



EIT ICT Labs

Call 2013

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EIT ICT Labs

Est-ce pour vous ?

- Vous avez des projets ou résultats de recherche...
 - ... dont vous pensez qu'il auront un impact industriel / innovation significatif
 - ... ou pour lesquels vous avez identifié des applications / clients ou souhaitez le faire
- Vous avez une plateforme / un testbed...
 - ... que vous voulez rendre accessible plus largement au plan européen, ou ouvrir à des industriels
 - ... autour duquel vous voulez développer une communauté d'utilisateurs / testeurs / innovateurs
- Vous avez un projet de création de startup...
 - ... et vous voulez bénéficier du support d'experts 'business' au plan Européen
 - ... ou l'intégrer dans un projet avec des partenaires académiques et industriels
- Vous voulez intégrer un réseau de collaboration en vue de développer de nouveaux projets FPs, etc.



EIT ICT Labs

Participer au Call 2013

- Des instruments plus **utiles...**
 - Nouveaux 'catalysts'
- Des modalités plus **flexibles...**
 - p.ex. : financement en 2013 possible avec un co-financement 2012 (même pour un projet qui sera terminé avant 2013)
- A votre service à Sophia
 - Philippe.Mussi@inria.fr, Francoise.Baude@unice.fr,
Jerome.Chifflet@institut-telecom.fr
- Surtout **ne pas attendre !**
 - Date limite de remise de propositions: 31 mai!

Le réseau ICT Labs



Strong Technical Universities

TU Berlin
 3TU / NIRICT
 Aalto University
 UPMC - Université Pierre et Marie Curie
 Université Paris-Sud 11
 Institut Telecom
 The Royal Institute of Technology, KTH
 Trento RISE / University of Trento

Excellent Research Centres

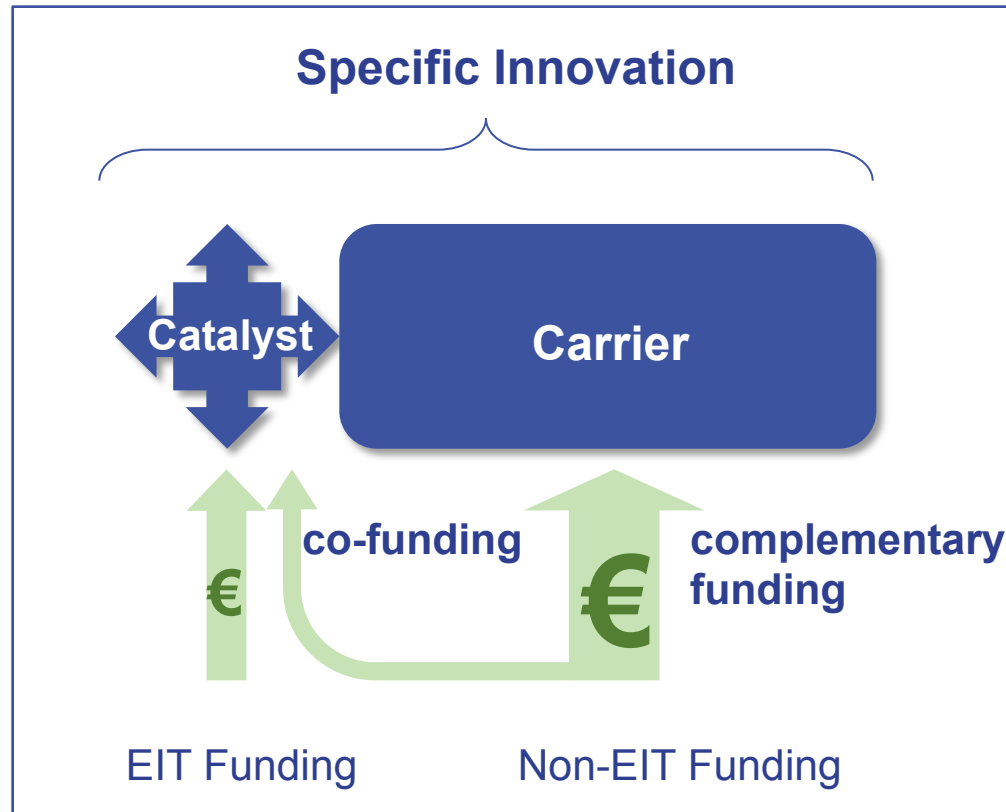
DFKI
 Fraunhofer
 INRIA
 Novay
 VTT
 SICS
 Trento RISE / FBK

Leading Companies

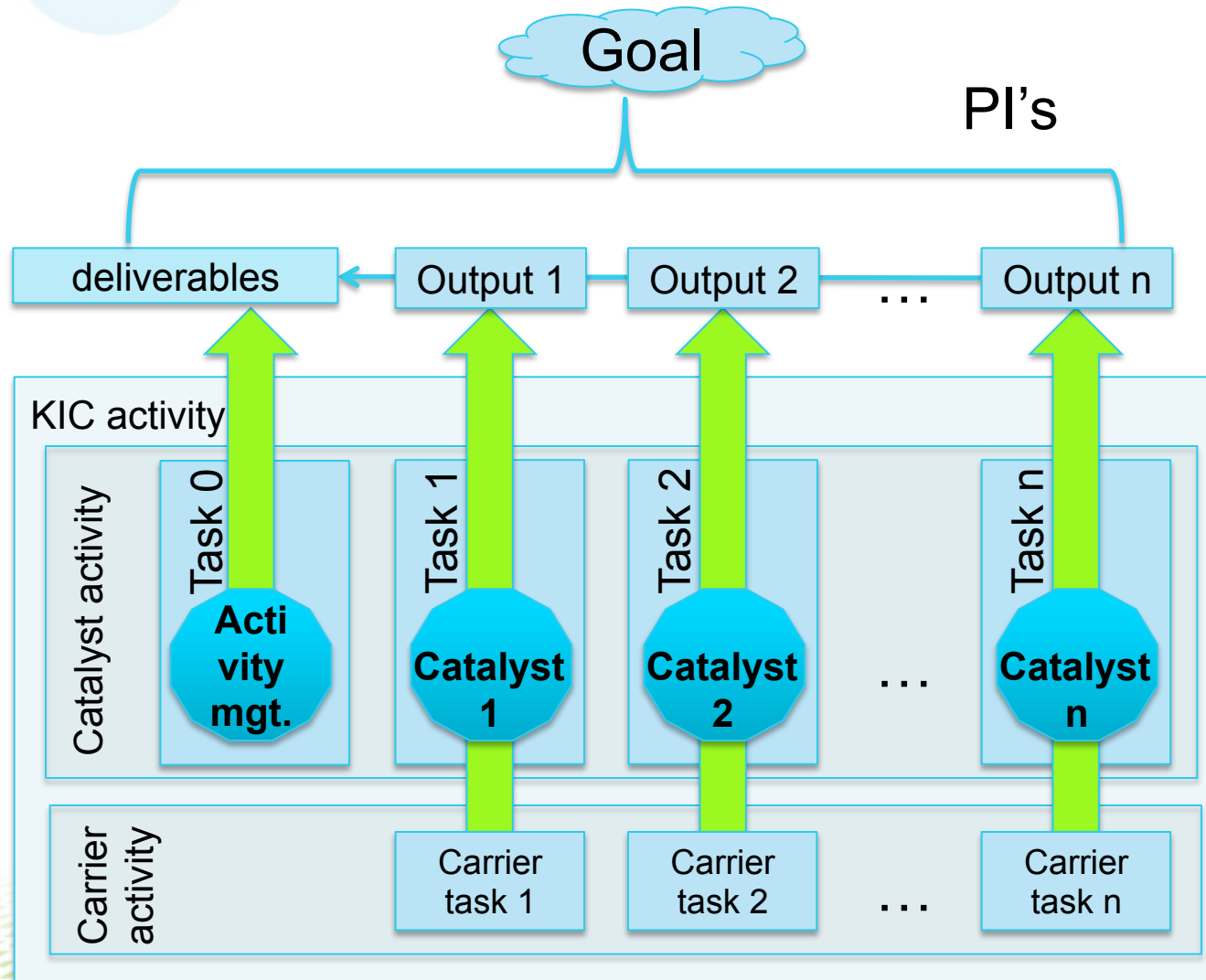
Deutsche Telekom Laboratories
 SAP
 Siemens
 Philips
 Nokia
 Alcatel-Lucent
 France Telecom
 Ericsson
 Engineering
 Telecom Italia

Partenaires : <http://eit.ictlabs.eu/ict-labs/partners-of-eit-ict-labs/>

Le modèle Catalyst-Carrier



What is an activity made of?



Performance indicators track progress towards the overall impact goal.

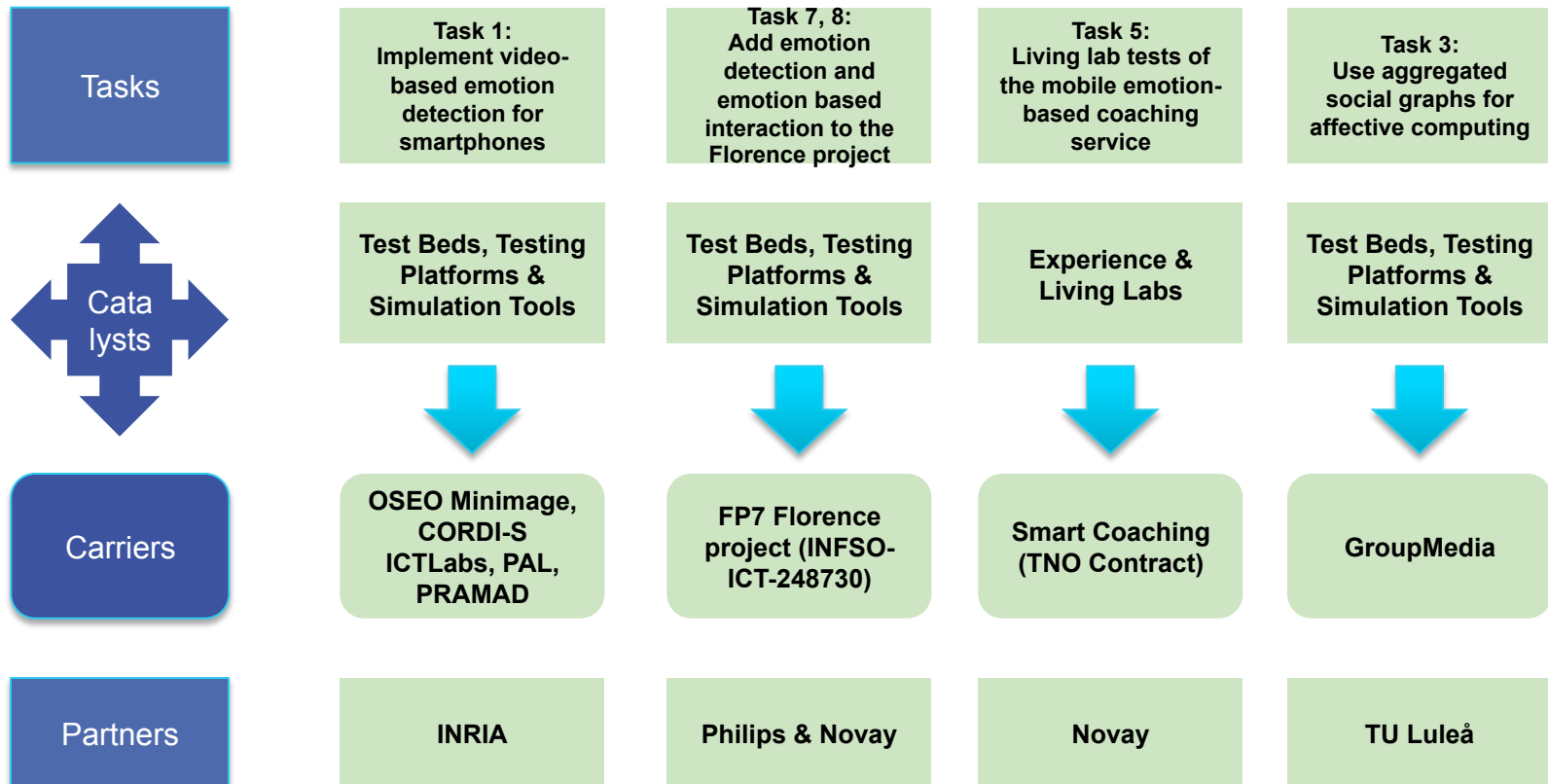
Activity deliverables summarize / embody the per-task outputs at KIC activity level.

Catalysts are applied to carriers to produce specific outputs.

Catalyst tasks are funded by EIT + co-funding from national sources, partners own resources, 3rd parties. Management task is up to 100% EIT-funded.

Carrier tasks are funded by complementary funding from EU, national sources, partners own resources, 3rd parties.

Example Activity: THWB 12100 Affective Computing



- Further tasks include also “Researcher Mobility Program” for researcher mobility between partners



EIT ICT Labs Call 2013

Quelques conseils

- Identifier l'action-line qui correspond à votre domaine et ne pas hésiter à contacter son responsable: une activité peut déjà être en préparation sur laquelle vous pourriez naturellement vous rattacher.
- Ne pas négliger le co-financement, qui devra être justifié
- Les partenaires doivent être membres d'ICTLabs ou pouvoir le devenir rapidement (par exemple PME localisées dans un nœud)
- Une activité ICTlabs de 2012 peut soumettre une prolongation sur 2013
- Vous inscrire sur l'intranet de <http://eit.ictlabs.eu>
- Vous inscrire sur <http://www.easychair.org> pour pouvoir soumettre



EIT ICT Labs Call 2013

Priorités pour maximiser vos chances de réussite

- *Live the ERB Triangle: increasing presence and interaction of education, research, business (in particular, boost business in action lines)*
- *Select the carriers (relevant for the activity and AL) with high innovation potential.*
- *Focus on impact : impact goals of the proposed activity should be in alignment with performance goals (see PIs) of the ALs and the entire KIC, which means you have to select relevant catalysts (refer to the catalyst tutorial)*
- *Boost industry participation, including innovative SME companies*

En effet, l'évaluation de la proposition soumise se fera sur les critères :

- ***Innovation and valorisation potential of the selected carriers***
- ***Level of realism and detail of the targeted business scenario(s)***
- ***Extent of the potential business and societal impact***



EIT ICT Labs Call 2013

In practice

- Activities focusing on a single priority among those exposed in ALs strategic plans
- 2 to 5 deliverables **per activity**
- > 40K€ per partner, and activity, not huge amount of partners, like 3-5 per activity, avoid 1 single partner
- incentive to join existing activities (**2/3 of those running in 2012 should be extended for 2013**)
- To get more details (contact, Activity number) for existing 2012 activities, connect to the Intranet and search using the Activity code (see *Call2013 text*).



Action Lines in 2012 – Leaders



Ariane Sutor

Smart Energy Systems



Ludovic Noirie

Internet Technologies & Architecture



Khaldoun Al Agha

Digital Cities of the Future



Seif Haridi

Computing in the Cloud



Jean Gelissen

Health & Well-Being



Carl-Gustaf Jansson

Master School



Henrik Abramowicz

Networking Solutions for Future Media



Christian Queinnec

Doctoral School



Christian Mueller

Intelligent Mobility and Transport Systems



Sébastien Gambis

Privacy, Security Trust



Petri Liuha

Smart Spaces



Lynda Hardman

ICT-mediated Human activity



Holger Pfeifer

Cyber-Physical Systems



Catalysts 2013

Common Catalysts

KIC Management lead the KIC to make it a leading force in ICT	Co-Location Centres lead nodes and CLCs towards v	Best-Practice Benchmarking integrate global best-practices to create a self-re-enforcing innovation ecosystem
Action Line Management lead an action line towards its goals	Workshops and Conferences consolidate goals, plan joint work, share results, create networks, gain visibility	
Activity Management lead an activity towards its objectives	Project Proposal catalyse ERB carriers matching our strategy	Mobility Program foster inter-node and inter-domain mobility for educators, researchers and innovators

Education Catalysts

I & E Education for MSc Programs integrate robust entrepreneurship education for EIT ICT Labs M.Sc. programs
I & E Education for PhD Programs integrate robust entrepreneurship education for EIT ICT Labs doctoral programs
Professional Training provide professional training to industry
Doctoral Training Centre integrate doctoral training with industry
Quality Assurance and Accreditation assure quality of educational programs
Summer and Winter Schools and Camps provide intensive educational events
Student Mobility coordinate student mobility
Thematic Alignment of Technical Programs align the content M.Sc. programs with industry needs

Research Catalysts

Open Source Booster catalyse industrial take-up of open source flagship projects
Patent Booster intensify creation of new patents
Test Beds, Testing Platforms & Simulation Tools integrate joint hardware or software platforms to experiment and validate technologies or applications
Experience & Living Labs test and modify product and service designs with real users and use contexts
Standards Booster foster impact and ensure sustainability of results
Entrepreneurial Research stimulate entrepreneurial research in the community

Business Catalysts

Innovation Radar create business intelligence of the future
Strategic Coaching coach start-ups towards growth
Access to Finance ensure capital availability for all
Technology Transfer increase the flow of technologies from academia to companies
Technology Scouting seek opportunities for business incubation
Business Modelling provide techno-socio-economical analysis of a business domain
Soft Landing help SME's to grow to European level
Entrepreneurial Talent Scouting link entrepreneurs to innovators



Digital Cities of the Future

Enabling the city space to become more democratic towards a citizen centric model



Strategic Ambition and Scope

Creating Citizen Centric Cities (CCC)

- allowing governments and municipalities to enhance the **participation of the citizens** in the information, decision, and implementation of processes for a better life in the city
 - Collection of **data** to be **broadcast** to the other citizens, or used to **analyse** and “sense” the dynamic status of the city
 - Participation in the **decisions for the evolution** of the environment of the city
 - Execution of actions to improve the city **performance** and **sustainability**.



Digital Cities of the Future Priorities 2012



Creative services and applications

- Customized and new intelligent services
- Intelligent and ergonomic Human Machine Interface
- Business model innovation for building highly personalized services

Data management

- Heterogeneous data integration

Network infrastructure

- Large-scale communication systems for data exchange
- Distributed processing for scalable systems
- Identification, security and privacy

Digital Cities of the Future

Key Objectives & Deliverables 2012



Key Objectives



- **3 innovative applications** (pre-product) in data management, safety and HCI
- **3 cities** included in the service pilots
- **2 patent** applications
- **5 common publications** between European partners

Deliverables



- Action Line Performance Report
- **TDCT Innovation Radar Report**



The proposals will be evaluated against a set of specified criteria

Strategic match with the **Action Line** and EIT ICT Labs **SIA**



Innovation and **valorisation potential** of the carriers



Added value and **innovation impact** of the catalysts



Quality and **feasibility** of the activity plan
(budget, tasks, deliverables, schedule)



Partner commitment, industrial involvement and **European dimension**



Utilisation of **Co-location Centre** resources and local innovation ecosystems





The creation of the business plan 2013 will follow a structured Gate Process

Gate 1 MC F2F Brussels March 13th

- Fix Call Instructions, Catalyst Tutorial & SIA

Gate 2 MC F2F Trento April 17th

- Nominate advisory teams per AL
- Fix call text by action line

Gate 3 MC F2F Paris June 20th

- A, B and C budget allocation per AL
- Selection and classification of activities
- Generate and submit BP 2013
 - Sep 3 – Executive Steering Board
 - Sep 17 – General Assembly
 - Sep 30 – EIT

Gate 4 EIT decision Early Dec

- Decision on budget and activities



Call content & publicity March 16th – April 25th

- Ideas for new action lines
 - CSO
- Ideas for new catalysts
 - ERB Directors & CSO
- Ideas for new lines of work
 - Action Line Leads
- Action line contribution to call text → CSO
- Road Show to inform partners in the nodes

Call of Activities May 1st – 30th

- Submissions using the EasyChair system

Evaluation of proposals June 1st -14th

- Electronic review using EasyChair June 1 - 8
- Consensus meetings & ranking proposals June 11 - 14

Finalisation of Business Plan 2013 July - August

- EIT GB workshop June 27
- Feedback to proposers by June 29
- Revised activity plans -> ALL, CSO by Aug 10
- Consolidation of AP's for BP by COO by Aug 17

Finalisation of Activity Plans 2013 October - December

- Final activity plans
 - Activity Leads
 - Action Line Leads
 - Action Line Owners



Thank you
for your attention!





Health & Well-Being

Improve the quality of everyday life via ICT enabled services supporting a healthy lifestyle and ambient assisted living in a cost effective way



Strategic Ambition and Scope

User-centric HWB systems / self-management

- Supporting people to live uncompromised, comfortable, safe, and active lives also at an advanced age
- Enabling independent living while avoiding social exclusion

Entrepreneurship in HWB

- Focus on areas where regulation barriers are less severe to allow for more entrepreneurship and a more diverse set of ICT-enabled solutions

Health & Well-Being Priorities 2012



Stress and relaxation

- Supporting people in balancing stress and relaxation when dealing with the challenges of everyday life

Healthy consumption

- Supporting people in promoting their health by improving what, when and how they eat and drink

Physical activity

- Supporting people in integrating a sufficient level of physical activity in their routines

Sleeping well

- Supporting people to improve their sleep

Social Interaction

- Supporting people in their interaction with other individuals or health professionals to induce a healthier lifestyle



Health & Well-Being

Key Objectives & Deliverables 2012



Key Objectives



- **6 new service or product ideas** introduced to the market
- **2 new ventures**
- **4 new products & services**

Deliverables



- Action Line Performance Report
- Stress @ Work demonstrator
- We Care demonstrator
- Healthy Consumption demonstrator



Networking Solutions for Future Media

Address the challenges of bringing media & content to the consumer



Strategic Ambition and Scope

Facilitate the convergence of ICT, media and telecommunications

- Develop and experiment with a powerful and open new ICT infrastructure
- Provide user-friendly services to end users in various contexts of use

High growth potential / opportunities for start-up creation

- Exploit tremendous growth in content which will stress the current storing and networking models for content delivery, retrieval and uploading

Networking Solutions for Future Media Priorities 2012



Mobile and social media services

- User-generated content and services
- Integrating Internet-of-Things (IoT) into mobile social and business media
- Ease of service creation such as SW and Platform as a Service and market deployment, monetization, towards enterprises
- Social, cultural and educational aspects of multi-media services

Multimedia content analysis and processing

- Large scale context and content-aware multimedia processing
- Sensor data fusion, multi-modal data analysis, visualization
- Content creation and retrieval for 3D TV
- Media Search and retrieval supported by new approaches to search engines, recommendations, personalization, and contextualized interfaces

Smart content delivery over heterogeneous networks

- Multimedia content delivery to decrease the cost of delivery and optimize the content transport to meet QoE, QoS
- E2E resource management by contextual and semantic information
- New networking paradigms such as information centric networking, media clouds, infrastructure as a service, and transaction oriented communication
- Novel access networks for radio and Giga DSL standards, including optimization and adaptation methods and cognitive connectivity.

Networking Solutions for Future Media

Key Objectives & Deliverables 2012



Key Objectives



- **15 new service & product concepts** developed
- **7 new products & services**
- **20 transfers of technology**
- **75.000 end users** involved in experiments and tests

Deliverables



- Action Line Performance Report
- TFMC Innovation Radar Report



Smart Spaces

Exploit information in every-day working & living environments to create comfortable service experiences for users



Strategic Ambition and Scope

Development of an eco-system for Smart Spaces services

- Comfortable service solutions
- Innovation platforms for new applications
- Living labs for testing, exploration, experimentation & validation

Development of enabling technologies for Smart Spaces

- Signal processing techniques for sensors
- Indoor navigation
- Distributed computing platforms
- Intelligent networking techniques

Smart Spaces Priorities 2012



Public spaces

- Exhibition areas, travel & waiting areas, games in public areas

User generated content

- Applications using user generated content in public areas

Retail environments

- Solutions supporting the retail business and providing new services for the customers

Office environments

- Creating the level of standard and complete solutions for the smart office once and for all

Home and households

- Solutions easing the every-day life of different kinds of users and user groups

Technologies

- Enabling technologies for human centred interaction in smart spaces
- Generic localization technologies supporting applications
- Ecosystem approach and actions for the creation of category of smart spaces applications



Smart Spaces

Key Objectives & Deliverables 2012



Key Objectives



- **5 solutions tested** with real users
- **5 installations** of SSTAL solutions in CLCs
- **50 students** in courses labeled with smart spaces topics
- **2 take-ups** of EIT ICT Labs catalyzed products and services
- **3 ventures**

Deliverables



- Action Line Performance Report
- VideoCafe application
- Innovative Retail Laboratory
- MultiSmartSpace platform
- Semantic Light prototype



Intelligent Mobility & Transportation Systems

Promote ICT-based technologies, integration concepts and deployment activities for sustainable future mobility on European & global level



Strategic Ambition and Scope

Integrate ICT-based solutions into mobility systems

- Information services as the “classic” dimension of IMTS
- Cooperative systems as the connection between information services and in-vehicle systems
- In-vehicle systems as key to open up a new IMTS function field by combining information with control systems
- Make use of the diverse partner network of EIT ICT Labs to create new value chains for IMS



Intelligent Mobility & Transportation Systems

Priorities 2012



Safe Mobility

- Increase safety and security for individuals through advancing ICT for active safety in cars, cooperative vehicles, data and communication security, safety and security of mobility systems

Sustainable Mobility

- Networking between different transportation modes to overcome isolated mobility solutions and achieve resource-efficient traffic flows
- create ICT enablers for the market introduction of electric cars

Autonomous Mobility

- ICT for enabling autonomous behaviour of transportation means such as vehicle sensor data, sensors in the infrastructure etc.
- ICT related to problems in Human Computer Interaction of shared responsibility between passengers and vehicles

Social Mobility

- Connecting social networks with street networks and vehicles becoming a “social persona”

Accessible Mobility

- ICT for individual accessibility including barrier-free access and support for people with special needs
- Networking between different modes of transport through integrated solutions (trip planning, real-time access to information, etc.)



Intelligent Mobility & Transportation Systems

Key Objectives & Deliverables 2012



Key Objectives



- **3** successful new **business models** in the IMS market and implemented through collaborative innovation projects and entrepreneurship
- **2** **patent** applications
- **1** new **product / service**
- **15** scientific **publications**
- **25** actively participating EIT **partners** / 5 industry partners
- **10** EIT university partners supplied for **Master programs**

Deliverables



- Action Line Performance Report



Smart Energy Systems

Develop a Europe-wide approach of academic & industrial resources for Smart Energy Management focusing on Smart Grid innovation driven by ICT

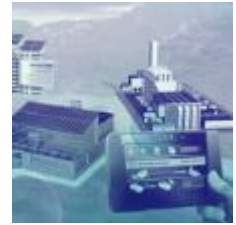


Strategic Ambition and Scope

Smart Grid : a paradigmatic change

- New qualities in system-wide **capture, aggregation & processing of data**, from technical hallmarks to human factor (“smart customer”)
- ICT is the key enabler for innovations and new business in Smart Grids
- Fast growing market in Europe, U.S., and Asia for new ICT based SES products, services & solutions is expected

Smart Energy Systems Priorities 2012



Future Scenarios & Smart Energy Prosumer Experience

- Future Scenarios in Smart Energy Systems in collaboration with KIC InnoEnergy
- Open SES Experience Labs for Prosumers and New Services
- Smart Energy Summer School

ICT Infrastructure for Smart Grid

- European Virtual Smart Grid Laboratory
- Smart Grid Value Modeling and Business Models
- SESec-EU - Networked Smart Energy Systems Security in Europe

Green ICT Management

- Power Grid integration of load adaptive ICT infrastructure

Smart Energy Systems

Key Objectives & Deliverables 2012



Key Objectives



- **1 successful new business model** implemented through collaborative innovation projects and entrepreneurship
- **3 patent** applications
- **2 new products & services**
- **10 scientific publications**
- **22** actively participating EIT **partners** / 5 industry partners
- 8 EIT university partners are supplied with Smart Grid specific competencies for **Master programs**
- 5 universities and 1 industry partner participating in EIT-branded Smart Energy Systems **summer & winter schools**

Deliverables



- Action Line Performance Report
- Future **scenarios and demonstrators** as the basis for new business models are available.
- First instances of **Virtual Smart Grid Lab** are in place and open for experiments to EIT partners. First remote experiments have been conducted successfully and requirements for Smart Grid competencies are derived and handed over to Education.
- **Open Smart Energy Systems experience lab** is accessible for all EIT partners for co-simulation with real-life systems and prosumer involvement.