



Horizon 2020 calls on « Smart Cities & Communities »

Brussels Smart Cities - 04/12/2014

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H2020 & Calls “Smart Cities & Communities”



- ❑ **Horizon 2020 programma in brief**
- ❑ H2020 projects in practice: for whom? Why?
- ❑ Call « Smart Cities & Communities »
- ❑ NCP Brussels



Horizon 2020, the new EU programme for Research & Innovation




- ❑ Started 01/01/2014 for 7 years
- ❑ 78.6 billion €
- ❑ Collaborative projects with European dimension
- ❑ Funding 70 to 100% of eligible project costs

A core part of Europe 2020, Innovation Union & European Research Area:

- Responding to the economic crisis to invest in jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology



H2020 structure : 3 pillars



- Future and Emerging Technologies (FET)
- Marie S. Curie actions
- Frontier Research

- Nanotechnologies, advanced materials and processing
- ICT
- Space
- Access to risk finance & SMEs



- Health
- Food, agriculture, maritime & bio-economy
- **Energy**
- Climate action / environment
- Transport
- Inclusive society
- Secure society



H2020 calls for proposals structure



H2020 calls for proposals



- ❑ Each topic has a specific deadline & budget

Participants portal

THE EC portal to find H2020 calls, apply & manage H2020 projects

<http://ec.europa.eu/research/participants/portal>



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The essence of a H2020 project



At least 3 independent legal entities in 3 Member States / Associated Countries (usually more)



Different types of H2020 projects



Technology Readiness Level (TRL)

Coordination and Support Action

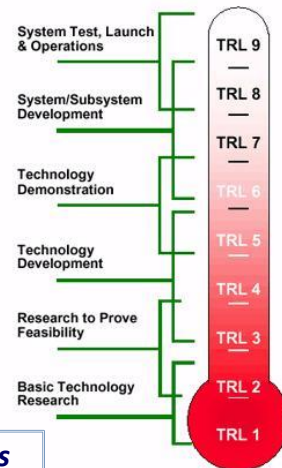
Co-financing – 100%

Actions d'Innovation: TRL 5-7

Co-financing - 70% / 100% for not for profit

Actions de Recherche et d'Innovation: TRL 3-5

Co-financing – 100%



+25% indirect costs



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Why you should you be interested?



- ❑ H2020 is not a funding exclusively for academics!
- ❑ Transdisciplinary consortia : end-users / pilot sites are more than ever requested
- ❑ Local authorities mentioned in many H2020 topics!

Collaborative projects – what for?

- ❑ Co-fund the demo of innovative solutions in your districts
- ❑ Enhance your capacity and experience in line with your strategy
- ❑ Expand & strengthen your network
- ❑ Build up your credibility



Before starting...



- ❑ **From 0.25 (as partner) to 1 Full Time Equivalent (coordinator)** 6 months to 1 year before the deadline
- ❑ **English** necessary before and during the project
- ❑ **8 months** from the deadline to the grant agreement
(5M : results + 3M preparation of the grant agreement)
- ❑ **No EU reimbursement** for the preparation of the proposals and of the grant agreement



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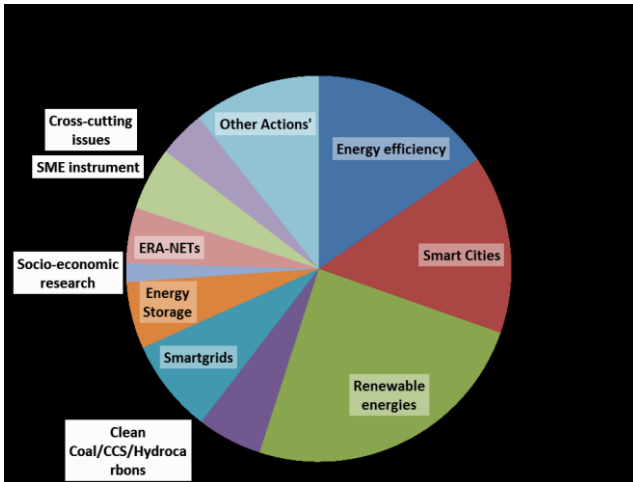
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H2020 Energy challenge budget for 2014/15



Smart Cities

- Indicative budget
 2014 = €92.32M
 2015 = €107.18M

- 2015 Deadline
 5 May 2015 (17:00)



Smart Cities & Communities call

Call 2014	Call 2015
Data Collection €1m	System Standards €1m
Lighthouse Projects	
€90m 4-5 projects	€106m 5-6 projects
Public Procurers' Networks €1m	Deadline 5 May 2015



Topic Smart Cities Lighthouse projects



Smart Cities & Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration – first of a kind) projects



- 70% co-funding rate / 100% for not for profit org
- + 25% overhead



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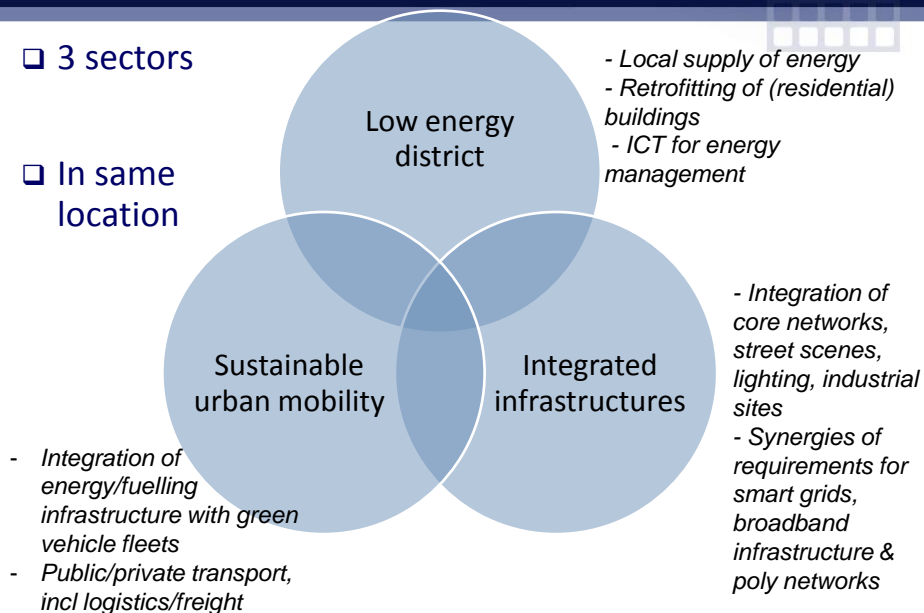
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Integrate ICT/transport/energy

- 3 sectors

- In same location



Large scale demo of innovative solutions



- ❑ Expected EU contribution: 18 to 25 M€
- ❑ **City-industry partnerships** (+ SMEs, research, consumer org)
- ❑ Test existing or very near to market technologies (Technology Readiness Level 7 & more)
- ❑ Integrated in an innovative way **in 2-3 cities** (at district level)

+ activities supporting the commercial exploitation

(ex. citizen engagement, regulatory framework, open data etc)



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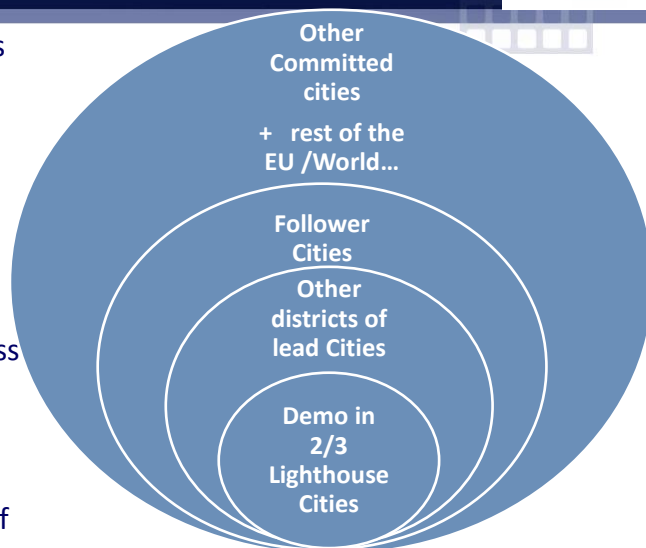
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Replicable solutions !



- ❑ 2-3 follower cities to be involved & committed
- ❑ Replication plans are compulsory
- ❑ Attractive business plans
- ❑ Open data + interoperability of solutions



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Commitment from lighthouse cities



- ❑ Activities must be part of an ambitious & integrated **urban plan** from lead cities
- ❑ Each lead cities must submit its urban plans together with the proposal
- ❑ **Funding secured** for other parts of the initiative in which lighthouse projects are embedded
- ❑ Performance monitoring at least 2 years after project ends (5 years even better)



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Lessons learnt from 2014 results



- ❑ Average consortium/budget: **27 partners / 21 & 25M€**
- ❑ Higher quality proposals included **larger cities**
- ❑ Many proposals **strong on only 2 sectors instead of 3...**
- ❑ Rolling out same solutions / same approach in cities = a plus
- ❑ Citizen engagement has been overlooked
- ❑ Real role for follower cities !
- ❑ No clear projects anchorage with the attached urban plans
- ❑ Estimated impacts (CO2/energy reduction) not well quantified



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Insights into 2016/17 Smart Cities calls



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What are National Contact Points?



NCPs are appointed intermediaries between the European Commission and (potential) RDI projects participants



We know the rules of the game

- Processes, jargon, legal and financial matters, administration
- Timeframe of calls for proposals
- Understanding of work programmes
- Latest versions of documents
- Privileged contact with EC
- Trained by the EC

We belong to European networks to help you find suitable partners and relevant contacts for your eco-system



We are experienced coordinators and/or partners of European research and innovation projects

We know where to find answers to complex questions and difficult situations

- « What does the EC exactly mean with that topic description »
- « What if a project partner goes bankrupt »
- « I made a mistake in my previous reporting »
- « We have an auditor coming over next week » ...



How NCP Brussels can help you



We provide **free-of-charge** professional guidance



- Adapt to your needs (beginner to experienced, punctual to global)
- Follow strict guiding principles (confidentiality, no conflict of interest...)
- NCPs are on your side to **prepare, realise and exploit projects successfully**
- Support your research and innovation strategy
- Protect your interests (property rights, budgets...)



Next steps: 08/01/2015: Smart Cities & H2020



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Next steps



- [Information session & brokerage event on Horizon 2020 – Smart Cities and Communities 2015 Work Programme](#) organised by the European Commission on 12/02/2015
- National Contact Point (NCP) Brussels
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