

7th Framework Programme



**European Commission
DG Research & Innovation
FP7 - Cooperation - Environment**

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Work Programme 2012

COOPERATION Theme 6 Environment (including climate change)

**European Commission, DG
Research & Innovation
FP7 - Cooperation - Environment**

WP 2012

WP 2012 takes into account the European Research Area (ERA) objectives and recent major EU policy initiatives such as the Flagship Initiatives on Innovation Union and Resource Efficiency.

WP 2012

Main elements & approach

Novelties:

- Challenge-driven approach
- More focused priorities and fewer and less prescriptive topics
- More flexibility and simplified Work Programme
- New approaches to research and innovation
- Wider participation of European industry and SMES

**One overarching theme:
“Transformative and responsible
innovation”**

**Three objectives
Five priorities**

WP2012

Three objectives

OBJECTIVES

- (1) To provide knowledge-based options for addressing major societal challenges.
- (2) To develop and strengthen European leadership in innovation.
- (3) To promote and facilitate knowledge transfer, assessment, uptake and exploitation of scientific data and results

WP2012

Five priorities

**Transformative and Responsible
Innovation, addressing 5 priorities
(265M€):**

WP2012

Five priorities

6.1 Coping with climate change

6.2 Sustainable use and management of land and seas

6.2 Sustainable use and management of land and seas

- Sub-activity 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity;
- Sub-activity 6.2.2 Management of marine environments;
- Sub-activity 6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat;
- Sub-activity 6.4.1 Earth and ocean observation systems and monitoring methods.

Challenge 6.2 Sustainable use & management of land & sea

In particular, the call will explore:

- ***ecosystem services and natural capital to systematically inform sustainable management;***
- ***Global Earth Observation Biodiversity Observation Network (GEO BON)***

Priority 6.2 Sustainable use & management of land & sea

*Ways and means to support the implementation of the **Marine Strategy Framework Directive (MSFD)***

- *mapping, diagnosing, excavating, and securing
underwater and coastal archaeological sites*

6.3 Improving resource efficiency

6.4 Protecting citizens from environmental hazards

6.5 Mobilizing environmental knowledge for policy,
industry and society

6.6 Horizontal & cross-thematic activities

EeB.ENV.2012.6.6-2 PPP Energy Efficient Buildings Initiative.

Concepts and solutions for improving energy efficiency historic buildings, in particular at urban district scale.

Most topic areas are evaluated through a two-stage process:

- Outline proposals of max 10 pages by 20 October 2011;
- Selected outlines to prepare full proposals by 15/2/2012 (indicative date to be specified in the invitation letter);
- In most cases, more than one proposals can be selected; the call text is less prescriptive, leaving more choice to the applicants on what to focus the proposal.

Call 2011 and 2 stage Evaluation

- **Publication Date: 20 July 2011**
- **Deadline: 20 October 2011 at 17:00:00**
- **15 February 2012 at 17:00**
- **Specific Programme(s): COOPERATION ,
Environment**

WP 2012

- Understand and operationalise the potential of the ecosystem services and natural capital approach within key regulatory frameworks and in decision making processes.
- Integrated natural, social and economic research is needed to assess the ecosystem services relevant to human well-being, and analyse links between and comparisons across sectors, scales and time (for example, across a coherent set of case studies)
- social-ecological systems must at least include fresh water bodies, coastal zones, urban and rural areas and their interfaces.

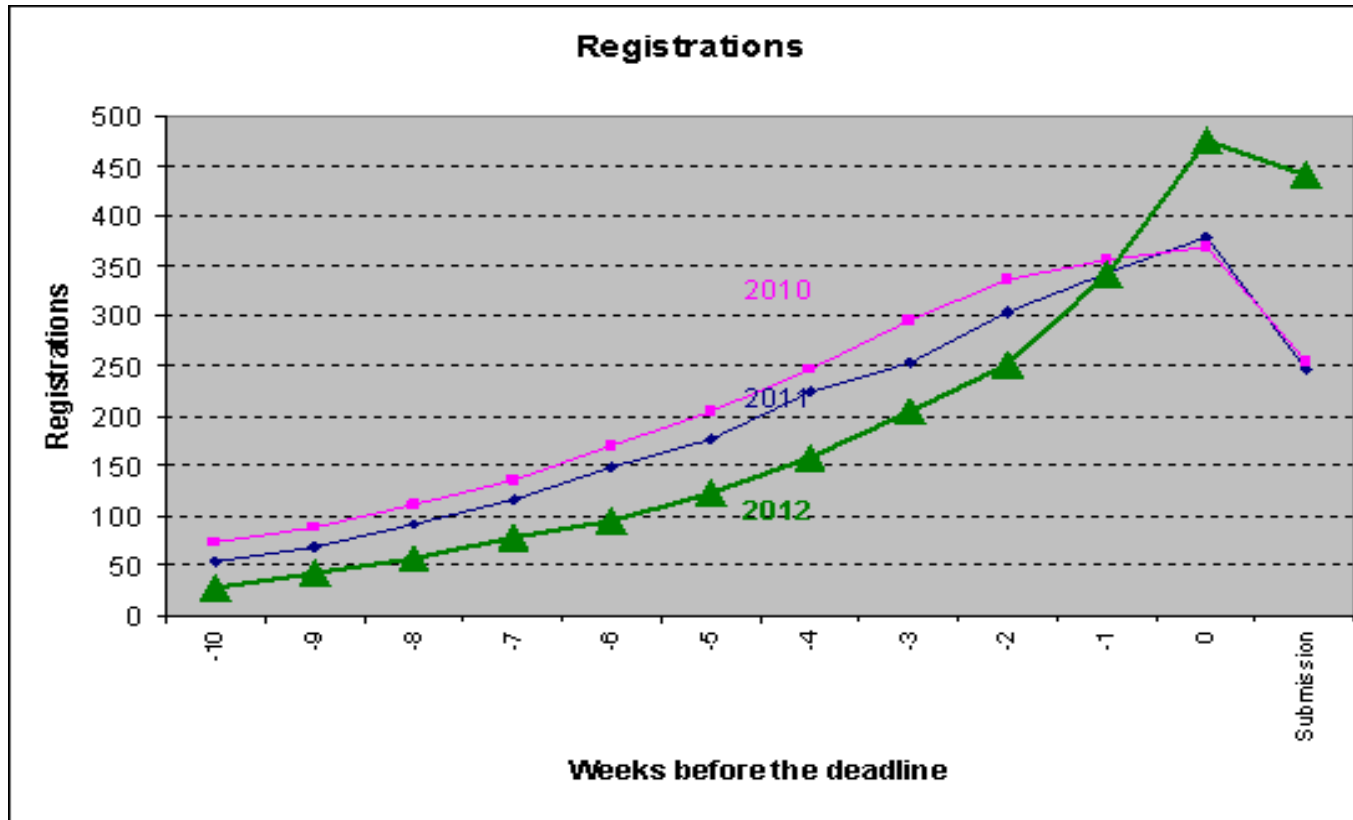
WP 2012

- Focusing on the bio-physical control of ecosystem services
- Research will examine the effects of multiple drivers (including the use of renewable resources), structural and functional factors
- human feedbacks on ecosystem services.

WP 2012

- To support the formulation and implementation of regulatory frameworks such as the Water Framework Directive, Air Quality Framework Directive, the Common Agricultural Policy, the Green Infrastructure approach, the Thematic Strategy on the Urban Environment and Environmental Impact Assessments.
- International collaboration, especially in developing countries is strongly encouraged
- **Funding Scheme:** Collaborative Project
- **The requested European Union contribution per project shall not exceed EUR 9 000000**
- **One or more proposals can be selected.**

SUBMISSION OF PROPOSALS



Evaluation of Proposals 2012

6.2 Sustainable use and management of land and seas

- 30 proposals have been submitted

DG REGIO-CITIES OF TOMMOROW

- Challenges, visions, ways forward
- More than two thirds of the European population lives in urban areas. Cities are places where both problems emerge and solutions are found.
- Cities are fertile ground for science and technology, for culture and innovation, for individual and collective creativity, and for mitigating the impact of climate change.

DG REGIO-CITIES OF TOMMOROW

- However, cities are also places where problems such as unemployment, segregation and poverty are concentrated.
- We need to better understand the challenges that different European cities will face in the years ahead.
- The aim of this report is to bring together urban experts and representatives of European cities to think about the future.

DG REGIO –REPORT ON CITIES OF TOMMOROW

- The report raises awareness of the possible future impacts of a range of trends, such as demographic decline and social polarisation, and the vulnerability of different types of cities.
- It also highlights opportunities and the key role cities can play in achieving EU objectives – especially in the implementation of the Europe 2020 strategy.
- It confirms the importance of an integrated approach to urban development.

DG REGIO –CITIES OF TOMMOROW

- **NEW**

- http://ec.europa.eu/regional_policy/conferences/citiesoftomorrow/index_en.cfm (cities of tomorrow)

- http://ec.europa.eu/regional_policy/themes/urban/audit/index_en.htm (urban audit)

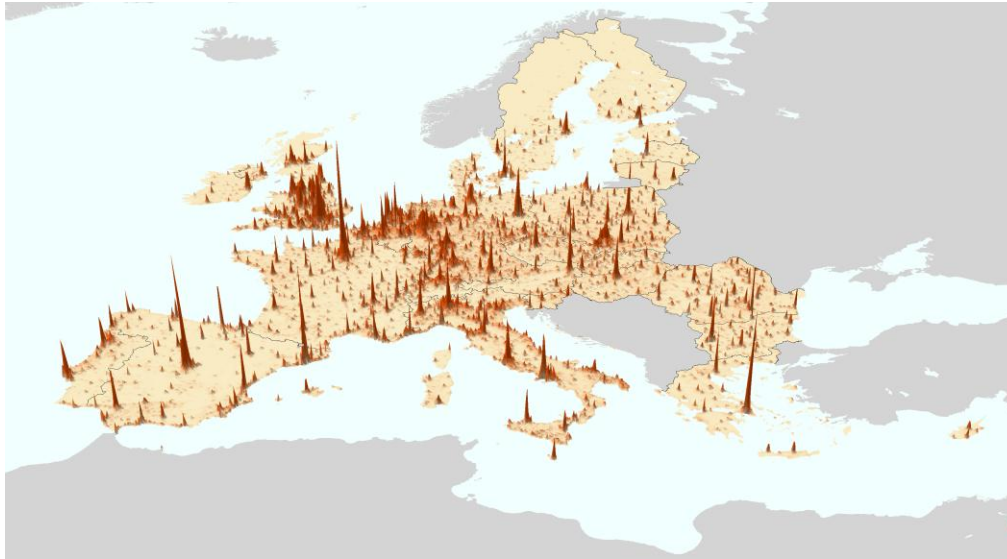
- http://ec.europa.eu/regional_policy/sources/docgener/guides/urban/index_en.htm (urban dimension in Community policies)

- http://ec.europa.eu/regional_policy/conferences/urbanaudit2008/programme_en.htm (2008 conference)

DG REGIO

- **Corinne Hermant-de Callataÿ**
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JPI mission



- **Represents a forward-thinking and long-term oriented, coordinated research and innovation initiative to shape urban development in times of a global shift**
- **Has an integrative, interdisciplinary and horizontal approach across the interfaces of economy, society, mobility, and ecology**

JPI mission

- 13 countries involved
- **Austria (coordinator, Federal Ministry of Innovation and Technology), Denmark, Finland, France, Ireland, Italy, the Netherlands (scientific leadership, Free University of Amsterdam), Norway, Sweden, Switzerland and Turkey**
- **2 observers Germany and Spain**

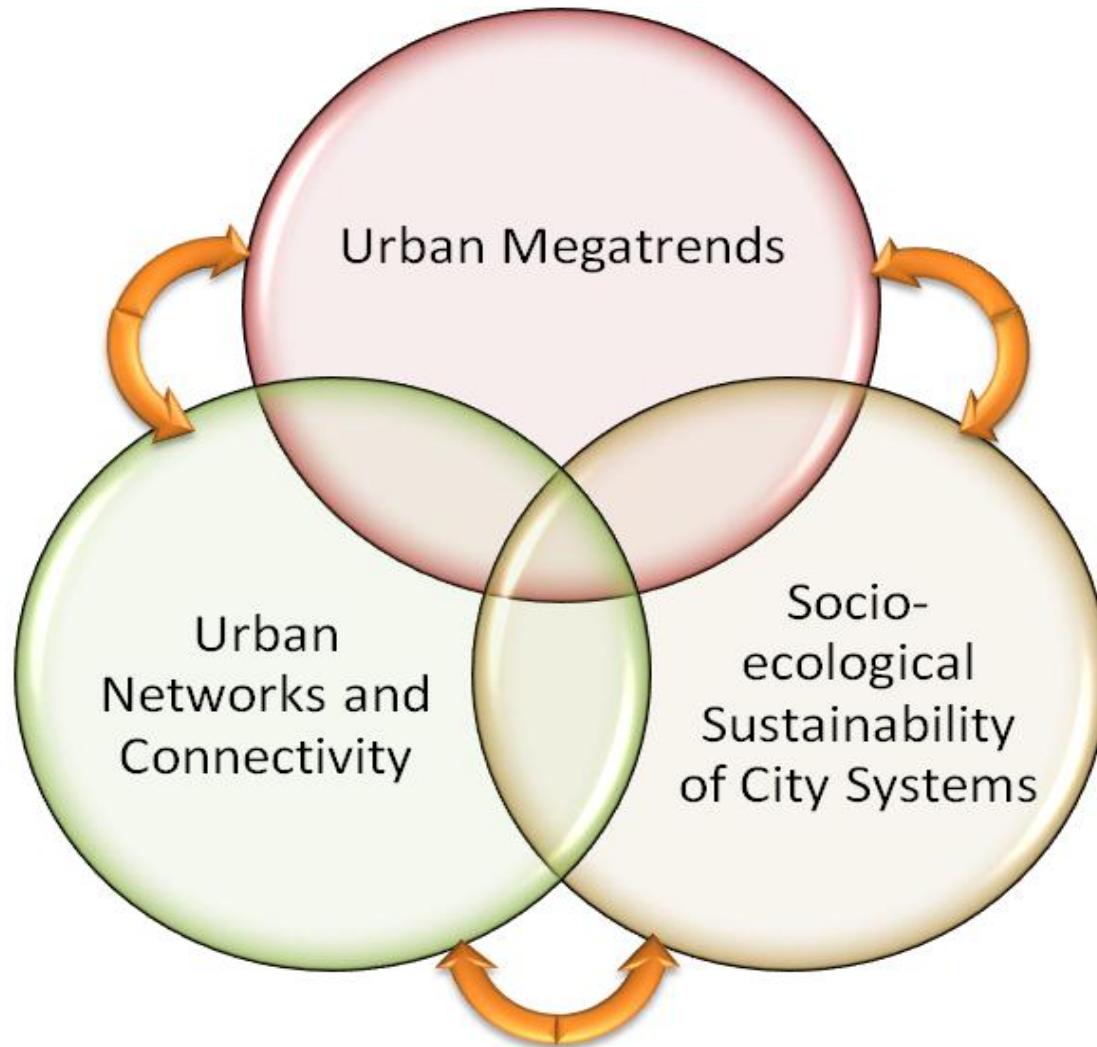
JPI objectives

- **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**

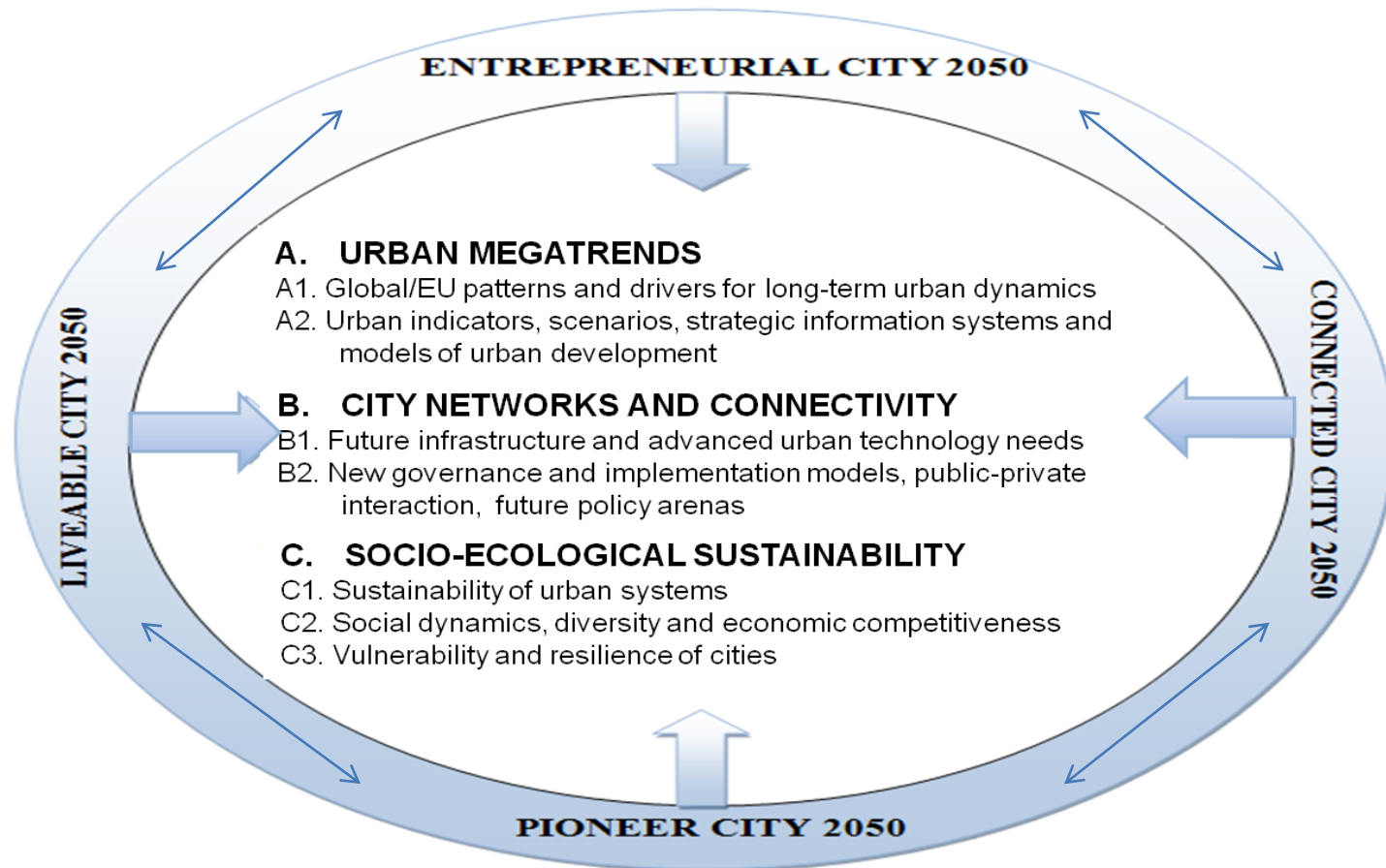
JPI objectives

- **To design** tools, models **and** concepts **for technology assessment and dissemination as well as for** urban governance **and** urban management
- **To provide** scientific evidence **for policy-making at European, national, regional and local level; promote** intensive interaction **among actors (researchers, policy-makers, business, civil society)**

JPI main research issues



JPI research themes



JPI mission

- **For more info please visit:**
- **website at**
- **www.jpi-urbaneurope.eu**

FP8 Framework MFF

- Multiannual Financial Framework 2014-2020:
"Investing today for growth tomorrow"
- The proposal is available on the Multiannual
Financial Framework website

http://ec.europa.eu/budget/reform/index_en.htm

Multiannual Financial Framework 2014-2020:

Main issues

- Stronger focus on the grand global challenges such as climate change and food and energy security, which can only be tackled effectively through cross-border coordinated research.

Multiannual Financial Framework 2014-2020:

- More emphasis on growth creation and on evaluating the economic effect of research and innovation funding.
- Major simplification of procedures to get researchers out of the office and into the labs and to boost SME participation in FP7.

Multiannual Financial Framework 2014-2020:

- On 29th June, the Commission has presented a proposal
- Final amount and breakdown of the EU budget to be decided jointly by the European Parliament and the Council (Member States).

Multiannual Financial Framework 2014-2020:

- The European Commission legislative proposal for Horizon 2020, subject to approval by the European Parliament and the Council.

Towards a Common Strategic Framework for EU Research and Innovation Funding CSF



[Nam]
[DG]

What is the Green Paper?

- Consulting on major improvements to future EU research and innovation funding
 - ▶ Covering the FP, CIP and EIT in a **Common Strategic Framework (CSF)**
 - ▶ With a coherent set of funding instruments along the whole innovation chain (from basic research to market uptake)
- For the next EU Budget (**to start in 2014**)

Scope of the Common Strategic Framework, CSF

- **Covering current funding for:**
- **The 7th Framework Programme (FP7) for research, technological development and demonstration**
 - ▶ €53 billion (2007-13). 4 main programmes on Ideas, Cooperation, People and Capacities.
- **The Competitiveness and Innovation Framework Programme (CIP)**
 - ▶ €3.6 billion (2007-13). 3 programmes on enterprise & innovation, intelligent energy, and ICT policy support.

The context: Europe 2020 strategy

- **Objectives of** smart, sustainable and inclusive growth
- **Includes the** Innovation Union Flagship initiative
 - ▶ A strategic and integrated approach to research and innovation
 - ▶ Focus on major challenges and aiming at competitiveness and jobs

The rationale for a Common Strategic Framework



Benefits from current EU research and innovation funding (evaluations, other sources)

- **Achieve** critical mass **and** diffusion of knowledge
- **Promote** competition **in research and innovation, raising levels of** excellence
- Offer training possibilities **and enhances Europe's research and innovation capacities**
- **Provides a way to deal with** pan-European policy challenges **and link to EU market frameworks**
- **Raises the** international attractiveness **of EU research and innovation**

But also concerns

- Further simplification
- Better strategy for innovation – **involve users, how to commercialise results, generate impacts**
- Broaden participation – **industry, SMEs, new Member States, women, new innovation actors**
- Clearer agendas - **driven by scientific, industrial, social objectives**

Future Calls

YOU ARE WELCOME TO EMAIL

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Potential Research Priorities for

Future Calls

Future Calls

YOU ARE WELCOME TO contact

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And REGISTER

IN THE CORDIS EMI DATABASE as

EC REVIEWER

BRIDGE FINAL OUTPUT

- Potential contribution to other EC initiatives and interaction with other DGs (JRC, ENV, DEV);
- Success story both in scientific and policy language to address a wide stakeholder's community including researchers, urban planners, land use planners, SME (construction companies, industry).

Thank you !