



CIP ICT-PSP

Implementation Report 2012

Competitiveness and Innovation framework Programme (CIP)
ICT Policy Support Programme (ICT-PSP)

Approved by : Name

0.0 version : Name

Date: 25/04/2013



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1 INTRODUCTION: THE ICT PSP

The ICT PSP aims to stimulate innovation and competitiveness and accelerate the development of a sustainable, competitive, innovative and inclusive information society. It supports activities to accelerate innovation and implementation of ICT based services and systems through the wider uptake and better use of ICT and the exploitation of digital content by citizens, governments and businesses.

The uptake of ICT in businesses is in general addressed by the private sector for which public policies focus on creating the best conditions for business developments and on raising awareness of the benefits of the technology innovations notably to SMEs.

The uptake of ICT and exploitation of digital content in areas of public interest like health, inclusion, cultural heritage, public sector information, learning, public administrations and energy efficiency requires more proactive policies. The major hurdles for a wider and better use of ICT in those areas include the unavailability of ICT-based services, the lack of interoperability of solutions across the Member States as well as the market fragmentation of the information space and of ICT-based solutions.

The ICT PSP helps overcome the hurdles hindering the development of an information society for all in support of the EU policy goals. It helps develop markets for innovative ICT- based solutions and digital content notably in areas of public interest. This helps open a wide range of new business opportunities in particular for innovative SMEs that provide such solutions.

The ICT PSP supports mainly pilot actions aimed at solving interoperability issues and validating innovative ICT based services in real settings. It also supports networking actions developing experience sharing and consensus building. Those actions are complemented by benchmarking the development of the information society in Europe, supporting policy development and coordination through analysis and awareness raising actions.

2 OVERVIEW OF ICT PSP ACTIVITIES IN 2012

2.1 WORK PROGRAMME 2012

The annual work programme for 2012 was established by Commission Decision C(2011) 9230 of 2011 following the positive opinion of the ICT PSP Management Committee (CIP- ICTC) on 15 December 2011 and the EP scrutiny period.

The total budget available for the ICT PSP Work programme 2012 was € 139,4 million¹.

The ICT PSP work programme 2012 was based on the following five priority themes:

- Theme 1: ICT for "smart" cities

¹ This amount includes additional contributions coming from third countries (Croatia, Montenegro, Serbia, Turkey in 2012)

- Theme 2: Digital Content, open access and creativity
- Theme 3: ICT for health, ageing well and inclusion
- Theme 4: ICT for innovative government and public services
- Theme 5: Trusted eServices and other actions

Those themes have mobilised the bulk of the budget. They have been addressed through specific objectives supported by a limited number of high impact pilot projects and thematic networks.

The pilots and the thematic networks have been selected through one open call for proposals for a total indicative budget of € 127 million. The call - ICT PSP Call 6 – was open from 3 February to 15 May 2012².

Implementation measures for call for proposals

Two types of pilot actions are supported:

- Pilot A: pilot building on existing national initiatives and aiming at developing interoperability and preparing for EU wide implementation of ICT based services.
- Pilot B: pilot showcasing and testing innovative ICT based solutions at real scale to demonstrate technical, organisational and legal feasibility

In both cases, particular attention is paid on facilitating the scalability, further integration, replication or wider adoption of the piloted solutions.

Thematic networks gather relevant stakeholders in relevant areas for sharing experience, building consensus and preparing for further deployment of ICT based services in those areas.

A fourth implementation measure – Best Practice Network (BPN) - concerned the Theme 2 "Digital Content" only. Best Practice Networks promote the adoption of standards and specifications for making European digital libraries more accessible and usable. They combine the "consensus building and awareness raising" function with the large-scale implementation in real-life context of one or more concrete specifications or standards.

Other measures

² The ICT PSP Work Programme 2012 and information on the ICT PSP Call 6 for proposals are available on:
http://ec.europa.eu/information_society/activities/ict_psp/participating/calls/call_proposals_12/index_en.htm

Other implementation measures concern benchmarking, studies, support to conferences and events. They have been supported through calls for tenders or grants without calls for proposals for a total amount of € 12,4 million.

2.2 IMPLEMENTATION OF WP2012

2.2.1 Focus on key running projects (resulting from previous Calls for Proposals)

- *Interoperable online authentication schemes and eID management systems*

The large-scale CIP ICT PSP pilot *STORK 2.0*³ (Secure idenTity acrOss boRders linKed) started in the spring 2012. It complements and builds on the work of the previous STORK project on making the cross-border use of electronic identification possible, allowing citizens and businesses to use the eID technology of their home country to access eGovernment services in any Member State they live in or travel to. One of the achievements of STORK was also the integration with the European Commission's identification system, ECAS.

Around 60 beneficiaries are involved in STORK 2.0. STORK 2.0 will pilot a single European electronic identification and authentication system in the following areas: eLearning & Academic Qualifications, eBanking, Public Services for Business and eHealth.

- *Interoperable cross border eProcurement services*

The large-scale CIP ICT PSP pilot PEPPOL⁴ (Pan-European Public Procurement On-line) finished successfully in August 2012. The pilot engaged 18 stakeholders such as public authorities, service providers and research centres from 11 European countries. After the completion of the PEPPOL pilot project stage (8/2012) an international non-profit organisation, OpenPEPPOL, took over ownership of PEPPOL results and governance responsibilities.

The project developed and piloted interoperable e-procurement components and a common transport infrastructure for the post-award procurement. The PEPPOL e-procurement components include e-attestation, e-signature validation, e-catalogues, e-ordering and e-invoicing. The common transport infrastructure is a foundation for the PEPPOL post-award services. It interconnects the different e-procurement communities. The project's developed solutions continue being taken up, especially in e-invoicing. There are currently 60 PEPPOL access points (as of 4/2013). The European Commission implemented its own eProcurement platform (ePRIOR) that is also connected to the PEPPOL network.

³ <http://www.eid-stork2.eu>

⁴ www.peppol.eu.

PEPPOL has also been recognised in the EC policy: "A strategy for e-procurement"⁵ and in the European eGovernment Action Plan 2011 – 2015⁶.

- *Interoperable cross-border electronic procedures for setting up a business in another European country (in the context of the Services Directive)*

The large-scale CIP ICT PSP pilot *SPOCS*⁷ (Simple Procedures Online for Cross-border Services) ended in the end of 2012. The pilot worked on providing seamless cross-border electronic procedures for setting up a business in another European country in the context of the Services Directive, making the 'Points of Single Contact' easier to use across borders. More than 30 beneficiaries from 16 Member States (or CIP programme's associated countries) were involved in this cross-border business services pilot. The project results are available for re-use at the SPOCS Starter Kit site⁸.

- *e-Justice communication via online data exchange*

The e-Codex e-justice project has beneficiaries from over 20 Member States (or CIP programme's associated countries). The project finished the stock taking phase and definition of the technical requirements during the first half of 2012. For the transport infrastructure, the e-Codex project is working on an e-Delivery convergence initiative in order to reuse results from the other pilot As (PEPPOL and SPOCS).

The e-Codex piloting phase will start in 2013. The piloting starts with cases from the domain of civil law, where the focus will be on citizens and legal professionals communicating with courts, mostly through the European eJustice Portal. Another set of use cases, centred around criminal law, will start later.

The e-CODEX project extension through the 2012 call for proposals extended the project to further pilot use cases and involved more Member States in the project.

The CIP pilot A initiatives just described above are of particular relevance for the EC's proposed Connecting Europe Facility (CEF)⁹ as regards to its support to digital service infrastructures. The proposal foresees support to build infrastructure needed to roll-out cross-border services digital service infrastructures. The aim of the CEF would serve to ensure interoperability and meet the costs of running the infrastructure at European level, linking up Member States' infrastructures.

⁵ COM92012)179

⁶ COM92012)743

⁷ <http://www.eu-spocs.eu/>

⁸ <http://www.eu-spocs-starterkit.eu/>

⁹ http://ec.europa.eu/budget/reform/commission-proposals-for-the-multiannual-financial-framework-2014-2020/index_en.htm

- *A socially-powered and multilingual open learning infrastructure to boost the adoption of eLearning resources across Europe*

The large scale piloting project **Open Discovery Space** (51 organisations from 23 countries) aims to contribute to the modernization of education and training by stimulating the adoption and integration of new technologies for learning and teaching. The project contributes to Action 68 of the Digital Agenda for Europe.

Open Discovery Space engages education stakeholders in the co-creation of innovative educational practices and in the production of meaningful user-generated educational activities. Teachers, students and parents are empowered to unleash their innovative potential through the use of a socially powered, multilingual, open, learning, infrastructure offering a single point of access to ~1.550.000 digital educational resources and more than 15 tools for the production of educational activities.

Open Discovery Space will engage around 10.000 teachers and 40.000 pupils from 2.000 schools, supporting stakeholders in acquiring digital competences, stimulating demand for innovative eLearning resources and engaging teachers and pupils in the development of innovative educational practices.

- *Delivering a cross borders infrastructure for the management of private data*

European citizens are becoming increasingly mobile, and upcoming opportunities are growing for students and citizens alike. One major issue in helping mobility is decreasing the administrative burden linked to moving; how can a citizen easily carry over his personal information from one administration to another? How can a student provide access to his course curricula and results to a new university? But equally important, how can citizens and students retain full control over what information is provided and to whom? How can support be provided to exchange information on a “need to know” basis across Europe?

The project **SEMIRAMIS** -Secure Management of Information across Multiple Stakeholders- has successfully developed and deployed a flexible and efficient solution for a secure exchange of administrative documents and personal information between universities, telecommunication operators, solution providers and public administrations. During its lifetime, the project developed a complete infrastructure, deployed it across Germany, Italy, Poland, Portugal and Spain and involved over 300 users actively testing the services provided. Its architecture is fully operational and its core components and libraries are available online as open source under the GNU Lesser General Public License (LGPL). Achieved results have also been transferred to the STORK 2.0 project¹⁰ focused on delivering the European eID Interoperability Platform.

¹⁰ www.eid-stork2.eu

- *ICT PSP Projects in the area of ICT for Ageing Well*

In response to the challenges and opportunities presented by an ageing population, a cluster of pilot projects were launched within the Action Plan for Ageing Well in the Information Society. The aim of these pilots was to implement various ICT solutions at pilot sites across Europe to demonstrate and provide evidence of the socio-economic return of investment. More than 50 regions and 20.000 users have been involved.

A first batch of pilots came to a successful conclusion in the course of 2012. Two of them are highlighted below.

CommonWell aimed to enable and improve the integration of health and social care, by implementing ICT-based solutions. The pilot phase of the project ended in early 2012. It was clearly demonstrated that a flexible integration with ICT-services can result in tangible improvements for service users, care professionals and service providers. Many patients reported a greater sense of reassurance and increased confidence in managing their condition. Staff across pilot sites reported that the CommonWell services had a largely positive effect on their job satisfaction, and improved speed and efficiency of services. In June 2012, the British Journal of Healthcare Computing published the results for the pilot testsite Milton Keynes: improved quality of life for COPD patients, reduced hospital admissions and visits to GPs, and a long-term socioeconomic return of 28%. CommonWell integrated services are now in real-life operation at all pilot sites.

The **DREAMING** project applied ICT-based services to extend the independent life of elderly people, while providing them with the safe environment they could expect from a care home. The DREAMING services included monitoring and alarm handling (via medical devices and environmental sensors) and a powerful Decision Support System. In pilots the impact was assessed of ICT-based solutions on economic and clinical indicators, financial sustainability and user satisfaction. In a randomized controlled trial, substantial economic benefits for health and **social care** systems were demonstrated for 5 out of 6 pilot projects. For an average of 18,5 patients, total costs for health and social care were € 676.932 as opposed to € 1.024.934 for the control group, which suggests efficiency gains of some 35%.

- *Testing urban and inter-urban ICT services that facilitate and enhance the user experience of electrical vehicles*

MOBI.Europe is 1 of the 4 projects in the cluster of CIP projects on electro-mobility (Mobi.Europe, SMARTCEM, ICT4EVU, Molecules). These four pilot actions will test urban and inter-urban ICT services that facilitate and enhance the user experience of electrical vehicles. The piloted ICT services support real-time interaction between the driver, the vehicle and the transport and energy infrastructures. This includes Electric Vehicle pre-trip and on-trip planning and optimisation including energy use and charging as well as vehicle to grid connectivity, through e.g. co-operative systems. ICT support systems to facilitate car-sharing schemes for electrical vehicles in urban areas and the associated business models, billing and seamless integration with other modes of transport is another area of work for these pilots. Each of the pilot actions brings together all stakeholders

needed for successful wider uptake of the piloted services from cities, vehicle manufacturers, electricity suppliers, and many more.

- *Energy efficiency in social housing*

3e-Houses, **E3SoHo** and **eSESH** are projects in the area of ICT for energy efficiency in social housing, selected under CIP ICT-PSP call 3/2009. They implement ICT solutions in several pilots in different geographic areas across Europe, involving social housing organisations as well as tenants, creating awareness around the energy consumption of users and therefore a change in their energy-use patterns. These projects have initiated and delivered a common methodology for energy efficiency measurement, which was taken on board by other on-going CIP projects in the same area of energy efficiency in social housing, such as ICE-WISH, BECA, SHOWE-IT, selected under CIP ICT-PSP call 4/2010. Going further, CIP projects in the area of ICT for energy efficiency in public buildings, selected under CIP ICT-PSP call 5/2011, are applying also a common methodology for calculating energy savings through ICT, developed under the SMART Study 2011/0072 "Methodology for energy-efficiency measurements applicable to ICT in buildings" with the contribution of CIP projects, included those selected under CIP ICT-PSP call 2/2008. Using the methodologies for both residential and non-residential buildings, the software tool developed under the SMART Study allows the projects to introduce the energy savings in pilots, in order to produce, based on the collected data, a quantitative analysis of energy savings potential of ICT solutions

- *Supporting Cross border eHealth services and deployment of telemedicine services for chronic disease management and ageing*

The large-scale pilot **epSOS** and the Thematic Network **SEHGovIA** aim to defined areas of work of the eHealth Governance Initiative are legal issues, semantics and terminology, identification and authentication and standardization and specifically for cross border healthcare on eHealth by adopting common sets of rule for health records semantics and procedures.

The large-scale pilots **RENEWING HEALTH**, **PALANTE** and **SUSTAINS** and the Thematic Network **eHealth Innovation** and **Momentum** aim to provide evidence and to analyse the substrate needed to support wide deployment of telemedicine services for chronic disease management and ageing, including patient empowerment and patients accessibility to their medical records.

2.2.2 Projects resulting from the Call for Proposals in 2012

The pilots, best practice networks and the thematic networks retained through the call for proposals (Call 6) concerned 41 proposals (from 165 proposals received). The overall acceptance rate in this call is 25% of proposals (and 30% in funding terms).

The portfolio reflects an excellent coverage of the five themes with all the objectives addressed.

The portfolio is composed of high quality projects supported by consortia mixing public authorities, private companies - including SMEs - and other organisations. Almost all retained proposals include at least an SME in the consortium (158 out of 165).

Overall, public bodies represent 34% of participants in the selected proposals of the Call. SMEs represent 19% of the participants, 47% are large enterprises or other private organisations such as user associations.

The selected projects have been launched by the end of 2012 or during the first half of 2013 after negotiations. They address the different themes as follow:

- For "*Theme 1: ICT for "smart" cities, 10 Pilots (type B) are supported.*

EPLACE provides an online modular platform that will gather and analyse data obtained from smart energy monitoring and control systems (Green Cities Network of Real Living Labs) to provide customised recommendations for building and civic managers. EPLACE aims to test and validate innovative ICT solutions for monitoring and controlling energy sources and increasing user awareness within public buildings and public lighting systems to demonstrate that a total reduction above 15% of the annual energy consumption is possible. The validation of the proposed solutions will be carried out on 7 pilots with different public uses, in 3 different member states.

TEDS4BEE aims at achieving 15-30% energy consumption reduction in 9 public buildings (pilots) with different typologies, located in different EU climatic zones. Based on collected data it aims to provide benchmarking between the buildings and energy efficiency management guidelines (best practices). The target users are Public Building Managers and Energy Service Companies, ESCOs.

SUNSHINE aims to develop the following “smart” services: 1) energy assessment of buildings (“eco-maps”) and their energy pre-certification; 2) Heating/cooling forecast and alerts, based on optimised model of buildings and local forecasts; 3) Optimisation of power consumption for street lighting. 10 pilots in 8 countries will be involved, covering more than 200 buildings and 2 complete area illumination systems.

Compass 4D will jointly implement the globally prioritised cooperative services, Forward Collision Warning, Red Light Violation Warning and Energy Efficient Intersection service, in seven European cities with the objectives of substantially improving road safety, increasing energy efficiency and reducing level of congestions for road transport. Strong cooperation with standardisation organisations ETSI and CEN is envisaged and the certification framework, required for pan-European and global deployment of these services will be further developed.

CROSS recognises unexploited opportunities for services and applications in the field of non-monetary economy. Sample activity areas considered for piloting are: Mutual service communities for assistance to elderly people; Communities for social inclusion of immigrants; Learning communities for support to under-privileged people; Communities of volunteers assisting persons with disabilities. CROSS aims to provide citizens with multiservice cards, able to manage non-monetary transactions, and to carry information from the user side about activities performed.

The key challenge for CROSS is to make the ecosystem realise and activate a number of digital services on a common platform and set of standards, specific for non-monetary transactions. Target users are: Public authorities, citizens, urban communities, public service providers, service and application developers. More than 300,000 end-users will be involved in the pilot, living in four smart municipalities.

RADICAL is designed to provide an open platform, allowing for the integration of new sensors, emerging social networks and the adaptation of services to specific environments as well as the development of smart city services by SMEs. It aims to enable access to data from social and sensors networks, and to facilitate the deployment of services across multiple cities. It supports user participation employing a living labs approach, based on statistical population samples.

SPECIFI capitalises on a key strength of European cities and professionals, i.e. their cultural and creative richness and diversity. It aims to link cities and regions through regional and European *Creative Rings*. Target users are (1) Cities and their Living Lab partners, (2) Citizens either living in or visiting a city and/or region, and (3) Creative Industry SMEs (*the Creative Industries include design, advertising, film and video, music, performing arts, printing, publishing and broadcasting companies*). SPECIFI will overcome some of the key weaknesses of the sector, e.g. fragmentation, a lack of technological tools and platforms, and a lack of sustainable business models.

The main objective of **IES Cities** is to establish an open technological platform in different cities across Europe, allowing citizens to provide and consume internet services based on their own or external data. The proposal fosters a user centred approach, targeting groups of citizens, SMEs, ICT-developing companies and public administrations. The project partners plan to establish a series of pilots offering different services developed for different users in 4 cities in Europe with a focus on mobility, environment, health, culture and city knowledge.

The aim of **My Neighbourhood** is to help recreate a lost sense of neighbourhood in European cities via the creation of the MyNeighborhood Portal. The services offered will adopt a “gamification” approach on the portal. The ultimate aim of the project pilots is to kick start a viral effect wherein neighbours and friends (within cities and across Europe) use the My Neighbourhood site to re-connect with one another, share new ideas, create new ways of interacting and help make their lives better.

The **TV-RING** project is based around 3 pilot regions and seeks to devise and demonstrate advanced Connected TV scenarios based on HbbTV platforms and NGA network infrastructures. The advanced services devised by TV-RING partners will be used to attract SMEs from the media and interactive production field and to demonstrate the potential for new transmedia and multistream TV formats. These services serve a large variety of end-user needs, ranging from escapism to acquisition of information essential to everyday life by increasing audience immersion, and by the use of high quality content and multiple devices.

- For "*Theme 2: Digital Content, open access and creativity*", 6 Best Practice Networks, 3 Thematic Networks, 2 Pilots A and 4 Pilots B have been selected.

For target outcome *2.1.a* "Content for Europeana", **LoCloud**, **eCloud**, **EUscreenXL**, **AthenaPlus** and **EAGLE** aggregate archaeological and architectural heritage content across European Universities, libraries, data centres and publishers; address a comprehensive body of professional audiovisual content; provide support to large number of museums and other key cultural institutions to making available more than 3.8 million objects through Europeana; contribute 1.5 million additional objects that to date have been difficult to access to Europeana; and improve search, retrieval and re-use of Europeana's content.

For target outcome *2.1.b*, "Experimenting with the use of cultural material for creativity", **Europeana Creative** will support and promote the re-use of cultural resources available via Europeana by establishing the Europeana open labs network of online and physical environments for experimentation and engagement, setting up a re-use infrastructure and extending the Europeana Licensing Framework from metadata to content, allowing content providers to make content available for re-use scenarios and to communicate the conditions necessary for commercial re-use. The proposal include five pilot applications (History Education, Natural History Education, Tourism, Social Networks and Design).

The target outcome *2.1.c*, "European Rights Information management", is covered by **FORWARD** and **RDI** that address both its aspects, namely the registry for audiovisual orphan works and the need for standards facilitating the development of systems for online rights trading including automated licensing.

For target outcome *2.1.d*, "Thematic Network on new business models for publishing in the digital age", the Thematic Network **TISP** will create a platform for discussion between publishers and technology providers on new business models for publishing in the digital age.

The target outcome *2.2.a* on "Geographic Information" is covered by two Pilots A that will develop a reference model that will facilitate access to geo-information regardless of country of origin (**ELFI**) and integrate public and private environmental data (**eENVplus**).

Under target outcome *2.2.b* "Open access to scientific information", the retained proposal focuses on exploring novel paradigms for discovering, querying, linking, aggregating, filtering, enriching, visualizing and publishing scientific data (**OpenScienceLink**). The services will be piloted with the active participation of over 1200 researchers .

Under target outcome *2.2.c* the call for a Thematic Network on "Legal aspects of public sector information and standards for open data" is covered by **LAPSI 2.0** which focuses on identifying legal barriers and obstacles to access and re-use public sector information in the European content market. However, no proposals reached the threshold in relation to call for a Thematic Network on standards for open data.

Under target outcome *2.2.d* "Organising competitions for using open data", **Apps4EU** focused on conducting annual pan-European open data competitions, local

national and related activities to support stakeholders in developing prototypes into viable business plans.

Under target outcome 2.3, "eLearning for mathematics, sciences and technology", **InspiringScience** plans to engage a significant number of schools, teachers and students in a large scale pilot bringing into the classroom a unique collection of digital resources and tools and sharing best practices in using ICT for science learning.

- For "*Theme 3: ICT for health, ageing well and inclusion*", 2 Pilots A, 2 Pilots B and 4 thematic networks are supported.

SmartCare aims to define a common set of standard functional specifications for an open ICT platform enabling the delivery of integrated care to older European citizens. Ten regions will pilot integrated health & social care services to combat a range of threats to independent living commonly faced by older people while other regions will prepare for early adoption. The pilot will produce and document much needed evidence on the impact of integrated care, developing a common framework suitable for other regions in Europe. The common services will allow efficient cooperative care delivery and empower older people to take part in effective management of their health, wellness, and chronic conditions and maintain their independence despite increasing frailty.

ReAAL plans to deploy innovative ambient assisted living solutions. The aim is to provide relevant services for older people in seven different countries incorporating around 7000 users. The full exploitation environment consists of uStore, Development Depot, run-time platform components running on native Android, Windows and Java. SMEs will adapt the devices required by some of the stand-alone native services and standard services.

The objective of **SEACW** is to create an Ecosystem for training, informing, raising awareness and providing tools for ICT and active and healthy aging. Three main target groups are considered: caregivers, elderly and the general population. Tools will be adapted to the elderly if necessary (interfaces, SmartTV, etc.) and will enable participants and visitors to immediately apply their knowledge and at the same time to get motivation to acquire more. The implementation is proposed in 15 regions with 15.000 participants.

ProFouND aims at setting up a network for fall prevention, supported by a digital platform to share experience and to give tailored advice to the individual users. Using meetings, seminars and conferences the project aims at creating a forum of stakeholders. The platform is complemented by a compilation of evidence based ICT supported prevention programmes for elderly people at risks of fall, thereby encouraging best practice across a significant number of European countries.

E-NO FALLS aims on building an open Thematic Network for all stakeholders within the value chain (such as industry, users organizations, informal and formal care providers, public authorities, investors, housing and insurance companies and service providers across Europe). It plans to integrate and bring knowledge, experiences and best practices in the area of fall prevention, intervention and safety

together and aims at coordinating on-going activities together with creating the necessary conditions and consensus on action plans, standards and specifications.

United4Health aims to deploy innovative telemedicine services building on those validated or under validation in the RENEWING HEALTH project. The new services will be trialled in 15 regions in a way that guarantees aggregation of data and comparability of results. All service solutions adopt a patient centred approach, and involve remote monitoring and treatment of chronic patients suffering from diabetes, Chronic Obstructive Pulmonary Disease (COPD) or Cardiovascular Diseases (CVD).

The **ANTILOPE** Thematic Network is composed of core European national organisations supporting the adoption and testing of existing eHealth standards and specifications defining an eHealth interoperability framework. Based on the results and recommendations in the HITCH project, the network is set up to promote and drive adoption of testing guidelines as well as testing tools on a European and national level. The network will arrange a number of events and workshops across EU Member States. The outcome will be a common approach for testing and certification of eHealth solutions and services in Europe

The **ENGAGED** Thematic Network focuses on active and vigorous community building. Consortium members are either specialist EU-level networks active in the field of active and healthy ageing or they are key regional, research and knowledge partners. ENGAGED aims to result in the creation of strong and sustainable community that is actively shaping the active and healthy ageing agenda and is delivering products that are considered useful by the members of the community. Through its working methods, this community aims to build and facilitate coalitions of stakeholders interested and willing to cooperate closely to promote the transferability of evidence, as well as common strategies, for wider deployment and market development of active and healthy ageing services that make best use of technology.

- For "*Theme 4: ICT for innovative government and public services* ", 3 Pilots A been selected.

eSens (target outcome 4.1) aims at integrating the results of the previously launched pilots A in different public services areas (STORK, epSOS, PEPPOL, eCodex and SPOCS) and at consolidating the building blocks these pilots have been and are still delivering. The objective of eSens is to finalise some of the key building blocks needed for the digital internal market and to integrate them in key application areas such as eProcurement, business mobility in the context of the services directive or eHealth.

eCODEX (target outcome 4.2) aims at extending the current project by adding several Member States (Bulgaria, UK, Lithuania, Poland and Norway). The consortium now also includes a standardisation body, OASIS from the US. The proposal will extend the scope of the currently ongoing project to include the exchange of sensitive information and also the interconnection of business registries.

Under target outcome 4.3 the extension of the **HeERO** Pilot A to new Member States or associated countries will demonstrate the scalability of the HeERO solution and widen the acceptance of eCall. To support this objective five member states and one ICT PSP Associated country will implement, conduct and coordinate pre-deployment pilots, including cross border ones. Three additional Member States will be associated following the pilots results: Hungary, Slovenia and Ireland. The proposal also foresees cooperation with Russian Federation. The HeERO2 partners will coordinate and benefit from the experience of the HeERO pilots.

- For "*Theme 5: Trusted eServices and other actions*", 3 Pilots B and 2 Thematic Networks have been selected.

For target outcome 5.1, the Pilot B **ACDC** addresses the identification, measurement, prevention, detection, mitigation, recovery and analysis of botnets, and proposes five services to cover the end-to-end approach. It focuses among others on the disinfection of end user's hosts, less so on addressing botnet takedown measures.

For target outcome 5.2, **MobiCloud** addresses business-critical applications in the city transit, rail, field service and constructions industries; it is based on an existing cloud platform and focuses on deploying services for complex use cases. Additionally proposal **MO-BIZZ** will improve an existing technology framework allowing businesses to rapidly develop and make available services to their customers using cloud-based mobile services.

For target outcome 5.3, both retained proposals focus on bringing together experiences that regional and national authorities have made, analyse the experience and then develop guidelines for sharing the best practices to disseminate information to regions in need. Both of them will also investigate potential deployment schemes and non-technological roadblocks. **SABER** has a very good coverage of regions and good overall and time-wise focused approach towards the tasks. **BRESAT** has also a good approach to achieve the objectives.

Activities such as dissemination and experience sharing are particularly important for all above pilots and networking actions in view of stimulating a wider adoption, replication or deployment of such innovative ICT based services across Europe.

More details on the projects and their budgets, as well as call statistics, are provided in Annex I.

2.2.3 Other measures in 2012

The other measures, including annual benchmarking of the European information society, studies and conferences have been also supported, for a total of € 12.4 million. Those measures have been implemented through calls for tenders or grants without call for proposals.

The list of actions and budget are provided in Annex II.

3 OVERVIEW OF ICT PSP BUDGET EXECUTION IN 2012

The total budget allocated to implementation of ICT PSP for the period 2007-2013 is €728 million¹¹.

The total amount of commitment appropriations attributed to the ICT PSP budget in 2012 was € 136 020 861.

The execution rate of these commitment appropriations was 100% in 2012.

4 FURTHER INFORMATION

Further information relating to the ICT Policy Support Programme, its implementation and the funded projects can be found on the programme web site at http://ec.europa.eu/ict_psp for what concerns activities up and including Call6, and on the new programme website <https://ec.europa.eu/digital-agenda/en/ict-policy-support-programme> for what concerns on-going activities.

¹¹ All figures in this section are exclusive of additional budget coming from third countries associated to the programme either than EFTA

Annex I

Projects resulting from the ICT-PSP Call for Proposals in 2012 (Call 6)
Details on the objectives and budget allocation

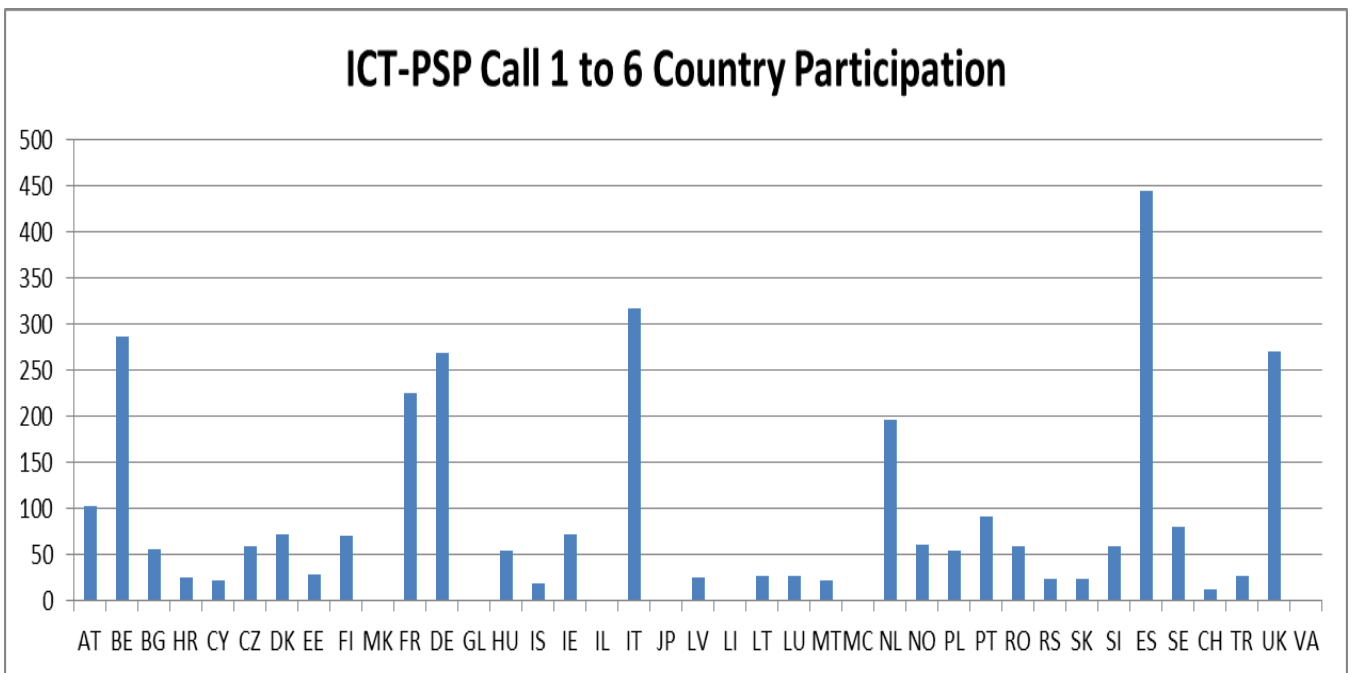
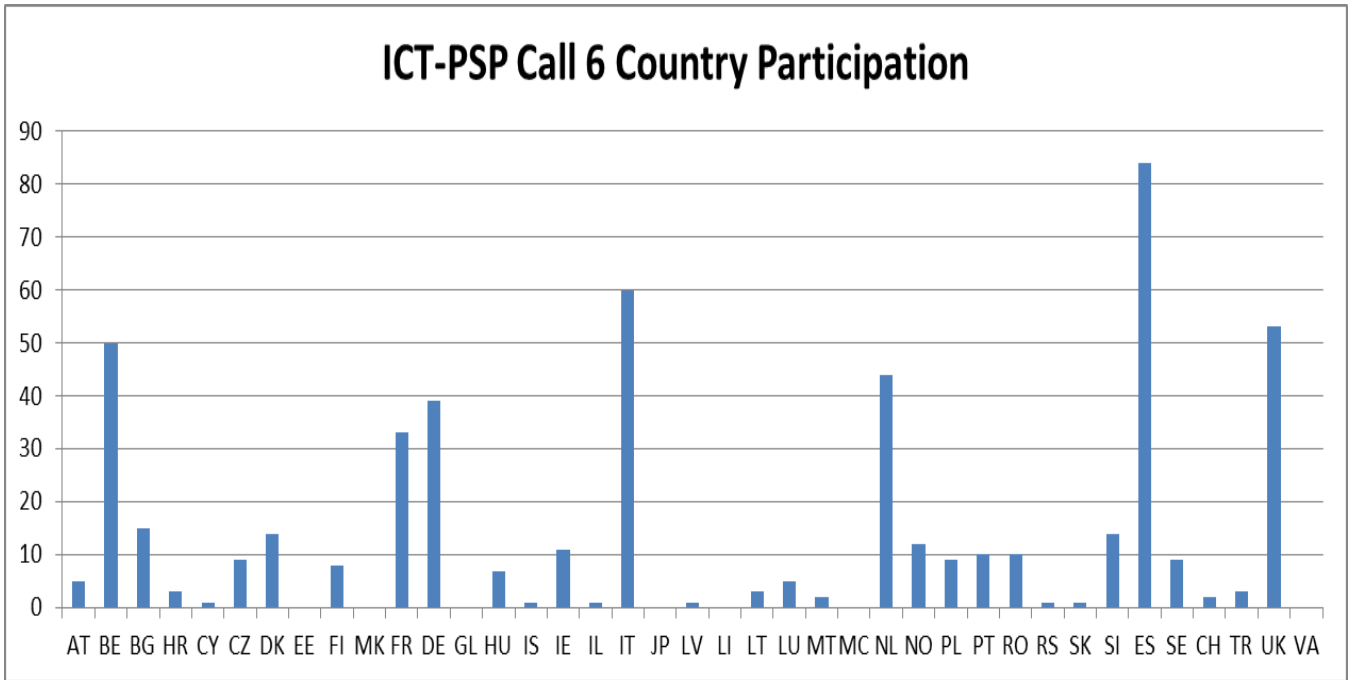
Themes	Objectives	Projects contracted (or for negotiation) in K€	Budget for implementation per objective	Budget for implementation per theme
Theme 1 : ICT for "smart" cities	1.1: Smart urban digital services for energy efficiency	3 Pilots B EPLACE SUNSHINE TEDS4BEE	0.726 M€ 2.315 M€ 2.189 M€	24.5 M€
	1.2: Cooperative transport systems for smart mobility	1 Pilot B Compass4D	4.999 M€	
	1.3: Open Innovation for Internet-enabled Services and next generation access (NGA) services in "smart" Cities	6 Pilots B CROSS IES Cities My Neighbourhood RADICAL SPECIFI TV-RING	2.737 M€ 2.100 M€ 2.425 M€ 2.751 M€ 2.887 M€ 1.410 M€	
Theme 2 : Digital Content, open data and creativity	2.1: Europeana and creativity: <ul style="list-style-type: none"> Content for Europeana Experimenting with the use of cultural material for creativity European Rights Information/Registry of Orphan Works for audiovisual content Thematic Network on new business models for publishing in the digital age 	6 BPN LoCloud eCloud EUscreen XL AthenaPlus EAGLE Europeana Creative 2 Pilots B RDI FORWARD 1 Thematic Network TISP	3.400 M€ 3.800 M€ 3.750 M€ 4.250 M€ 3.000 M€ 4.250 M€ 1.100 M€ 2.670 M€ 0.789 M€	44 M€
	2.2: Open Data and open access to scientific information <ul style="list-style-type: none"> Geographic Information Open access to scientific information Legal aspects of Public Sector Information and standards for open data Organising competitions for using open data 	2 Pilots A ELFI EENVPLUS 1 Pilot B OpenScienceLink 2 Thematic Networks LAPSI 2.0 Apps4EU	6.500 M€ 2.450 M€ 2.100 M€ 0.446 M€ 0.595 M€	
	2.3: eLearning	1 Pilot B Inspiring Science	4.900 M€	
Theme 3: ICT for health, ageing well and inclusion	3.1: Wide deployment of integrated care services	1 Pilot A SmartCare	8.000 M€	23.8 M€
	3.2: Towards open and personalised solutions for active and independent living	1 Pilot B ReAAL	4.994 M€	
	3.3: Digital capacity and skills <ul style="list-style-type: none"> Digital capacity and skills building of health, social care and social inclusion actors 	1 Pilot B SEACW	1.773 M€	

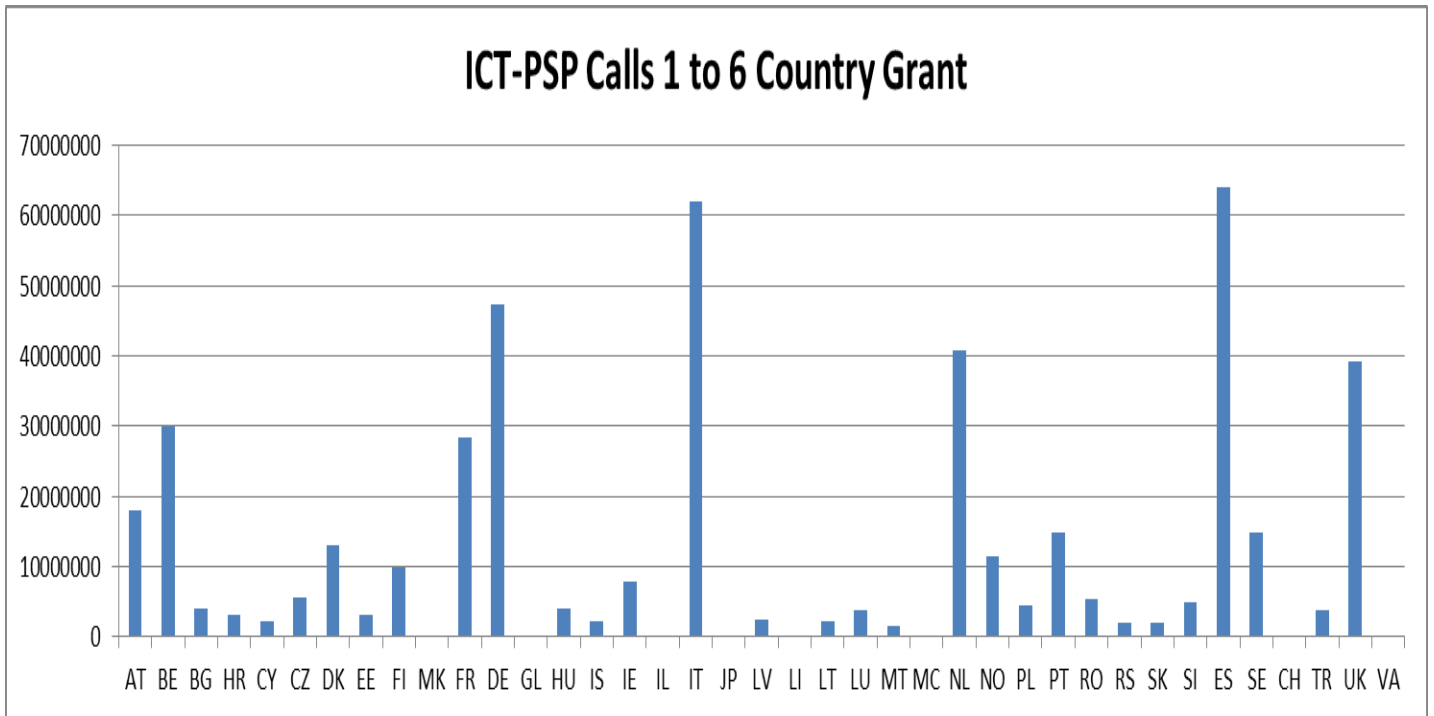
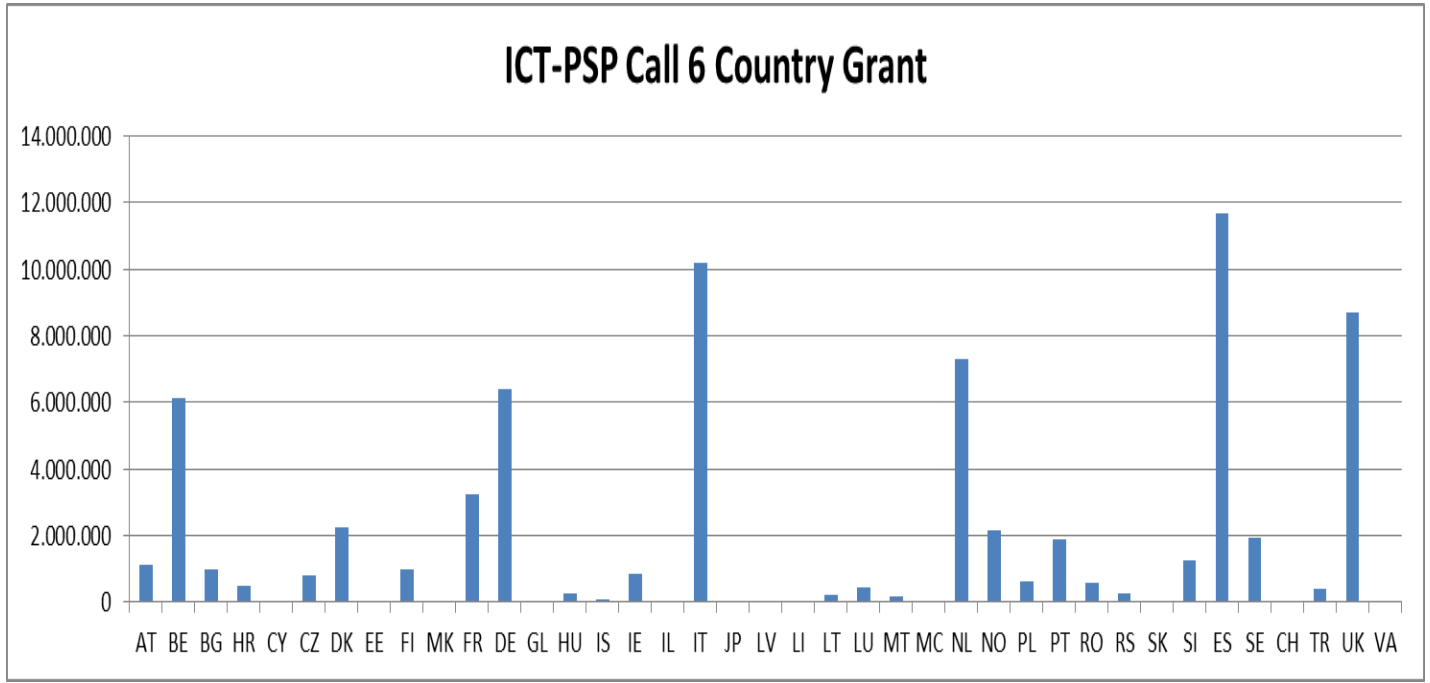
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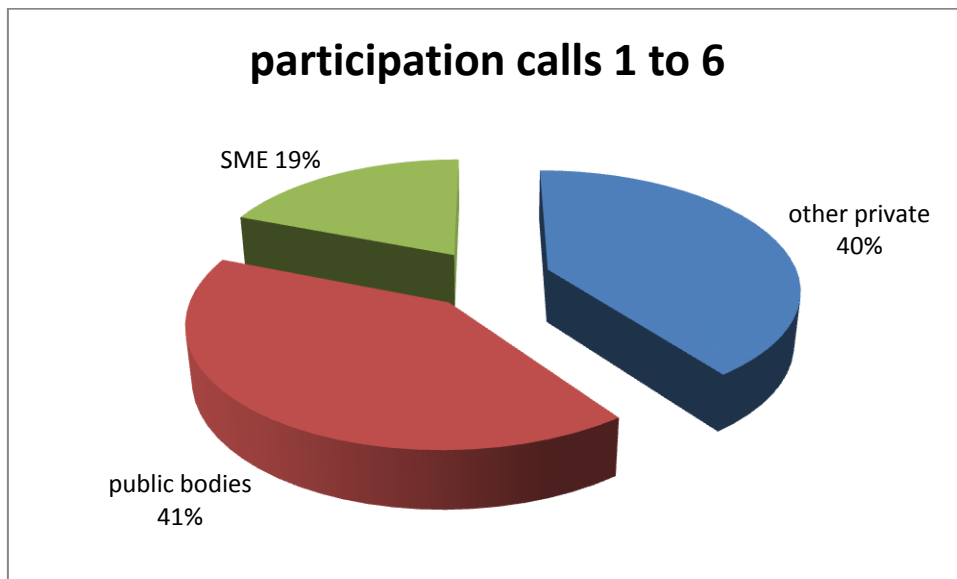
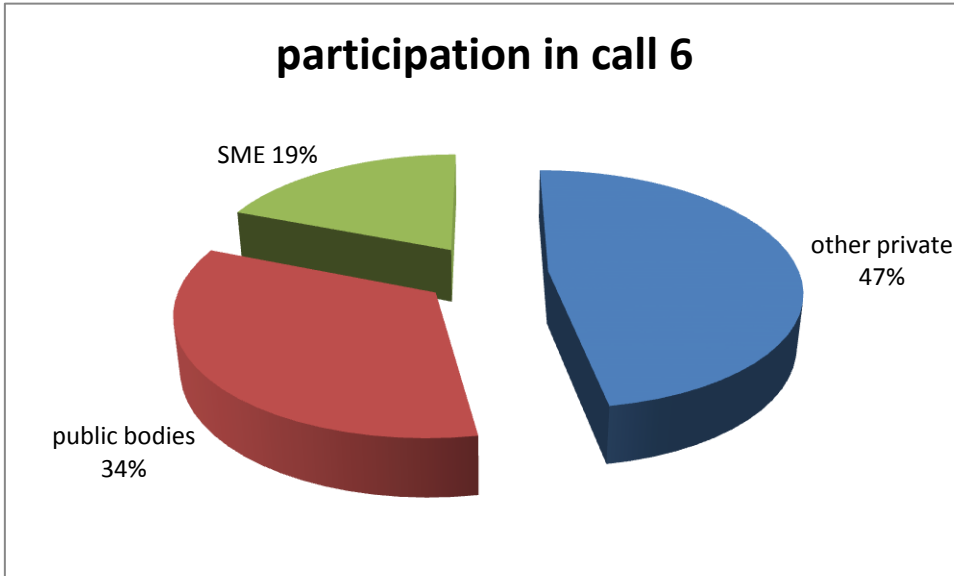
	<ul style="list-style-type: none"> Community Building for digital literacy and skills 			
	3.4: Fall prevention network for older persons	2 Thematic Networks ProFouND E-NO FALLS	0.998 M€ 0.999 M€	
	3.5: Large scale deployment of telehealth services for chronic conditions management	1 Pilot A United4Health	5.000 M€	
	3.6: Adoption, taking up and testing of standards and specifications for eHealth interoperability	1 Thematic Network ANTILOPE	0.999 M€	
	3.7: Community building on Active and Healthy Ageing	1 Thematic Network ENGAGED	0.999 M€	
Theme 4 : <i>ICT for innovative government and public services</i>	4.1: Basic Cross Sector Services	1 Pilot A e-SENS	13.679 M€	21.7 M€
	4.2: Extension of eCODEX (on eJustice)	1 Pilot A e-CODEX	5.000 M€	
	4.3: Extension of HeERO (on eCall)	1 Pilot A HeERO2	3.000 M€	
Theme 5 : <i>Trusted eServices and other actions</i>	5.1: Cybersecurity <ul style="list-style-type: none"> Fighting botnets Community building for information sharing and effective responses to cyber threats 	1 Pilot B ACDC	7.769 M€	13 M€
	5.2: Mobile cloud for business applications	2 Pilots B MobiCloud MO-BIZZ	2.223 M€ 2.034 M€	
	5.3 Contribution of satellite systems to 100% EU broadband coverage	2 Thematic Networks SABER BRESAT	0.510 M€ 0.490 M€	

Total	Large scale Pilots (Pilot A) or enlargement of Pilot A	43,629 M€	127 M€
	Best Practice Networks	54,102 M€	
	Pilots (Pilot B)	6,825 M€	
	Thematic Networks	22,450 M€	

ICT-PSP Call 5 Statistics (+ Calls 1 to 5 Statistics)







Annex II

**Other ICT-PSP measures
implemented through Calls for Tender or grants without call for proposals**

Details on the objectives and budget allocation

Other measures, objectives	Including	Budget
Benchmarking the progress of the Information Society	<ul style="list-style-type: none"> - Households and Enterprises surveys - Broadband Internet Access Costs - Benchmarking eGovernment - ICT in Hospitals 	3.1 M€
<p>Studies, other measures and support to events</p> <p>Including also support to evaluations, reviews and communication.</p>	<p>Studies :</p> <ul style="list-style-type: none"> - Broadband mapping methodology - Accelerating innovation in eHealth markets - Sustainability of interoperable services - Impact of eInclusion actions - Costs/benefits analysis for organisation when moving on green ICT - Mid-term evaluation of the eGov action plan - Evaluation of the digital agenda. <p>Other measures</p> <ul style="list-style-type: none"> - Follow-up of Broadband portal and support to Broadband investment - Support for digital development and growth in regions - Digital Agenda stakeholders engagement - Visualisation of data for DAE scoreboard - Data.eu portal - Platform for Public Sector Information - <p>Support to events :</p> <ul style="list-style-type: none"> - Digital Assembly for DAE - eHealth 2013 ministerial conference (grant to the EU Presidency) - Green and ICT Conference (grant to the EU Presidency) 	9.3 M€