Era-Net cofund Smart Urban Futures

Matchmaking day

Paris, 19th January 2016

Joint Programming Initiative (JPI) Urban Europe

URBAN EUROPE

JPI Urban Europe
EUROPEAN HUB FOR URBAN RESEARCH

20 European countries participating and contributing

Goal Strengthen research and innovation in the urbanisation field

Core members

Austria, Belgium, Cyprus, Denmark, Finland, France, Italy, Netherlands, Norway, Sweden, United Kingdom
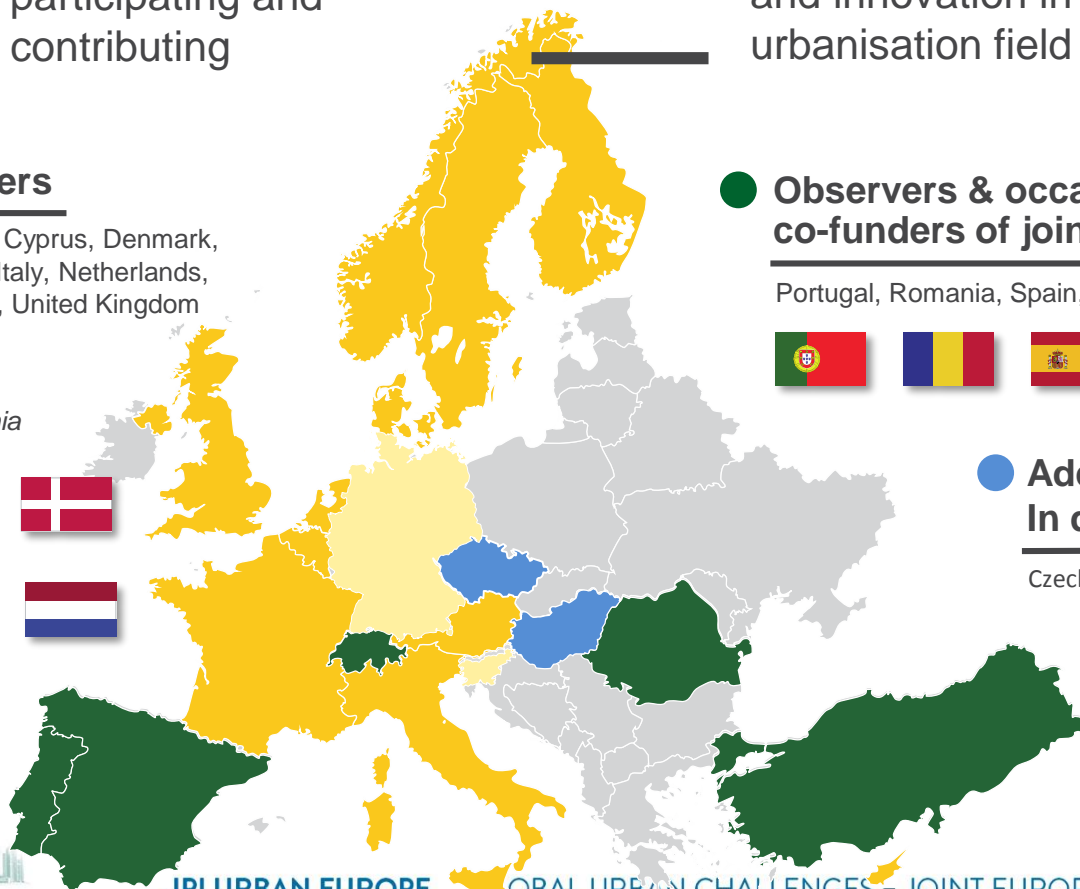
New Members: Germany, Slovenia

Observers & occasional co-funders of joint calls

Portugal, Romania, Spain, Switzerland, Turkey

Additional partners In dissemination

Czech Republic; Hungary

JPI URBAN EUROPE — GLOBAL URBAN CHALLENGES – JOINT EUROPEAN SOLUTIONS

JPI Urban Europe
Ambition

The JPI Urban Europe is a transnational, mission-oriented, forward-looking research and innovation initiative on sustainable urban development. Its ambition is:

- to provide evidence for new urban policies and strategies and by that enhancing cities' capacities for transition

- to address urban development and sustainability in its complexity and generating radical new knowledge and concepts to tackle the urban challenges (*cross-sectoral, interdisciplinary*)

- to team up with cities and urban stakeholders of all kinds to enhance the impact of our research and support the exploitation of technological and social innovation (*transdisciplinary, focus on societal impact*)
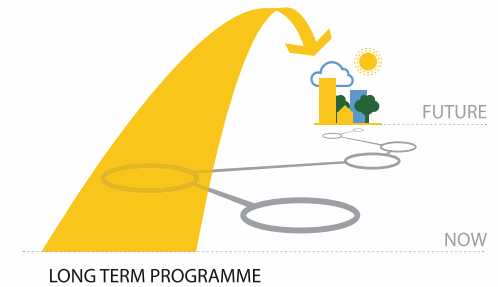

FUTURE

TRANSDISCIPLINARY

Transition towards sustainable and liveable urban futures

Targets
Data
Monitoring

Policy Interventions
and Instruments

Scenario's
Strategies

Vibrant Urban
Economies

Welfare
& Finance

Urban Environmental
Resilience

Accessibility
& Connectivity

Governance
& Participation

Thematical
Priorities

Methodological
Innovation and
Transition
Pathways

Decision making
Action

Pathways
Transition Processes
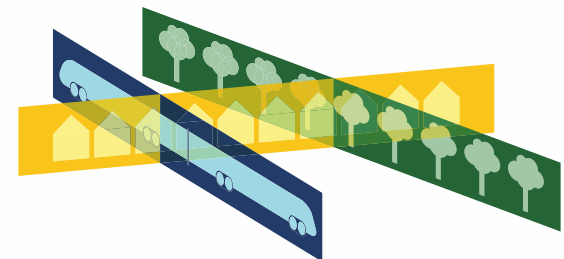
Sustainable
and liveable
cities

SRIA: A new paradigm in urban research and innovation

- Enhancing cities' capacities for transition

- Tackling the complexity of urban development and sustainability

- Teaming up with cities and urban stakeholders

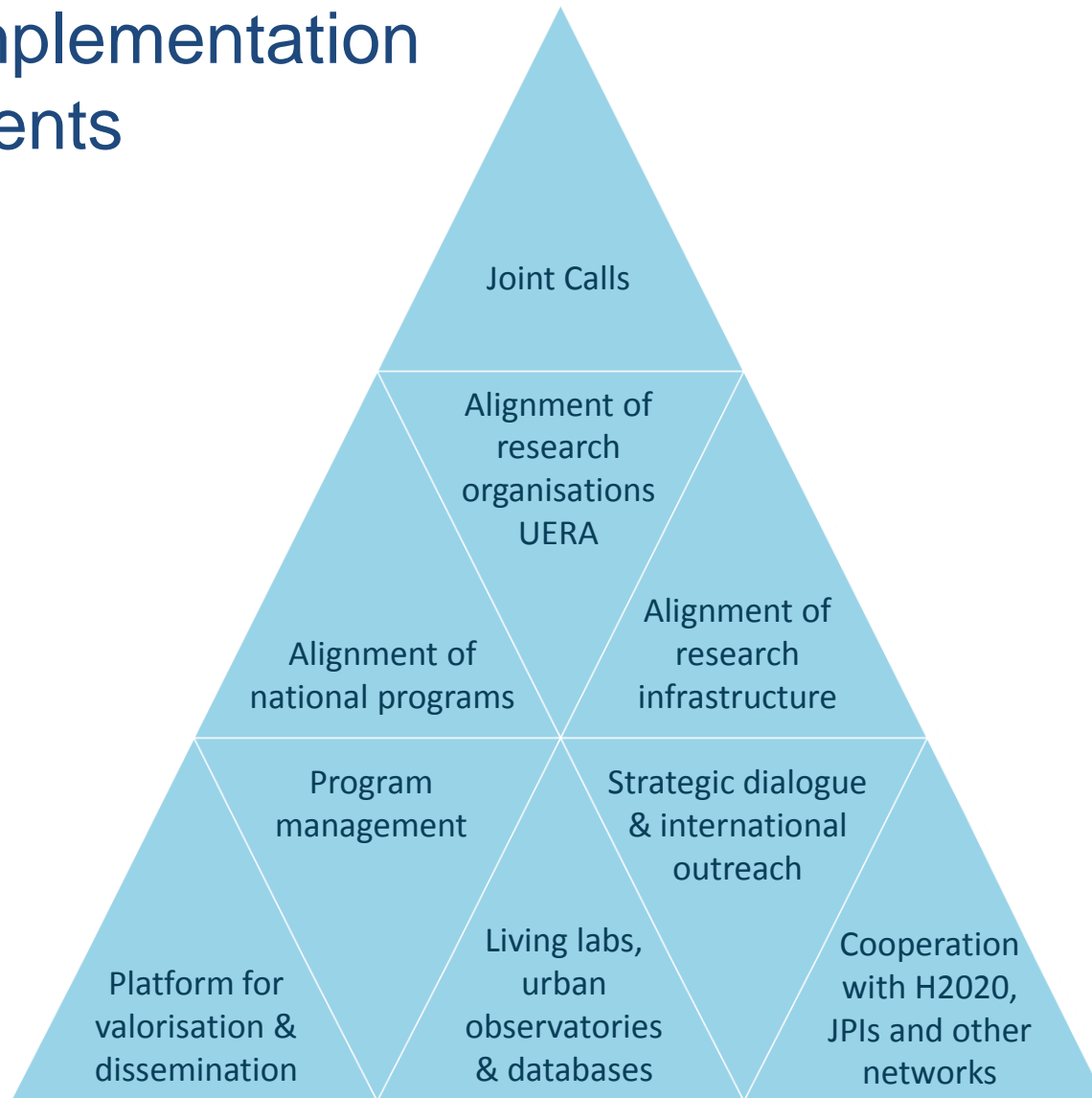- Raising the impact and supporting the exploitation of technological and social innovation

FUTURE

NOW

LONG TERM PROGRAMME

INTERDISCIPLINARY

CROSS SECTORAL

SRIA Implementation Instruments

URBAN EUROPE

Joint Calls

Alignment of research organisations UERA

Alignment of national programs

Alignment of research infrastructure

Program management

Strategic dialogue & international outreach

Platform for valorisation & dissemination

Living labs, urban observatories & databases

Cooperation with H2020, JPIs and other networks

JPI URBAN EUROPE GLOBAL URBAN CHALLENGES – JOINT EUROPEAN SOLUTIONS

Pilot call I

- 2012 September: 56 transnational project proposals

- 10 selected

- > €9m in total budget

- Centering on three themes:
  - Urban diversity and social cohesion
  - Urban systems and networks
  - Governance of complex urban systems

- Six countries' funding agencies collaborate

JOINT CALL FOR PROPOSALS
2012

"Urban Europe – creating attractive, sustainable and economically viable urban areas"

1st Joint Call for Proposals
Joint Programming Initiative URBAN EUROPE

Submission deadline:
18th of September 2012 at 12:00 CET

Pilot call II

- 2013 September: 145 transnational project pre-proposals

- 2014 January: 36 proposals

- 2014 May/September: 10 projects selected

- > €10m in total budget

- Centering around two themes:

  - Governance of urban complexity

  - Urban vulnerability, adaptability, and resilience
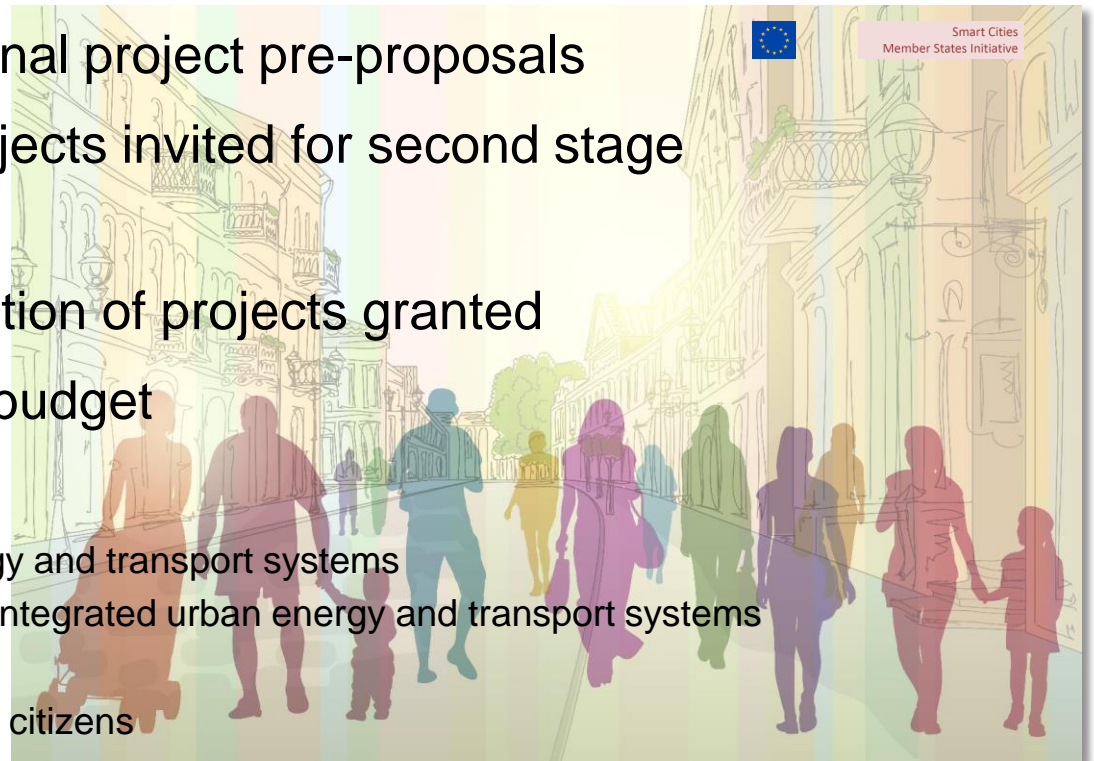
- 10 countries' funding agencies collaborate

URBAN EUROPE
Joint Programming Initiative

JOINT CALL FOR PROPOSALS
2013

Urban Europe
creating attractive, sustainable and
economically viable urban areas

ERA-NET Cofund Smart Cities and Communities (ENSCC)

- 2015 April: 79 transnational project pre-proposals

- 2015 September: 39 projects invited for second stage proposals

- 2015 November: publication of projects granted

- €26m in estimated total budget

- Themes:
  - Smart integrated urban energy and transport systems
  - Smart tools and services for integrated urban energy and transport systems
  - Smart data, big data
  - Smart governance and smart citizens

- 12 countries' funding agencies collaborate

Smart Cities
Member States Initiative

SRIA Multi-annual Call Agenda

- ## 2015 ENSUF
  - Investigating transition towards new models of urban development *reinforcing* European cities as hubs of innovation, co-creation and centers of job creation

- ## 2016 Urban Nexus
  - Develop and support new strategies, knowledge platforms based on the food-energy-water nexus to accelerate transitions to urban sustainable consumption and production, develop goals, targets, and policy solutions for sustainable urbanisation including equity issues and local-to-global/cross scale dynamics

CALL AGENDA

	OBJECTIVES	FOCUS AREA
2015 ERANET Smart Urban Futures	Investigating transition towards new models of urban development *reinforcing* European cities as hubs of innovation, co-creation and centers of job creation	• Establishment of urban innovation ecosystems with particular regard to new dynamics of public services and inclusive and vibrant urban communities • Investigating concepts and strategies for urban transformation considering different urban scales in growth and shrinkage scenarios
2016 Urban Nexus	Develop and support new strategies, knowledge platforms based on the food-energy-water nexus to accelerate transitions to urban sustainable consumption and production, develop goals, targets, and policy solutions for sustainable urbanisation including equity issues and local-to-global/cross scale dynamics	Integrated approach for defining and rating urban sustainability within the realms of: • Financial instruments • Governance and social innovation for ecosystem services • Agglomeration dynamics :green urban economies / circular economies to foster sustainable production and consumption patterns for driving social cohesion • Resilient urban systems' engineering • Resilient mobility systems
2017 Urban Accessibility and Governance	Paving the way towards sustainable transition by developing tools and strategies to enhance the accessibility of infrastructure, services and urban amenities considering sustainable mobility sytems, inclusive welfare, people's needs and the dynamics of cross-city/district cooperation	• Targets and tools for transition pathways: - New public-private cooperation models - Tools and adaptive governance for climate change and big events • Investigating accessibility and connectivity - Considering the dynamics of polycentric cities - Urban connectivity and its economic benefit - Role of participatory devices - integrated mobility systems
2018 Quality of urban Life	Improvement of the quality of life through social innovation, new matrix for sustainable city performance, decarbonising urban areas and tapping on the potential of migration	• characterising sustainable urban performance • social innovation for improving the quality of life, fostering decarbonisation and reducing the societal impact • potential of migration for urban economic and welfare development • increasing the quality of life by connecting neighbourhoods
2019 Urban Transitions	Designing integrated strategies and pathways considering new financing schemes for resilient infrastructure, participatory governance and economic transition.	• Experimentation and living labs for for detailed transition strategies for economic and economic transition • Identification of challenges to be overcome for full-scale transition
2020 Sustainable Urban Areas	Integrated urban modelling and decision making frameworks to accelerate sustainable urban development on various scales	• policy interventions • scaleable models (from small to big, from local to regional, from short to long term)

Alignment Actions

- Joint solution for policy alignment:
  - interoperability of national rules for funding and executing research

- Joint solution for programmes alignment:
  - national/international programmes and structural funds

- Alignment of research infrastructures

- Alignment of research organisations: UERA

UERA - Urban Europe Research Alliance

UERA is a **network of research organizations and universities** concerned with international cooperation in the field of urban research and innovation, aiming at

- Strengthening and enhancing scientific and technological research and innovation in the urban context.

- Developing a holistic approach to create attractive, sustainable, livable and economically viable urban areas (interdisplinarity).

- Establish a large scale, long term, international research and development programme
  - Dedicated to urban development (implementation of SRIA)
  - From basic research to implementation of solutions (transdisciplinarity)
  - Towards a co-creative approach with the different stakeholders.

URBAN EUROPE

Strategy

SRIA implementation articulated around 3 pillars

ACADEMY	CAMPFIRE	MARKET PLACE

• UERA symposium around SRIA
 	
• Teaching programmes
  • Summer schools
  • European masters
  • Joint PhD programs
 	
• Publications (Journal, books, …)
	• Thematic working groups (TWG)
	
	• Partnership with initiatives (EERA)
	
	• Contribution to RDI policy/prog./calls
	
	• Development of framework conditions and new instruments
		• Sharing and development of research infrastructures
		
		• Multidisciplinary projects
		
		• Experts and staff exhanges

Governance

UERA potential members

- ➤ 37 research organisations from 13 countries
- ➤ Austria (2), Belgium (2), Cyprus (1), Denmark (1), Finland (3), France (7), Germany (4), Italy (2), Netherlands (2), Norway (5), Spain (3), Sweden (4) and United Kingdom (1).

A light governance structure

- ➤ General Assemby (with *Chairperson*)
  - • Decision body
  - • Representatives of UERA members (one member, one vote)
- ➤ Steering Board (*with UERA coordinator*)
  - • Executive body: UERA Strategy & Roadmap management
  - • Report to the Assembly
- ➤ Secretariat (organisation and communication)

ENSUF matchmaking day

AGENDA
10:30 - 11:30 **Room 3007** — **Era-Net Cofund Smart Urban Futures call: presentation**   Pascal Bain, ANR - National Research Agency
11:30 - 12:30 **Room 3007, 3103** — **Presentation of participants** *(competences, subjects of interest)*   - Topic 1 or 2 or 3: **Room 3103**   - Transversal approach: **Rooms 3007**   -> Short oral presentations (4 minutes) from each participant
12:30 - 13:30 — **Lunch** *(at the restaurant of IFSTTAR, 5mn walk)*
13:30 - 14:30 **Room 3007, 3103** — **Presentation of participants** (continuation)
14:30 - 15:00 — **Coffee break**
15:00 - 16:30 **Rooms 3007, 3103, 3105** — **3working groups** *(key questions to commit, project proposals, …)*   - Topic 1: **Room 3103**   - Topic 2&3: **Room 3105**   - Pure transversal approach: **Rooms 3007**

Thank you!

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