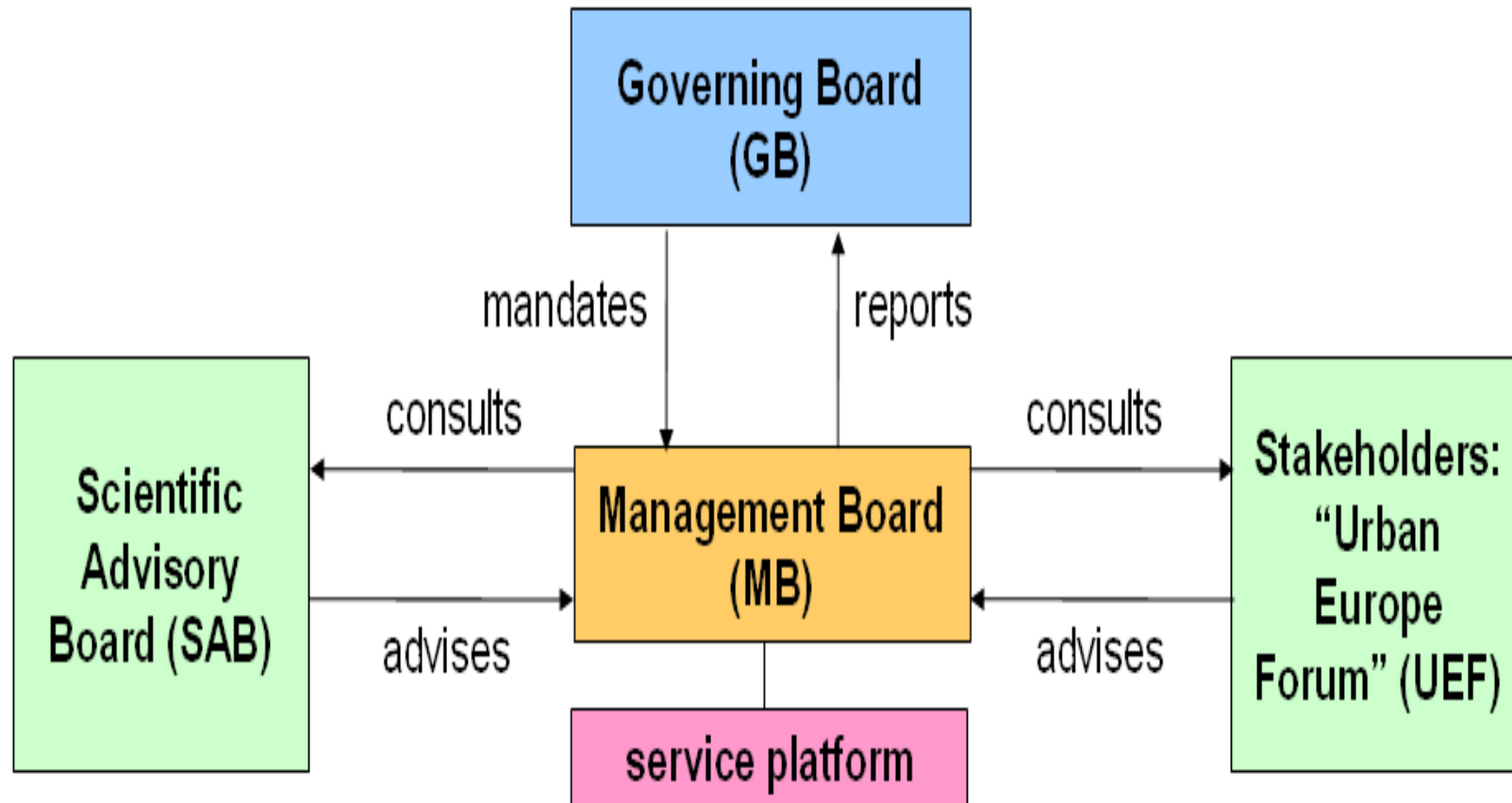


## Urban Europe – the way forward





# Urban Europe: Governance Model





# Governance Structure

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- ✓ Governing Board (GB)
  - overall political, strategic and financial orientation
  - core group countries and the interested countries
- ✓ Management Board (MB)
  - funding structure, application procedures, monitoring and evaluation processes, working and communication methods
- ✓ Scientific Advisory Board (SAB) and Urban Europe Forum (UEF)
  - Input for strategic research agenda
  - Support of the JPI



# Smart Cities and Urban Europe

## Urban Europe (JPI)

Focus on societal and technological foresight

Challenges:

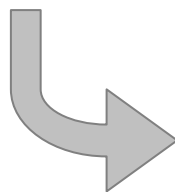
- Society (ageing, segregation, ..)
- Mobility (emissions, congestion, ..)
- Economy (stagnation, brain drain, ..)
- Ecology (climate change, degradation, ..)

## Smart Cities (SET-Plan EII)

Starting point: sustainable building and living

Challenges:

- Energy efficient buildings
- Renewables for heating and cooling
- Smart grids between buildings (electricity and heating)
- Transport systems



### **Synergy:**

Technological development in new buildings and renovation, intelligent energy systems and grids; transport systems with e-mobility





# Urban Europe – Next Steps

- Adoption of governing and supporting bodies (12/2010)
- Development of a Urban Europe Vision (12/2010)
- Development of the SRA (April 2011)
- Development of framework conditions for scientific cooperation and funding (April 2011)
- First calls for proposals (end of 2011)





European Research Area

# Thank you for your attention!

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