## ICT PSP Call 5

### **ICT PSP Call 5 Information day**

Madrid: 25 de marzo de 2011

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## THE COMPETITIVENESS & INNOVATION framework PROGRAMME - CIP

Entrepreneurship and **Innovation Programme** (EIP)



- Better access to finance for SMEs through venture capital investment & loan guarantee instruments
- Europe Enterprise Network
- Support for eco-innovation

~2,170 M€

Information Communication Technologies Policy support Programme (ICT PSP)



~730 M€

Intelligent Energy Europe (IEE)



- Fostering energy efficiency & the rational use of energy sources
- Promoting new & renewable energy sources & energy diversification
- Promoting EE & new energy sources in transport

~730 M€

http://ec.europa.eu/cip/index\_en.htm

## ICT PSP: Objectives

- Key instrument supporting the DAE policy initiative
  - ICT PSP: To drive forward innovation through the wider uptake and best use of ICTs
  - Complements ICT in FP7 that aims at strengthening Europe's leadership role in mastering and shaping the development of ICTs
- ICT PSP: Three inter-linked goals (legal base)
  - Develop the single information space
  - Support innovation / wide adoption and investments in ICT
  - Enable an inclusive Information Society

## ICT PSP budget profile

ICT PSP (~730 M€ for 2007-13), indicative profile

ICTPSP	2007	2008	2009	2010	2011	2012	2013	Total
	57.4	~52	~105	~112	~120	~135	~149	~730

- not including contributions from EFTA or from other potential associated countries
- Support to the development and use of digital content in ICT PSP from 2009 on (next Work programme)

## WP evolution

WP2007	WP2008	WP2009	WP2010	WP2011
54M€	40M€	107M€	107M€	116 M€
4 themes / 12 Obj.  Public services  Health  Inclusion	3 themes /12 Obj. Public services & Inclusion Energy Efficiency	8 themes /24 Obj. Health, ageing well and inclusion	6 themes / 20 Obj. Low carbon economy & mobility	5 themes / 15 Obj. Low carbon economy & mobility
Others  Cft + 11 M€	Internet & security	Digital libraries Public services	Digital libraries Health, ageing well and	Digital libraries Health, ageing well and
	Cft + 4 M€	Energy Efficiency and smart mobility Mulilingual web	inclusion Public services Mulilingual web	inclusion Public services Smart cities
		PSI Internet & sec. Open innovation	Smart cities  Cft + 9 M€	Cft + 9 M€
22 projects (3PA; 8 PB; 11 TN) 86 prop.	19 projects (1PA; 12 PB; 6 TN) 66 prop.	49 projects (1+2PA; 38 PB; 4 BPN, 4 TN)	39 projects (2+2PA; 23 PB; 8 BPN, 4 TN)	Results of call5
	Presenta	107	130 nron	

#### 2007-2010: Overview per main themes

- ICT for energy efficiency and smart mobility (40 M€) + 24 M€ in WP11 - 11 Pilots B on EE + 1 Pilot A, 4 Pilots B on mobility + 4 TNs
- ICT for Health, ageing well and inclusion (70 M€) + 18 M€ in WP11
  - 2 Pilots A, 4 TN on health
  - 11 Pilots B on ageing well; 2 Pilots B+ 2 TNs on inclusion
- ICT for innovative public services (73 M€) + 21.5 M€ in WP11
  - 4 Pilots A; 12 Pilots B; 5 TNs
- Digital libraries / Europeana (56 M€) + 30 M€ in WP11
  - 8 Pilots B + 8 BPNs + 2 TNs
- Smart cities (15M€) + 14 M€ in WP11
  - 7 Pilots B

### Results Call 4

Theme	Nr of prop. submitted	Nr of prop. retained	% of retained /submitted
Theme 1 - ICT for a low carbon economy and smart mobility	19	8	42,11%
Theme 2 - Digital Libraries	43	9	20,93%
Theme 3: ICT for health and inclusion	12	6	50,00%
Theme 4: Open Innovation for future Internet- enabled Services in "smart" Cities	42	7	16,67%
Theme 5: ICT for improved public services for citizens and businesses	3	3	100%
Theme 6: Multilingual Web	20	8	40,00%
Total	139	41	29,50%

	Nr of proposals submitted	Nr of proposals retained	% of retained /submitted
Pilot A	4	4	100%
Pilot B	104	25	24,04%
Thematic Network	14	8	57,14%
Best Practice Network (BPN)	17	4	23,53%
Total	139	41	29,50%

### WP2011

Call5: 1 March - 1 June 2011

Indicative budget					
	Call for proposals	Theme 1 : ICT for energy efficiency and smart mobility	24 M€		
		Theme 2 : Digital content	38 M€		
		Theme 3: ICT for health, ageing well and inclusion	18 M€		
Operational Budget		Theme 4: Innovative government and public services	21.5 M€		
		Theme 5 : Open innovation for Internet-enabled services in smart cities	14 M€		
	Calls for t implemen	9.5 M€			
		TOTAL	125 M€		

Themes and objectives	Funding Instrument	Budget and Intended number of proposals to be funded
Theme 1: ICT for a low carbon economy and smart mobility		24 M€
1.1: Innovative lighting systems based on Solid State Lighting (SSL)	Pilot B	2 to 3 pilots - up to 10 M€
1.2: ICT for Energy Efficiency in Public Buildings	Pilot B	Several pilots - up to 7 M€
1.3: Smart Connected Electro-Mobility	Pilot B	up to 3 pilots up to 7 M€
Theme 2 : Digital Content		38 M€
2.1: Aggregating content in Europeana	BPN	Several BPNs
2.2: Digitising content for Europeana	Pilot B	Several pilots
2.3: Raising awareness of Europeana and promoting its use	BPN	Several BPNs
2.4: eLearning	Pilot B	One or more pilots - up to 8 M€
Theme 3 : ICT for health, ageing well and inclusion		18 M€
3.1: ICT Solutions for Fall prevention and ICT and Ageing network	Pilot B and TN	Several pilots and one TN - up to 9 M€
3.2: Digital competences and social inclusion	Pilot B	1 pilot - up to 2 M€
3.3: e-accessibility	Pilot B	1 pilot - up to 3 M€
3.4: Empowering patients and supporting widespread deployment of telemedicine services	Pilot B and TN	1 pilot and one TN - up to 4 M€
Theme 4: ICT for Innovative government and public services		21,5 M€
4.1: Towards a cloud of public services	Pilot B	Several pilots - up to 10 M€
4.2: Towards a single European electronic Identification and authentication area	Pilot A	1 pilot - up to 8,5 M€
4.3: Piloting IPv6 upgrade for eGovernment services in Europe	Pilot B	1 pilot - up to 3 M€
Theme 5: Open innovation for internet-enabled services		14 M€
5.1: Open Innovation for future Internet-enabled Services in "smart" Cities	Pilot B	Several pilots

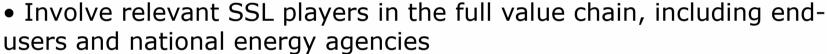
## Description of the Objectives



## Objective 1.1: Innovative lighting systems based on Solid State Lighting (SSL)

### 2 to 3 pilots B for up to 10M€

- A broad range of general lighting applications
- Reliable data on energy and economic savings



- Address BOTH improved energy efficiency AND better light quality.
- Showcase of the full exploitation potential of SSL technology, including its integration with intelligent lighting systems.
- Test the performance of state-of-the art SSL products and intelligent light management systems in terms of total life-cycle costing, reliability, interoperability with facility management of buildings, etc.

## Objective 1.1: Innovative lighting systems based on Solid State Lighting (SSL)

- Where should they take place?
- Given the expected scale and scope, and to maximise impact and visibility, possible locations include:
  - Airports
  - Public buildings
  - Museums
  - Commercial centres (e.g. shopping malls)
  - Retail outlets
  - Offices
- Pilots could address more than one of these in more than one location(e.g. in the main spaces, shops, restaurants, cafeterias, bars, parking).
- Each pilot should showcase or demonstrate a variety of SSL applications Signage or indication functions could also be incorporated.
- Refurbishment of existing infrastructure, rather than installation in new buildings.
- 7 April 2011: SSL pilots workshop (Brussels); register at

infso-SSL@ec.europa.eu

## Objective 1.2: ICT for energy efficiency in public buildings

### Several pilots B up to 7M€

- Objective: to improve, through ICT-based solutions, energy efficiency in European public buildings (e.g. schools, hospitals, administrative offices)
- Demonstrate that advanced ICT components and systems (e.g. smart metering, smart lighting, power electronics, energy microgeneration, etc.) can contribute directly to reducing energy losses and consumption in public buildings, in peak and annual consumption more than 15%
- Validate the effectiveness of ICT-based solutions, serve as showcases, facilitate their wider uptake and replication
- Address interoperability issues, comply with relevant standards, take into account best practices and relevant standardisation effort
- Involve significant number of buildings, ICT providers, distribution network operator, building managers and public authorities

## Smart lighting in public buildings: Objective 1.1 or Objective 1.2?

Objective 1.2: "ICT for energy efficiency in public buildings" could also address smart lighting. The correct Objective depends on the focus of the proposed pilot:

- If the main emphasis is on SSL and in showcasing its benefits when compared to traditional lighting,, then it should be submitted to **Objective 1.1**.
- If it includes smart lighting together with many other energy saving technologies (such as smart metering, power electronics, energy micro-generation, etc.) then it should be submitted to Objective 1.2.

## Objective 1.3: Smart Connected Electro-Mobility

### Up to 3 pilots B up to 7M€

#### Focus and outcomes:

- Contribute to a pre-deployment and wider uptake of smart connected Electro Mobility;
- Test urban and inter-urban ICT services that facilitate and enhance the user experience of electrical vehicles.
- Focus on ICT applications for electro-mobility that contribute to the full integration of electrical vehicles into the transport system;
- All types of electric vehicles and plug-in hybrids should be considered;
- Attention on the origin of the electric energy used (coal, gas, renewable, etc...).

## Objective 1.3: Smart Connected Electro-Mobility

- The European Standardisation Organisations (ESOs) are currently deploying standards for Electro-Mobility. The pilots should test the interoperability of these standards;
- Focus on ICT based services, complementing ongoing EU projects and pilots;
- Include specific and realistic quantified indicators to monitor progress.
- Participation of relevant stakeholders like public authorities, electricity utilities, automotive industry and suppliers, users, etc.
- Pilots should be designed to form a scalable base for long term deployment;
- Dissemination and communication activities should be included.



## Objective 2.1: Aggregating content for Europeana

#### **Several Best Practice Networks**

- Aggregate existing digital cultural content held by cultural institutions to make it available through Europeana
- Align metadata and mappings with the specifications of Europeana
- Improve interoperability between content management systems of individual content providers and Europeana platform
- Material should be selected through thematic approach and of interest to a broad public

### Europeana

- an online multilingual access point to digital cultural material from the whole of Europe (books, newspapers, photographs, films and audiovisual works, documents from archives, museum works, architectural and archaeological heritage, etc.)
- which provides an excellent opportunity to showcase the cultural heritage of the Member States, as well as to increase access to, and knowledge of, that heritage;

COUNCIL CONCLUSIONS ON EUROPEANA
3013th Council meeting
Education, Youth and Culture
Brussels, 10 and 11 May 2010

## Objective 2.2: Digitising content for Europeana

#### Several Pilots B

- Targeted digitisation actions in synergy with and complementing collections already accessible through Europeana
- It should cover masterpieces of Europe's cultural heritage
  - work of outstanding creativity, skill or workmanship or piece of work that has been given much critical praise
  - representing legacy of physical and intangible attributes of the past of a group or society
  - inherited, maintained in the present and worthy of preservation for the future
    - e.g. works of literature, paintings, drawings, sculptures, prints, monuments, films, music, etc

## Objective 2.3: Raising awareness of Europeana and promoting its use

#### **Several Best Practice Networks**

- Launch an awareness campaign in order to publicise Europeana among the broadest possible public,
  - The campaign must ensure consistency of message and the complementary use of media, including both online and offline channels
- to promote the use of Europeana content for research, learning and leisure and to encourage cultural institutions to provide content through the site
- Improve Europeana functionalities to ensure a central place for the user,
- addressing user friendliness, search and browsing improvements, cross-language access.

#### **Budget for 2.1, 2.2 and 2.3: 30 M€**

## Objective 2.4: eLearning

#### One or more Pilots B up to 8 M€

- Aim: set up and roll out a socially-powered, multilingual portal for teachers, pupils and parents in order to
  - accelerate the adoption of eLearning resources and make them widely used in national curricula
  - test innovative eLearning solutions and exchange **Best Practices**
  - monitor and assess impact of eLearning
  - generate a showcase of sufficient scale
  - across borders, across languages, across different educational systems

## Objective 2.4: eLearning

#### Projects will have to:

- Find ways to motivate teachers, pupils and parents to use the portal (stimulate demand)
- Allow them to discover, discuss and improve eLearning resources in that portal
- Provide access to existing repositories of eLearning resources
- Target and involve schools in various EU member states and make them integrate eLearning resources in their curriculum

## Objective 3.1a: ICT solutions for Fall prevention and detection

## Several Pilots B up to 8,5 M€ Prevention of falls and fall detection

- Wider support safety and independent living (integrated solutions)
  - prolong independent living of people at risk of falling
- Home settings (institutional settings may be additional)
- Solutions as part of comprehensive (beyond ICT) approaches
- ICT based solutions building on
  - wide validation of **integrated** (not individual) components
  - address full needs (organisational re-engineering, business models, financial planning); various contexts EU wide
- **Real life settings** 
  - real-life testing; consolidated requirements set; validated functional specs
  - credible **methodology** & pilot **population** (e.g. people who had falls – but safety) -> for significant results (socio-econ impact)
  - public authorities involvement

## Objective 3.1b: ICT and Ageing Network

### One Thematic Network up to 0,5 M€

- Develop guidelines for deployment of innovation in ICT & Ageing Well and share good practices across Europe
  - Many existing & emerging initiatives on Innovation in ICT and Ageing at national level and regional level, difficult to identify and contact and with little cooperation exist between them
- Build on the key national or regional stakeholder platforms associated with ICT & Ageing
- Industry, users organisations, public authorities, investors, housing and insurance companies and service providers should participate
- Coordination with related EU level activities, as ageing well pilots, relevant national pilots
- Contribute to key events and activities
  - Regular workshops
  - Exchange of current results and experiences

## Objective 3.2: Digital competences and social inclusion

### One Pilot B up to 2 M€

- Help to develop digital competences and digitally supported professional skills for social inclusion actors - special focus on domiciliary care workers
- Digital competence on relevant tools BUT not only 'care' related
  - Online learning & training; tailored packages on digital competences or other relevant competences that can be acquired online
  - Assessment and certification schemes for digital competences and skills needed for Social inclusion actors
  - Channels for communication, collaboration and support
  - Design e-Accessibility, usability; multilingual where relevant
  - Dissemination various audiences & levels (experts, authorities, public)
- Build on realistic scenarios "normal" operations (service provision )

## Objective 3.3: e-accessibility

### One Pilot B up to 3 M€

- To reinforce the e-accessibility implementation across Europe,
- Notably in the area of public services,
  - "European Interoperability Framework" for e-government (IDABC), inclusive e-government aspects, accessibility requirements for public procurement
- Through the provision of common approaches
- Leading to the <u>creation and the delivery of accessible services</u> for people with disabilities
- and the monitoring of accessibility through multiple platforms.
- Technology guidance on multiple platforms (web, digital TV, mobile, public digital terminals). In particular:
  - Tools, templates and specifications for accessible web page creation and design, content creation and management.
  - Automatic and manual testing
  - Quality control certification and conformance aspects.
  - To take into account existing specifications

# Objective 3.4a: Empowering patients and supporting widespread deployment of telemedicine services

### One Pilot B up to 3,5 M€

- To validate services based on secure and user friendly online access by patients to their health data (in real life settings), to evaluate the benefits and prepare for their wider deployment.
- Key players involved in the provision of online eHealth services (incl. e-booking, referral tracking, chronic disease management support, repeat e-prescriptions...)
- Health and economic evaluation of services
- Business model for long term sustainability
- Recommendations for minimum set of services and their EU-wide implementation

## Objective 3.4b: Supporting widespread deployment of telemedicine services

#### One Thematic Network up to 0,5 M€

- The objective is to facilitate good practice exchange; build stakeholder consensus; prepare commitments on actions to lift barriers to widespread telemedicine deployment
- Experts: national telemedicine associations, MS and Associated Countries, patient organisations, health professional orgs
- Specific guidelines to accelerate telemedicine deployment to achieve widespread deployment by 2020
- Addressing legal, organisational, technical, market related issues

## Objective 4.1: Towards a cloud of public services

#### Several Pilots B up to 10 M€

- Breaking Silos
- Opening and reuse of services
- Deployment of new architectures
- Large scale demonstrators
  - 12 Month piloting
  - Develop business case
  - Should include all relevant stakeholders, private/public services providers
  - Dissemination is important activity

## Objective 4.2: Towards a single European electronic Identification and authentication area

#### One Pilot A up to 8.5 M€

- Towards the creation of a fully operational framework and infrastructure for electronic identities in EU
- use of eID in a number of different application sectors, such as banking, transport, ...
- Address interoperability between the different systems
- validate the architecture for an EU-wide eID management and authentication infrastructure
- Pilot should include at least 3 MS from different sectors
- Build on STORK (CIP)
- Dissemination critical

## Objective 4.3: Piloting IPv6 upgrade for eGovernment services in Europe

#### One Pilot B up to 3 M€

- Complementary experiments
- One experiment must have a cross border dimension
- Leadership by stakeholders from different MS
- Participation of stakeholders at the level necessary
- Start from a baseline project
- Prepare a transition plan from IPv4 to IPv6
- Exploit synergies between experiments
- Strong focus on dissemination

## Objective 5.1: Open innovation for Internet-enabled services in "smart" Cities

### Several Pilots B up to 14 M€

- A cross-border network of smart cities exploit synergies and best practices by sharing common service platforms and related services and applications
  - At least 3 cities in different Member States (or AC)
- Local Governments City authorities and public service operators - driving role
- Key areas include: key policy objectives such as aging society, environment, reducing energy consumption, transportation, empowering patients, inclusion of people with disabilities

## Objective 5.1: Open innovation for Internet-enabled services in "smart" Cities

- Leverage on ultrafast fixed and wireless
   Internet connectivity, based on an
   appropriate combination of innovative, but
   mature, technologies
  - Mobile such as LTE (Long Term Evolution) networks
  - Digital dividend
  - Wireless devices and interfaces, mobile and location based technologies, cloud resources, sensor networks
  - Trust and security must be addressed explicitly
- Features and elements of a "Smart City", e.g. Internet of Things perspective
  - Instrumented
  - Interconnected
  - Intelligent

## Description of the Instruments



### Who can participate?

- The programme is open to <u>all legal entities</u> established in the EU Member States
- Legal entities established outside the EU may participate on equal terms with Member States on the basis of and in accordance with the conditions laid down in the association agreements (associated countries\*)
- Other third countries may participate on a case-by-case basis but will not receive any funding

\* Iceland, Lichtenstein, Norway, Croatia, Turkey, Serbia

#### Instruments overview

#### **Three complementary instruments** based on combined approaches:

Building on initiatives in member states / associated countries > Pilots Type A

Stimulating innovative use of ICT in public & private sector → Pilots Type B

**Mobilisation/Exchanges** between practitioners & policy makers → Thematic Networks

#### One "transitory" instrument, reserved for "digital library" theme:

Combining consensus building / awareness raising / large scale implementation > BPN (Best Practice Network)

### Implementation through Call for Applicants

## Pilots Type A

### **Main features of Pilots Type A**

- Focus on interoperability and building on Member States solutions
- Member States Lead actors (Industry key role in the Implementation)
- The outcome should be an **open, common interoperable solution** with results widely disseminated and available to all Member States (> 1 project per objective)

#### **Scale and participants**

• Legal minimum of **6 Member States** (=national administrations or competence centres acting on their behalf) or associated countries participating in the consortium.

## **Duration and Funding**

- Duration is typically up to **36 months** with a pilot service operating for 12 months.
- The EU contribution is limited to the **costs** for achieving interoperability. The indicative Community contribution available is 5-10M€ / pilot

## Pilots Type B

## **Main features of Pilots Type B**

- Carry out an **implementation** of an ICT based innovative service under realistic conditions. Replication and wide validation of best practices can be specified in objective.
- emphasis on fostering innovation in services → e.g. take-up completed R&D work, extend already tested prototype services or combine / integrate several partial solutions to realise a new innovative approach

### **Scale and participants**

- Minimum of **4 legal entities** from 4 different Member States or associated countries.
- Consortia are expected to engage the complete service value chain, including relevant public authorities (sustaining partners), service providers, industrial stakeholders & users

## **Duration and funding**

- Duration is typically 24-36 months including the operation of a pilot service
- The Community contribution is typically in the range 2-3 M€ / pilot

## Thematic Networks

#### **Main features of Thematic Networks**

- bring together stakeholders explore new ways of implementing ICT based solutions.
- E.g. working groups, workshops, exchanges of good practices in view of action plans, standards and specifications
- Clearly defined and measurable results shall be in the public domain.

### **Scale and participants**

Minimum 7 legal entities from 7 different Member States or associated countries.

### **Duration and funding**

- Duration between 18-36 months.
- EC contribution is 300-500 K€/network funded through lump sums

## **Best Practice Network**

## Main features of Best Practice Network (BPN)

- Only for the **digital libraries** theme, only for a transition period up to 2011.
- Promote the adoption of respective standards and specifications by combining the "consensus building and awareness raising" function of a network with large-scale implementation on a sufficient mass of content.
- The commission can organise "Clustering meetings" in order to **achieve broad consensus and create the conditions for the widest possible uptake** of the recommendations of the BPNs.

### **Scale and participants**

• Legal minimum of **7 legal entities** from 7 different Member States or associated countries.

### **Duration and funding**

• The indicative Community contribution available is 3 - 5 M€ per BPN

# How to submit a proposal and how to get further support



# Electronic Submission

- Proposal coordinator registers with the EPSS on our call page and obtains ids and passwords for himself and his partners
- The consortium prepares the proposal, then submits it before the deadline
- Submission failure rate =  $\pm$  1%

Only reason; waiting till the last minute

Technical problems

Panic-induced errors

Too late starting upload, run out of time

# Eligibility of proposals

Proposals must be submitted before the call deadline - 1st June 17h00 - using the Commission's electronic proposal submission system (EPSS)

Non-eligible proposals are not evaluated!

## Submission

## Submit your proposal in good time!

- Familiarise yourself with the EPSS system
- Submit early; check what you submitted
- Don't make last minute changes
- And if in trouble, call the EPSS helpdesk!
   +32 2 233 3760

# Key information for proposers

- ICT PSP Workprogramme 2011
- Guides for Applicants
   (including the guidance notes for evaluators)
- FAQs
- EPSS manual
- Model grant agreement
- Handbook on evaluation and selection of proposals
- Infoday Presentations

All this information available at Call Page:

http://ec.europa.eu/information society/activities/ict psp/partici pating/calls/call proposals 11/index en.htm

# Pre-proposal check

Use the pre-proposal check service\* to make sure your proposal is eligible and in scope for this call.....

......And do it before you prepare your proposal, not afterwards

\*described in the Guide for applicants

# ICT Helpdesk

Use the ICT PSP Helpdesk\* to check any financial or legal elements you are uncertain about.....

......And do it before you prepare your proposal, not afterwards

\*address in the Guide for applicants

# Getting help with your proposal

## The Commission supports:

 A supporting website of advice, information and documentation:

http://ec.europa.eu/ict\_psp

- Information days and briefings in Brussels and elsewhere
- Partner search facilities:

http://www.ideal-ist.net/

# Getting help with your proposal

 An ICT PSP Helpdesk for proposers' questions

infso-ict-psp@ec.europa.eu

- An EPSS helpdesk tel: +32 2 233 3760 email <u>support@epss-fp7.org</u>
- A pre-proposal check service
- A list of contact persons for the objectives in each call

## ICT PSP Website

- General information about the programme
- **Dynamic newsroom**
- **Participating in ICT PSP** 
  - Information about calls (WP, infoday slides, guiding documents)
  - Specific workshops and contact points for themes and objectives
  - **Expert registration and experts database**

Running activities and projects

- Library
- **Frequently Asked Questions**
- Logo (branding)

http://ec.europa.eu/ict\_psp



# Getting help with your proposal

 And a network of National Contact Points in Europe and beyond:

http://ec.europa.eu/information society/activities/ ict psp/contacts/index en.htm

## ICT PSP Call 5



