Market Place of the European Innovation Partnership on Smart Cities and Communities

Eliminando barreras

25th March 2015 - Madrid – I Congreso de Ciudades Inteligentes

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The context

Strategic Implementation Plan

Market Place

How to participate?

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How to participate?

5 EIPs - European Innovation Partnerships

SMART CITIES & COMMUNITIES

ACTIVE & HEALTHY AGEING

AGRICULTURAL PRODUCTIVITY & SUSTAINABILITY

RAW MATERIALS

WATER

Why cities?

~70% of EU population

~70% of energy

~75% of greenhouse gas emissions

Each city is unique

... but there are common challenges!

EIP on Smart Cities and Communities

DG MOVE

DG ENER

DG CNECT

EIP

Smart Cities & Communities

launched in July 2012

A triple bottom line gain for Europe

- **Integrate** technologies from **Energy, Transport and Information** and Communication Technologies (**ICT**).
- The EIP-SCC overarching goal - a triple bottom line gain for Europe:
  - a significant improvement of **citizens' quality of life**,
  - an increased **competitiveness** of Europe's industry and innovative SMEs
  - together with a strong contribution to sustainability and the EU’s 20/20/20 **energy and climate targets**

Boost the industrial-scale roll-out of SC solutions

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How to participate?

Remove the road blocks on the way

Strategic Implementation Plan will create value for Europe by:

- **Aligning** existing city initiatives and projects
- Creating **economies of scale**
- More effective **knowledge sharing**
- Establishing strategic **partnerships** between industry, innovative SMEs, European cities and other stakeholders **at local level and across borders** in Europe.

http://eu-smartcities.eu/sites/all/files/SIP.pdf

Smart Cities
are now reality, but…

‘SMART’ URBAN PLANS

OPEN DATA

INFORMATION & KNOWLEDGE

DEPARTAMENTAL BARRIERS

PRIVACY

FINANCING PRIVATE INVESTS

SECURITY

RELIABLE INDICATORS

INTEROPERABILITY

PUBLIC-PRIVATE PARTNERSHIPS

STANDARDS

LACK OF EXPERIENCE

PUBLIC PROCUREMENT OF INNOVATION

OBSOLESCENCE

MARKET FRAGMENTATION

FINANCING PUBLIC INVESTS

INTEGRATION

ENGAGE CITIZENS

PROCUREMENT RULES

CITY RESILIENCE

NEW BUSINESS MODELS

… we need to work together to remove the road blocks!

SIP: Strategic Implementation Plan

	Sustainable Urban Mobility	Sustainable Districts & Built Environment	Integrated Infrastructure & Processes
Decisions	**Citizen Focus** — how we include citizens into the process as an integral actor for transformation		
Decisions	**Policy & Regulation** — creating the enabling environment to accelerate improvement		
Decisions	**Integrated Planning** — how we work across sector and administrative boundaries; and manage temporal goals		
Insight	**Knowledge Sharing** — how we accelerate the quality sharing of experience to build capacity to innovate and deliver		
Insight	**Metrics & Indicators** — enabling cities to demonstrate performance gains in a comparable manner		
Insight	**Open Data** — understand how to exploit the growing pools of data; making it accessible – yet respecting privacy		
Insight	**Standards** — providing the framework for consistency commonality and repeatability, without stifling innovation		
Funds	**Business Models, Procurement & Funding** — integrating local solutions in an EU and global market		

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Market Place of the EIP-SCC

Stakeholders

- **Citizens**
- **National Initiatives**
- **EU associations** (Eurocities, ICLEI, CEN-CENELEC, etc)
- **EU Initiatives** (CONCERTO, Covenant of Mayors, CIVITAS, etc)

input

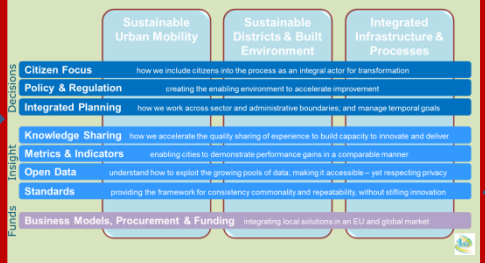
EIP Governance & Constituency

- **High-Level Group**
- **Sherpa Group**

Chairing Moderating

SIP/OIP

Market Place



Action Clusters

Implementation

Feedback

Implementation

11 SIP Priorities

- **Lighthouse Projects** (Horizon 2020) Work Programme inspired by EIPa
- **Commitments (no EU funding)** Concrete actions facilitates by the EIPs market place
- **Other activities & projects**

http://ec.europa.eu/eip/smartcities/whos-who/index_en.htm

What do the cities want the Market Place to deliver?

information about what is happening when the research projects are running find out who is who what changes in policy and financing opportunities are happening right now? Networking Sharing experiences, both good and bad Solutions from both cities and industries information about funds and financing knowledge sharing benchmarking learn from other sectors than your own Smaller scale solutions and integrated solutions should be made a priority More accessible and proactive information

From the Study on city expectations

Time line of the ACs

Launch of Invitation for Commitments
28th Feb 2014

Closure of Invitation for Commitments
15th of June 2014

Kick-off Conference
Brussels
9th Oct 2014

And more

- **Open** to cities, communities, companies, research, individuals, etc.
- Commitment: **voluntary intention to provide a concrete engagement** in support to the priority areas of the Strategic Implementation Plan

High involvement

- Strong response to the Invitation for Commitment
- True success: **441 commitments received**
- **370 eligible commitments**…
- … bringing together **more than 3000 partners** …
- … from **32 countries**.
- **Public authorities** are in the **lead** in **36%** of all cases, **business** in **26%**.
  → *nicely balanced!*

Evolution

Action Clusters will be key to promote collaborative processes for implementing **actions in priority areas**, based in five objectives:

- **Peer review** for existing and new actions
- **Critical mass** and visibility
- **Boost the learning curve** and EU competitiveness
- Share efforts to **eradicate barriers**
- **Link cities and industry**

The story behind Action Clusters

- **More concerted action** between cities and industries is needed to accelerate large-scale roll-out of promising solutions
  → *get markets moving*
- Bringing together innovative ideas and actions from across Europe to support a **dynamic market place**
  → *core ambition for this EIP*
- Invitation for Commitments/Action Clusters are **distinct and independent from Calls under Horizon 2020**
  → *not a funding instrument!*

Action Clusters: Core of the Market Place

- Fora for **participants of commitments submitted under the respective priority area** of the Strategic Implementation Plan and **other commitments with strong links to this area**.
- **Geared towards implementation**.
- Expected to come forward with **concrete targets and work plans**.
- Facilitated by **online collaboration tools**, **searchable database** for commitments, projects, best practises, etc.

Time line of the ACs

Kick-off Conference

Brussels

9th Oct 2014

AC meetings

Brussels

11th & 13th Feb 2015

General Assembly

Berlin

21st May 2015

And more

http://eu-smartcities.eu/content/all-information-action-clusters-kick-conference-october-9
https://eu-smartcities.eu/content/outcomes-action-cluster-meetings-11-and-13-february

Support to the Market Place

zabala innovation consulting

SP your Science Partner

prestomedia

Imperial College London

trentorise
Social Innovation rooted in Research and Education

EWP European Water Partnership

Reinforced with:

ERRIN European Regions Research and Innovation Network

Centro tecnológico CARTIF

POLIS

The Market Place team provides expertise in the respective fields and the overall organisation, the daily communications, meeting logistics, etc.

6 Action Clusters

Action Cluster	AC Lead	AC Manager	Contact
CITIZEN FOCUS	**Ashley Metz** *Here*	Mario Conci *Trento Rise*	Citizenfocus @eu-smartcities.eu
SUSTAINABLE URBAN MOBILITY	**Lutz Heuser** *Urban Software Institute*	Karsten Marhold *Polis*	Sustainablemobility @eu-smartcities.eu
INTEGRATED PLANNING	**Simona Costa** *Casa Liguria*	Andrea Lagundzija (ERRIN)	Integratedplanning @eu-smartcities.eu
BUSINESS MODELS	**Sonja Schouten** *Alliander*	Ainhoa González *Cartif*	Businessmodels @eu-smartcities.eu
INTEGRATED INFRASTRUCTURES	**Graham Colclough** *Urban DNA*	Ibai Larrabide *Zabala*	Integratedinfrastructures @eu-smartcities.eu
SUSTAINABLE DISTRICTS	**Rinske van Heiningen** *Akzo Nobel*	Gerben K Wedekind *Imperial College*	Sustainabledistricts @eu-smarticities.eu

6 Action Clusters

Citizen Focus

- Research & services
- Apps and platforms
- Knowledge sharing
- Labs, schools & training
- City Plans

Integrated Planning & Management | Policy and Regulation

- National level policies and resources
- EU regional network
- From integrated planning solutions to business models
- ICT tools supporting Urban Planning and Management
- Cultural Heritage

Integrated Infrastructures (including Open Data)

- Humble Lamppost
- CrossCity Transformation
- Urban Platform

6 Action Clusters

Sustainable Urban Mobility

Alternative fuel

Intermodality

New opportunities for ITS and services

Business Models, Finance & Procurement

Finance and Funding

(Local) Ecosystems

Sustainable Districts and Built Environment

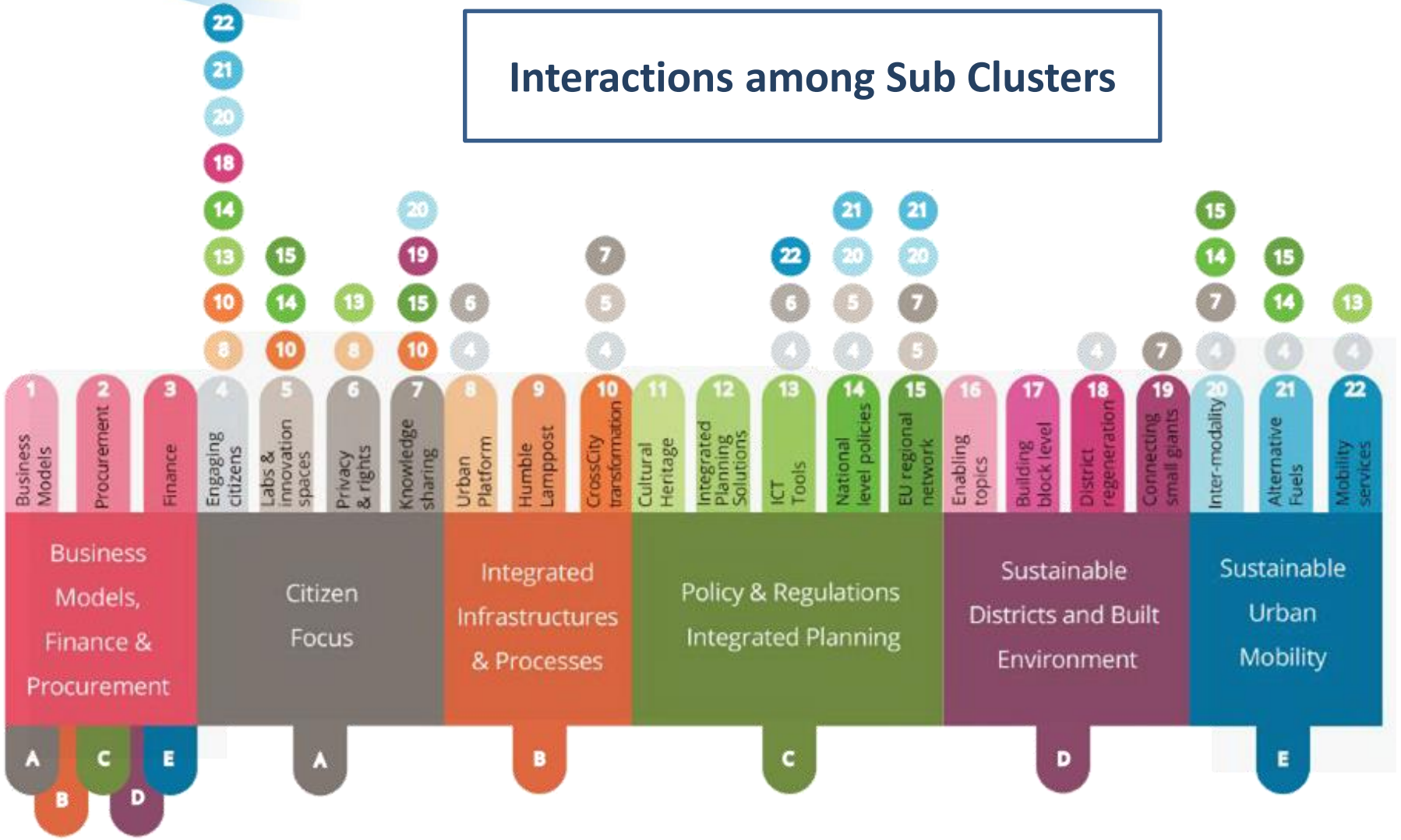
District regeneration

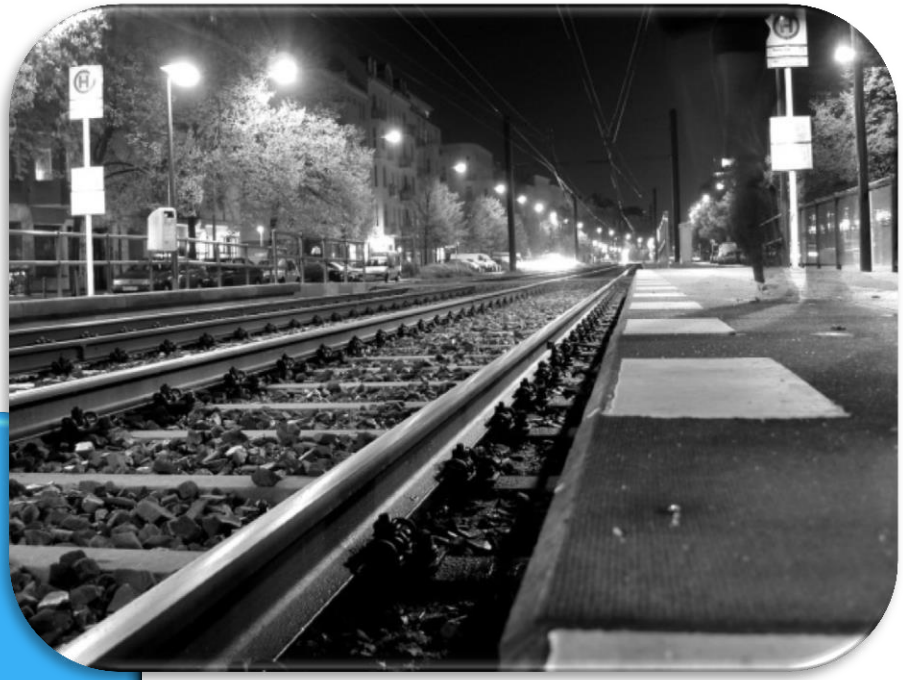
Building Level

Enabling tools/systems/models

Smart Cities = connecting

Interactions among Sub Clusters





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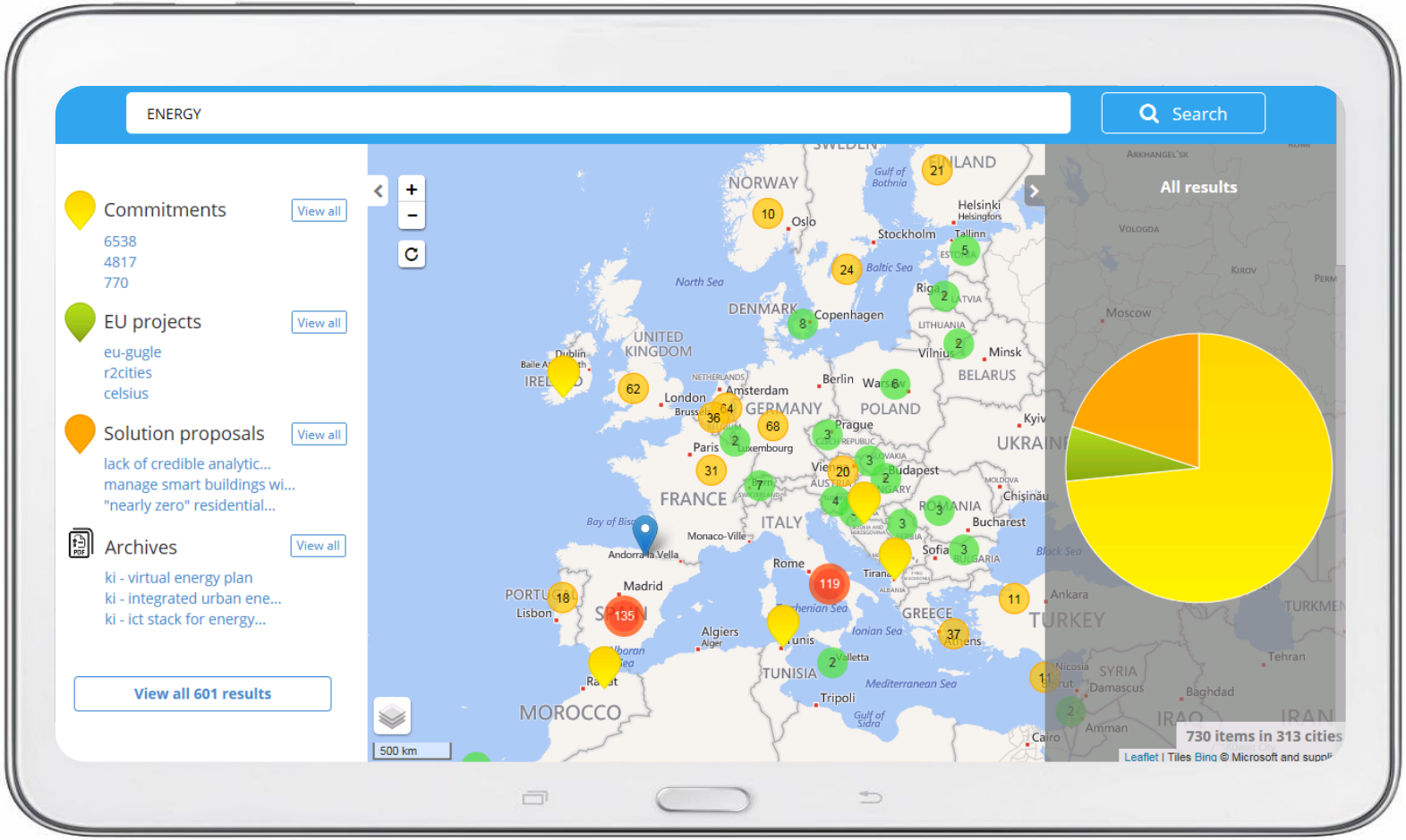
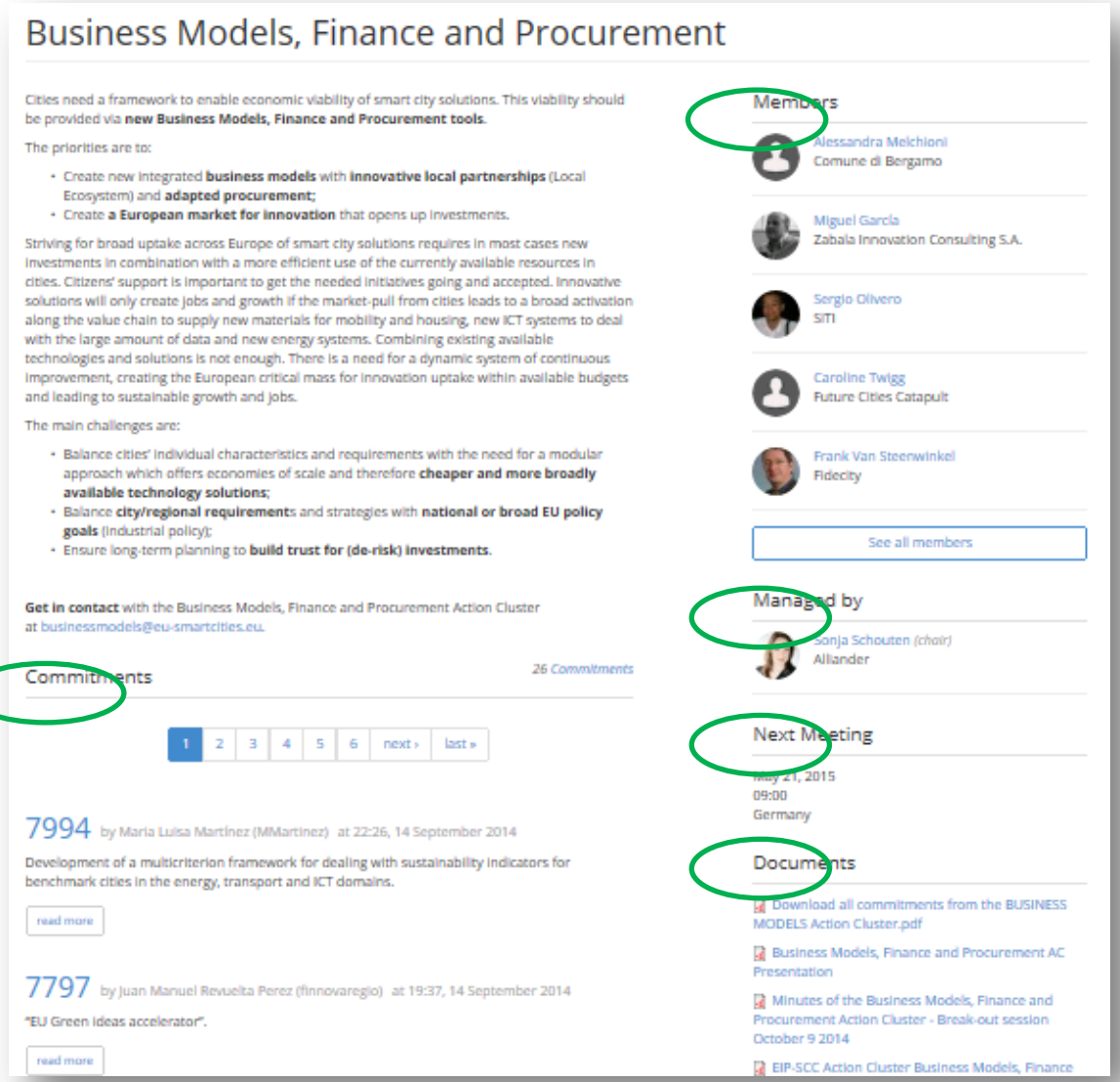
The central hub on Smart Cities



http://eu-smartcities.eu

All the info on Action Clusters

- Members
- Managed by
- Next Meeting
- Documents
- Commitments



Business Models, Finance and Procurement

Cities need a framework to enable economic viability of smart city solutions. This viability should be provided via **new Business Models, Finance and Procurement tools**.

The priorities are to:

- Create new integrated **business models** with **innovative local partnerships** (Local Ecosystem) and **adapted procurement**;
- Create **a European market for innovation** that opens up investments.

Striving for broad uptake across Europe of smart city solutions requires in most cases new investments in combination with a more efficient use of the currently available resources in cities. Citizens' support is important to get the needed initiatives going and accepted. Innovative solutions will only create jobs and growth if the market-pull from cities leads to a broad activation along the value chain to supply new materials for mobility and housing, new ICT systems to deal with the large amount of data and new energy systems. Combining existing available technologies and solutions is not enough. There is a need for a dynamic system of continuous improvement, creating the European critical mass for innovation uptake within available budgets and leading to sustainable growth and jobs.

The main challenges are:

- Balance cities' individual characteristics and requirements with the need for a modular approach which offers economies of scale and therefore **cheaper and more broadly available technology solutions**;
- Balance **city/regional requirement**s and strategies with **national or broad EU policy goals** (industrial policy);
- Ensure long-term planning to **build trust for (de-risk) investments**.

Get in contact with the Business Models, Finance and Procurement Action Cluster at businessmodels@eu-smartcities.eu.

Commitments

26 Commitments

1 2 3 4 5 6 next › last »

7994 by Maria Luisa Martinez (MMartinez) at 22:26, 14 September 2014

Development of a multicriterion framework for dealing with sustainability indicators for benchmark cities in the energy, transport and ICT domains.

read more

7797 by Juan Manuel Revuelta Perez (finnovaregio) at 19:37, 14 September 2014

"EU Green ideas accelerator".

read more

Members

Alessandra Melchioni
Comune di Bergamo

Miguel Garcia
Zabala Innovation Consulting S.A.

Sergio Olivero
SITI

Caroline Twigg
Future Cities Catapult

Frank Van Steerwinkel
Fidecity

See all members

Managed by

Sonja Schouten *(chair)*
Alliander

Next Meeting

May 21, 2015
09:00
Germany

Documents

Download all commitments from the BUSINESS MODELS Action Cluster.pdf

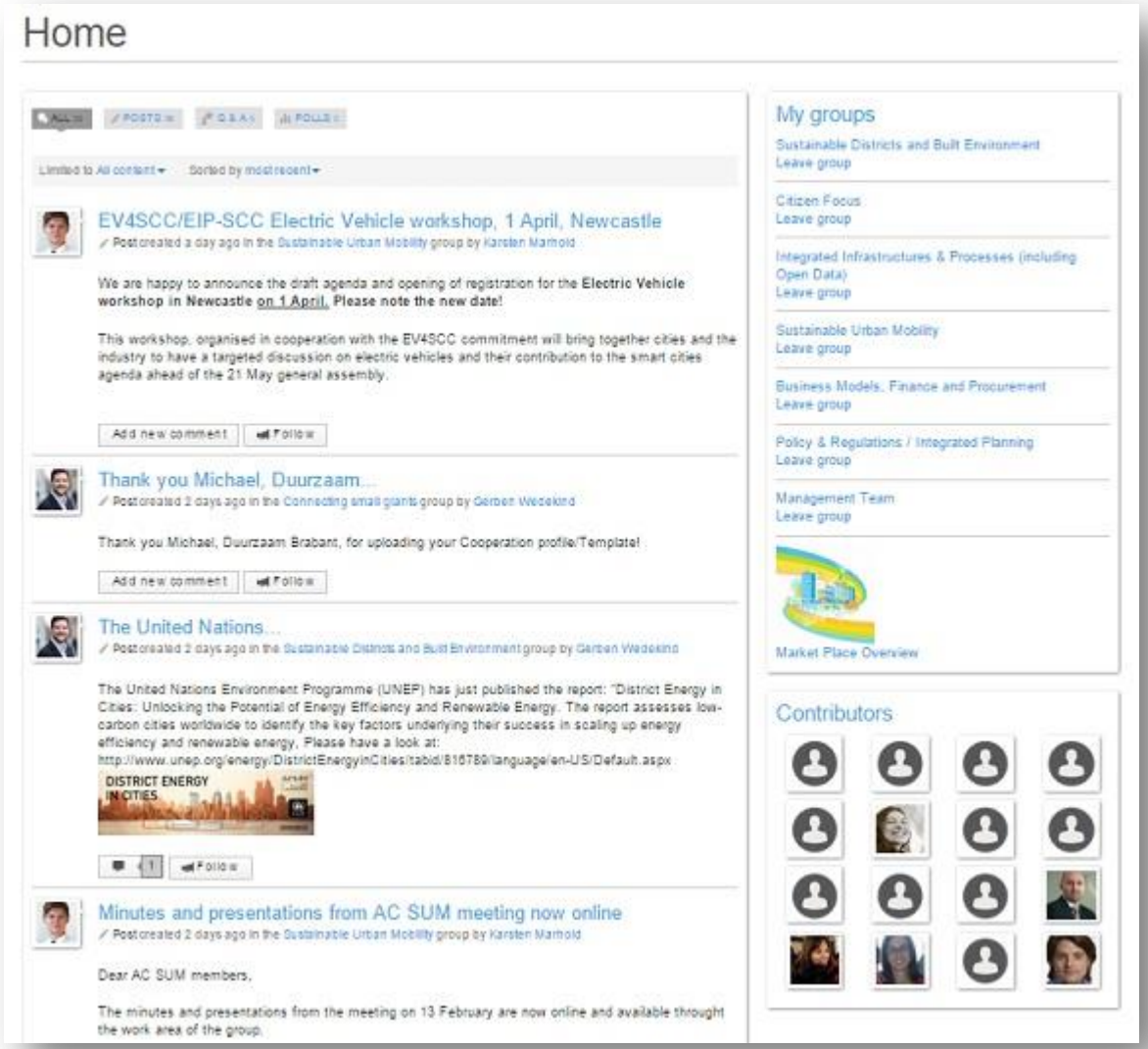
Business Models, Finance and Procurement AC Presentation

Minutes of the Business Models, Finance and Procurement Action Cluster - Break-out session October 9 2014

EIP-SCC Action Cluster Business Models, Finance

Work Area

- Remote work
- Interaction
- Share docs
- Calendar
- Comments



Relevance

370 commitments

8468 followers in Twitter

13 publications

6 Action Clusters

11 videos

4123 registered users

13 Keys to Innovation

135 Solution Proposals

> 16.000 sessions month

524 followers in LinkedIn

> 11.000 unique visitors

+ NEWS, EVENTS CALENDAR, BLOGS, FORA…

Participation through…

- Through a **valid commitment**
  - No new Invitation for Commitments is foreseen for early 2015
  - It is possible to join an **Action Cluster** or an **existing commitment** (see list at **https://eu-smartcities.eu/commitments**).
- Registered users in http://eu-smartcities.eu can directly contact commitments authors
- You can also contact to the Action Cluster e-mail address
- Or directly to info@eu-smartcities.eu

See you in Berlin!

- **Market Place General Assembly** to be held on the **21st May in Berlin** (Germany), at the **Metropolitan Solutions Trade Fair 2015** http://www.metropolitansolutions.de/home
- Addressed to all the partners of the Action Clusters
- There will be a public session in the morning open to general public during which the latest developments and plans for the Partnership will be presented.
- The registration form is already open.

http://eu-smartcities.eu/content/berlin-registration

Thank you!

http://eu-smartcities.eu

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