

Joint Programming Initiative Urban Europe

Overview of programme

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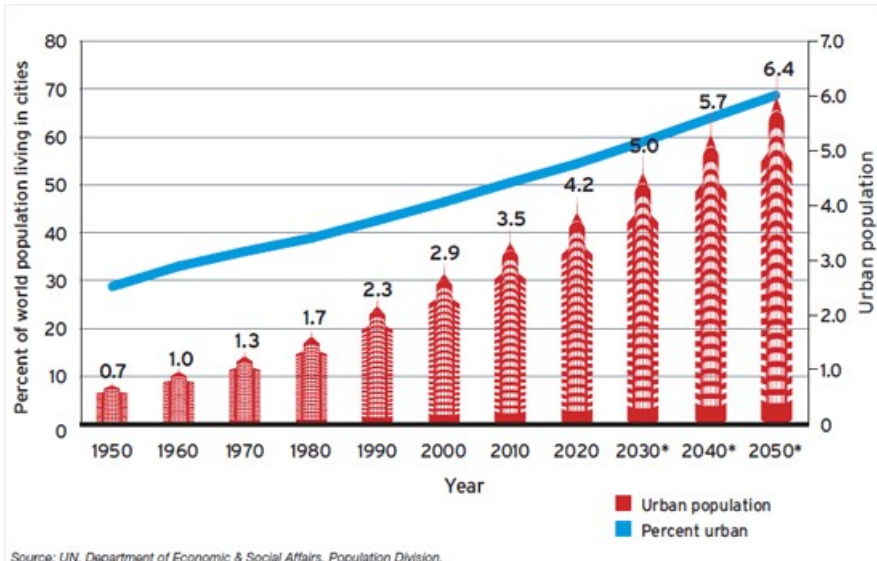
Joint Programming Initiatives Conference

18 April 2013, Tallinn

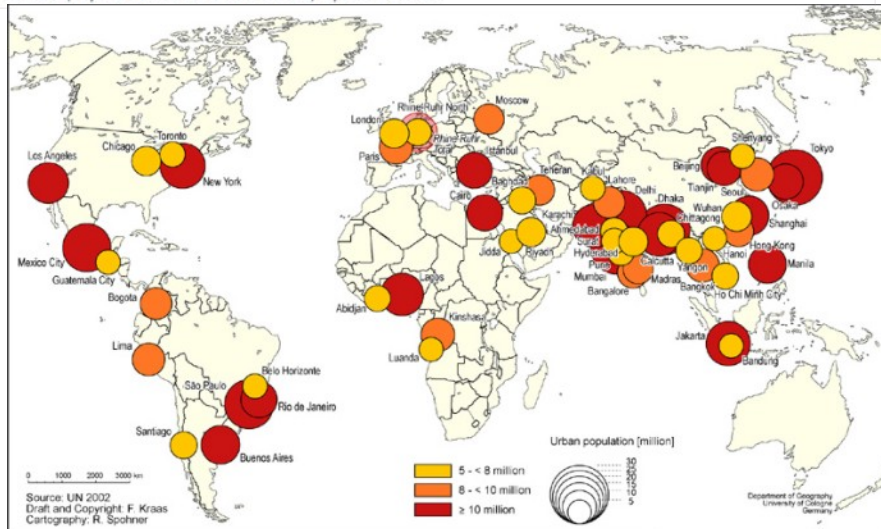
Overview of Presentation

- Urbanisation as a grand challenge
- The cross-cutting nature of urbanisation RDI
- Organisational set-up of the JPI Urban Europe
- Vision, mission and objectives
- RDI agenda and pilot phase
- Future developments

The world keeps urbanising



Source: UN, Department of Economic & Social Affairs, Population Division.



The world is increasingly urban
 More than half of the world population, and two thirds of the Europeans, live in cities
 An even greater share of the economic output come from cities
 The city has become the de facto standard organisation of life and economies

Cities in Europe are different

Typically smaller than in
US & China

A larger share of our population lives in
small and medium sized cities

Slow or stagnant growth

The smallest cities get smaller

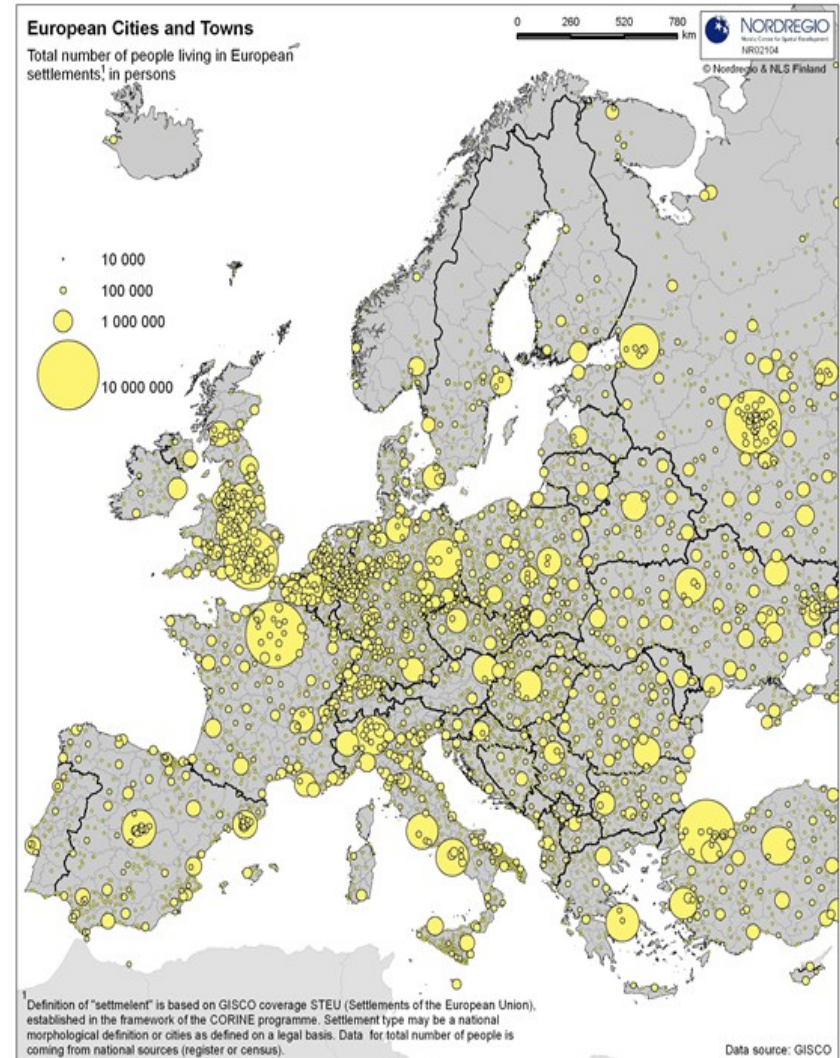
The wealthiest are mid sized

Migration mainly city-city

Cultural heritage important

**Still, most research on cities is based
on US cities.**

**European urban policy development
has only a weak connection to urban
research.**



Grand challenges



Urbanisation is tightly connected to many other societal challenges

Cities are in many cases simultaneously the cause of, the first victim of, and the source of the solution to these challenges



Innovation in the Urban Space



Cities are among the most prominent investors of our economies, and the largest spenders of public money

Urban infrastructures are costly and last beyond generations

Cities are engaged in a worldwide competition for productivity, resources, quality of life, and the “best brains”.

Needs of modern urban development:

A tailor-made holistic vision of the city, supported by all stakeholders

Transition management in moving from the status quo to the new vision

Integrated planning

Radical innovation and deployment of modern appropriate technologies

Vision of the JPI Urban Europe

**“Global Urban Challenges
– Joint European
Solutions”**

Mission of the JPI Urban Europe

Urban Europe

- represents a forward-thinking and **long-term oriented**, coordinated research and innovation initiative to shape urban development in times of a global shift.
- is an **integrative, interdisciplinary and horizontal approach across the interfaces of economy, society, mobility, and ecology**, serving society by raising public awareness and acceptance, and consequently putting expertise into practice.
- promotes intensive **interactions between researchers, policy makers, business and civil society**, resulting in an innovative and impact-oriented approach.
- endeavours to **become recognisable as an EU entry point** open

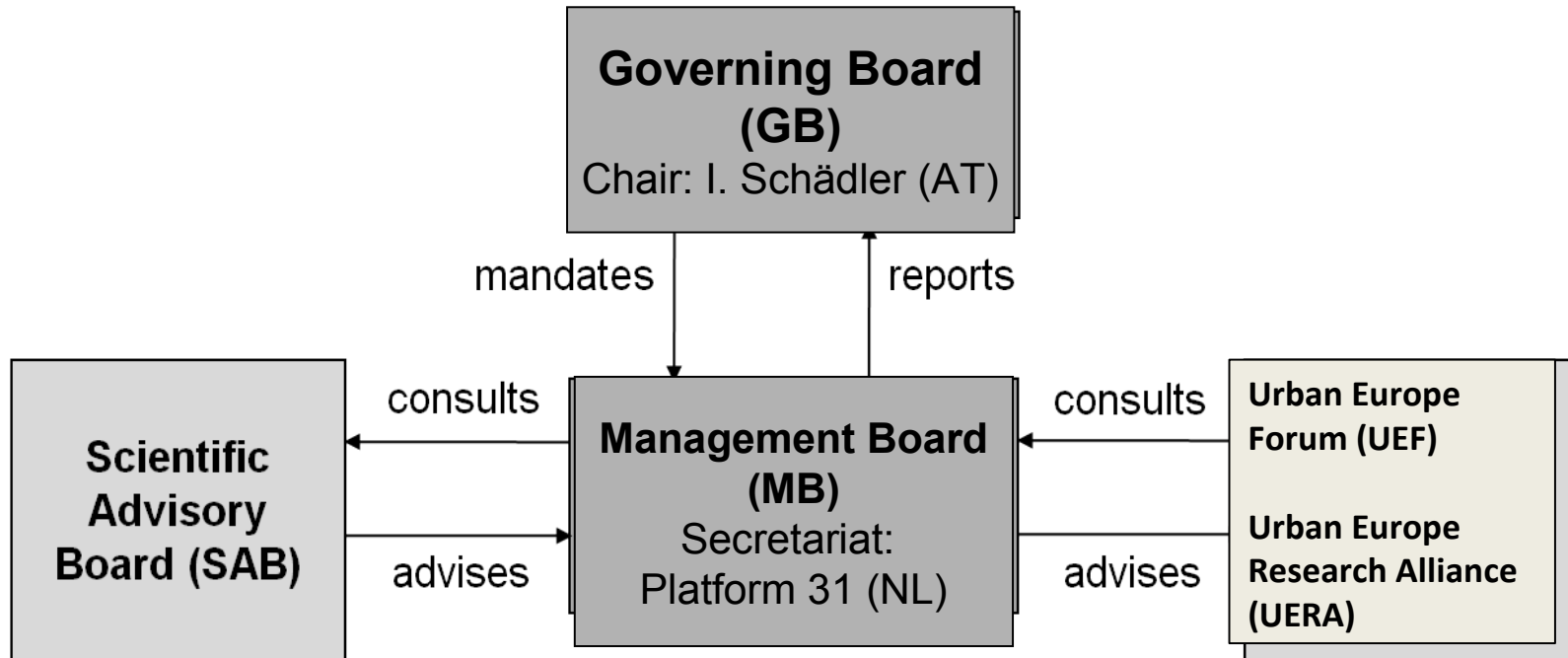
Objectives of the JPI Urban Europe

- To establish a **world class research environment** in Europe for all “City of the Future” developments;
- Based on relevant scenarios and patterns, 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

Principles for JPI Urban Europe

1. Relate to the grand challenges, both in their role of external influence and as something to be addressed
2. Connect research, policy making, and practice, to **maximise user take-up and societal impact**
3. **Embrace complexity** and cross sectorial interdependence
4. Capture the **European aspects of cities**
5. Promote **inter-disciplinarity** and **trans-disciplinarity** where needed
6. Take a **long term perspective** – 20-50 years into the future
7. Build on the tangible benefits of European cooperation
8. Complement –not duplicate– existing programmes
9. **Promote research that has the potential of becoming evidence based policy advice**

Governance Structure



Participants: 16 Member States and Associated States (in alphabetical order): Austria, Belgium, Cyprus, Denmark, Finland, France, Ireland, Italy, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Turkey, and UK
 Portugal, Spain, and UK are observers (status: April 2013)

Pilot Phase of the JPI Urban Europe



Expected Outcome of the Pilot Phase

1. Common ground and understanding of key drivers and trends of urbanisation;
2. First joint activities based on variable geometry in alignment with the Strategic Research Framework (SRF) of the JPI Urban Europe;
3. A Long-term Strategic Research and Innovation Agenda (SRIA) as a basis for R&D roadmaps and programmes, funding and implementation concepts of the JPI Urban Europe for 2014 – 2020;
4. Establishment of a Urban Europe Research Alliance, uniting European RTOs and universities in the implementation of the SRA of Urban Europe;
5. First strategic research projects based on joint calls and the work of the Urban Europe Research Alliance;
6. New Databases and Key Performance Indicators for urban development;

Forward-looking project:

Urban Megatrends – the world of cities in 2050

Investigation of the main urban trends, their interdependencies and consequences for urban development on a global scale

Identification of new or changed requirements for future urban design and development

Special emphasis needs to be put on the challenges for and opportunities of European urban areas to sustainably transform European urban areas into socially, economically and ecologically balanced and competitive ones

Identification of the main research needs and provide specific input for new urban governance.

Results: high-level report, scenarios, research & innovation demands, strategic input for the long-term research programme

What we are doing right now

Working with our study of Urban Megatrends finalised in early 2013

Evaluating results from our first Call for Proposals (call closed September 2012)

Preparing our second Call for proposals (Call open 2013)

Helping funding agencies to identify opportunities for synergies in their upcoming programmes related to urban RDI (alignment of national programmes)

Hosting a track at the EURA 2012 and 2013 conferences (on-going)

Initiating an Urban Europe Research Alliance (2013)

Hosting scientific workshops (on-going)

Preparing a Scientific Research and Innovation Agenda, and future calls

Preparing a joint EU-China workshop on urbanisation RDI for end of May 2013

Engaging in the EIP Smart Cities and Communities, working on a Strategic Implementation Plan together with Cities and Industry

Joint Calls of the JPI Urban Europe

Principles:

Integration of multiple challenges

Cross sectoral

Multi-disciplinary

Human-centered, systems approach

Basic research – Applied research – Implementation

Scientific excellence – relevance for cities and industry

Joint Call Themes 2012-2013

1. Urban Complexity
2. Urban Adaptability and Proficiency
3. Urban Diversity and Social Cohesion
4. Urban Technologies and Networks
5. Urban indicators and standardisations

Mid-term Activities of the JPI Urban Europe

Strategic Research and Implementation Agenda and Work Plan 2014 – 2020

Collaboration structures with actors in RDI (UERA) and implementation (cities, planning cluster)

On-going cooperation with H2020 (ERA-NET Plus)

Development of solution proposals for the urban megatrends in Europe, and beyond

Partnership with European cities and industries in the context of the EIP Smart Cities and Communities

International partnerships for joint solutions for urban challenges in

Ways for Countries to Participate

1. Via full membership
 - Send a national delegate to the Governing Board (GB)
 - Annual fee: € 5.000
 - Voting rights in the Governing Board
1. Via the Urban Europe Research Alliance
 - Participation of national research institution(s) in UERA
 - No funding obligations
1. Via co-funding of individual joint calls
 - Co-funding will be on the basis of the virtual common pot model (each country funds only their national participants in successful transnational proposals)
 - Co-funding can be done for only one or several calls
1. Via in-kind contributions
 - Hosting meetings of the JPI Urban Europe
 - Providing staff for the Management Board or the Programme Office (secretariat)
 - (Co-)funding studies or other research work for the JPI

Urban Europe – Contact Points

Contact (Management Board):

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- Austrian Ministry of Science and Research
- Dutch Ministry of Infrastructure and the Environment

Thank you for your attention!

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