



Urban Biodiversity and green Infrastructure recent Information and Opportunities

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Astrid Kaemena
European Commission
DG Research & Innovation
Environment Directorate - Management of Natural Resources

Outline

- **Introduction to FP7, structure and budget**
- **Work Programme 2013 – Environment**
- **Topic: Urban Biodiversity and green Infrastructure**
- **FP7 funded urban projects**



1952: ECSC treaty; first projects started March 1955



1957: Euratom treaty; Joint Research Centre set up

1983: ESPRIT programme

1984: **First** Framework Programme (1984-1987)

1987: 'Single European Act' – science is Community responsibility;
Second Framework Programme (1987-1991)

1990: **Third** Framework Programme (1990-1994)

1993: Treaty on European Union; role of RTD in the enlarged EU

1994: **Fourth** Framework Programme (1994-1998)

1998: **Fifth** Framework Programme (1998-2002)

2000: European Research Area

2002: **Sixth** Framework Programme (2002-2006)

2007: Seventh Framework Programme (2007-2013)



7. Framework Programme - 2007-2013

Cooperation – Collaborative research

Ideas – Frontier Research

People – Marie Curie Actions

Capacities – Research Capacity

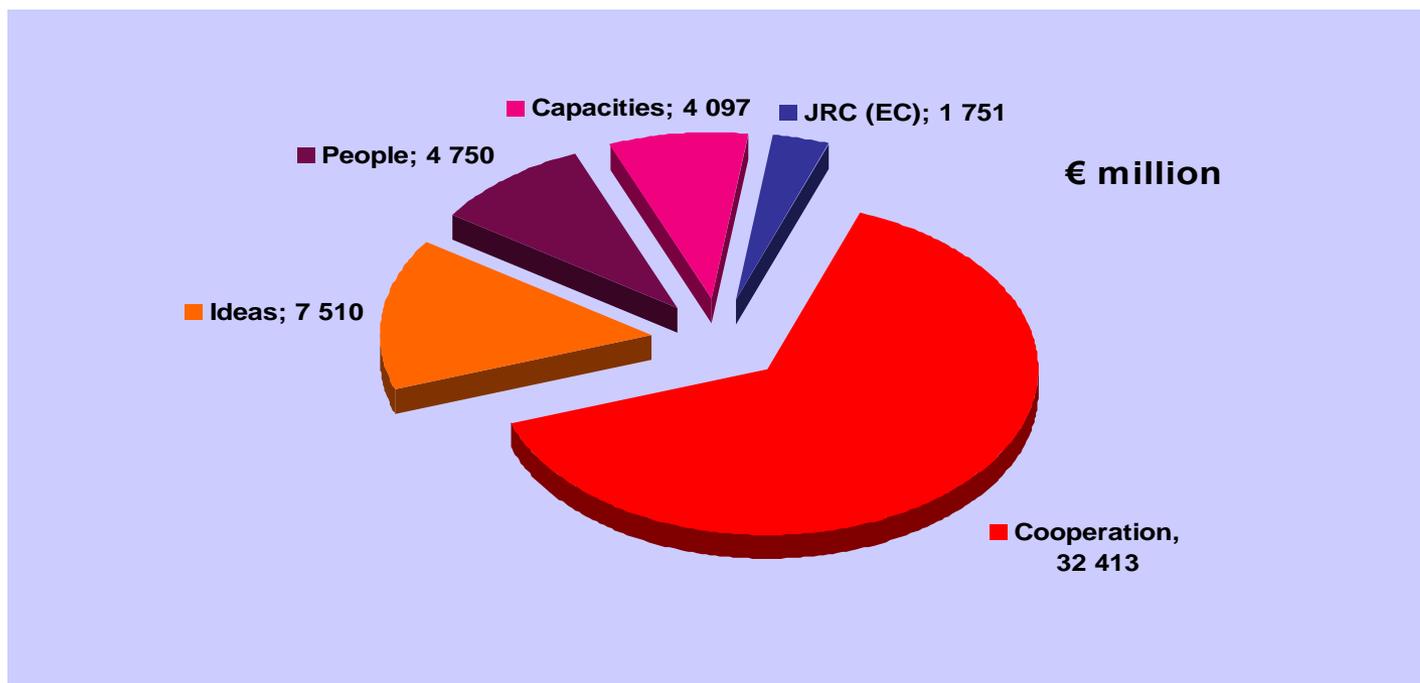


JRC non-nuclear research

***Euratom* direct actions – JRC nuclear research**

***Euratom* indirect actions – nuclear fusion and fission research**

FP7 budget: € 50 521 million



FP7 2007-2013 'Cooperation' budget

Ten themes

| | Budget (€ million) |
|--|-------------------------------|
| 1. Health | 6 100 |
| 2. Food, agriculture and fisheries, and biotechnology | 1 935 |
| 3. Information and communication technologies | 9 050 |
| 4. Nanotechnologies, materials and production | 3 475 |
| 5. Energy | 2 350 |
| 6. Environment | 1 890 |
| 7. Transport | 4 160 |
| 8. Socioeconomic research | 623 |
| 9. Space | 1 430 |
| 10. Security | 1 400 |
| Total | 32 413 |

Work Programme 2013

Environment Theme

Specific Objectives

- **Addressing the major societal challenges**
(E.g. investigate toxicants, environmental pollutants and land and water resources management);
- **Developing and strengthening European leadership in environmental innovation**
(E.g. investigate the potential of Green Infrastructure including wooded and green areas in the urban environment);
- **Promoting and facilitating knowledge transfer, assessment, uptake and exploitation of scientific data and results.**
(E.g. deliver integrated governance strategies and tools for land and water resources management).

Work Programme 2013

Environment Theme

Challenges/Activities

- 6.1 Coping with Climate Change
- 6.2 Sustainable use and management of land and seas
- 6.3 Improving resource efficiency
- 6.4 Protecting citizens from environmental hazards
- 6.5 Mobilising environmental knowledge for policy, industry and society

Challenge 6.2

Sustainable use and management of land and sea

Topics

- 1. Water resources management under complex, multi-stressor conditions**
- 2. Toxicants, environmental pollutants and land and water resources management**
- 3. Transition to sustainable, low-carbon societies**
- 4. Sustainable land care in Europe**
- 5. Urban biodiversity and green infrastructure**
- 6. Improved monitoring of the impact of cultivation on the environment using global Earth Observations**
- 7. Development of advanced technologies and tools for mapping, diagnosing, protecting and managing cultural landscapes in rural areas**
- 8. Sustainable management of Europe's deep sea and sub-sea floor resources**

Challenge 6.2

Sustainable use and management of land and sea

- **Two-stage**
 - ENV.2013.6.2-1 – Collaborative Project
 - ENV.2013.6.2-2 – Collaborative Project
 - ENV.2013.6.2-3 – Collaborative Project
 - ENV.2013.6.2-4 – Collaborative Project
 - **ENV.2013.6.2-5 – Collaborative Project**
 - ENV.2013.6.2-6 – Collaborative Project
 - ENV.2013.6.2-7 – SME-targeted Collaborative Project
 - ENV.2013.6.2-8 – Collaborative Project
- **One-stage**
 - n/a
- **Indicative budget: €88 million**
(of which €15 for the cross-thematic call "The Ocean of tomorrow")



Challenge 6.2
Sustainable use and management of land and sea

Overall aim

Improve the knowledge base on how ecosystems react to pressures in order to underpin the implementation of the transition phase to resilient, sustainable and resource efficient societies.



ENV.2013.6.2-5

Urban biodiversity and green infrastructure

Goal:

Provide a sound evidence base for the development of green infrastructures and strategies for planning and design of green infrastructure in cities and urban areas, appropriately adapted to scales from the local to the city region level

Proposals should address:

- the potential of sustainable use, as well as the status, trends, role and needs of urban biodiversity and ecosystem goods and services provided by urban green infrastructure;
- the innovation potential of urban ecosystem services (including social innovation and health promotion) regarding their provision, valuation, protection and sustainable use;
- the integration of environmental services with socio-cultural and economic services and the engagement with local communities, as a contribution to a green economy;
- planning and governance approaches that support the conservation and restoration of urban biodiversity and the building and maintaining of green infrastructure.



ENV.2013.6.2-5

Urban biodiversity and green infrastructure

Expected impact:

- Enhanced provision of ecosystem services by green infrastructure in correlation with environmental policy objectives.
- Link of environmental services with socio-cultural and health aspects.
- Innovative contributions of ecosystem services to urban green economy.
- Tools/incentives for better implementation of environmental policies and improvement of environmental status in urban areas.
- Enhanced collaboration between disciplines and stakeholders involved with urban green infrastructure, particularly at local and regional scale.

Additional information:

- Collaborative Project
- Two-stage evaluation; up to one proposal can be selected
- Requested EU contribution shall not exceed: €6.000.000
- EU contribution to SMEs is 15% or more



What are we looking for?



- ❖ **Scientific excellence**
- ❖ **Impacts and innovation**
 - **Long-term availability of results**
 - **Communication/dissemination activities**
 - **Stakeholder involvement**
 - **Research-policy interface**

Urban Research in the Environment Programme of FP7

Outcome of FP7 Calls for Proposals “Urban Development”:

- Urban Metabolism: **SUME & BRIDGE** (*CP-FPs*)
- Sustainable Coastal Cities: **SECOA** (*CP-IP-SICA*)
- CLimate change and Urban Vulnerability in Africa: **CLUVA** (*CP-SICA*)
- Furthering Strategic Urban Research: **URBAN-NEXUS** (*CSA*)
- Sustainable and Resilient Green Cities: **TURaS** (*CP-IP*)



Thank you for your attention!



Further information on call FP7.ENV.2013-two stage:

<https://ec.europa.eu/research/participants/portal/page/cooperation?callIdentifier=FP7-ENV-2013-two-stage>