

First

Implementing cooperation on Future Internet and ICT Components between Europe and Latin America

Objective ICT-2009.9.1: International cooperation

Project 248753

Deliverable Title	D5.1.2 Feedback to EC initiatives and programmes, Annual report – Period #2
Deliverable Lead:	Eurescom
Related Work package:	WP5 – Task 5.1
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Dissemination level:	PU – Public
Status of the document	Updated version
Version	1.0
Due submission date:	31-12-2011
Actual submission:	31-12-2011
Instrument:	Support Action
Start date of Project:	01/01/2010
Duration:	24 months
Project coordinator:	Rose Vision

Abstract	This document compiles the activities performed to provide a feedback of FIRST activities to European Commission initiatives and other European programmes.
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EXECUTIVE SUMMARY

This deliverable summarises corresponding activities carried out within Task 5.1 "Feedback to European Commission initiatives and other European programmes", established to target feedback to European Commission main programmes and initiatives in the field of Future Internet), during the second year of the project. Appropriate communication material was prepared and provided to the following initiatives and programmes, which were selected by the FIRST project among various related European activities on the Future Internet:

- FIA (Future Internet Assembly),
- FIRE (Future Internet Research & Experimentation),
- FI-PPP (Future Internet Public-Private-Partnership), through contact with responsible EC officers, and
- Celtic / Celtic Plus programme (European Eureka Cluster).

The FIRST project implemented tight cooperation to all initiatives and programmes mentioned above, through different joint activities, such as mutual attendance to related events, articles in newsletters or websites, the possible future cooperation between these initiatives and the Latin American Technology Platforms, etc. The main target of these activities during the second project year was to disseminate Vision and Strategic Research documents (SRA and roadmap) created by the LATP's and to use them for establishment of a sustainable cooperation schemes with European Future Internet research community, initiatives, programmes and organisations.

A significant impact in sharing Latin America Strategic Research Agenda and Roadmap documents, and promoting cooperation opportunities between Europe and Latin America in the ICT area, and particular in the field of Future Internet, has been achieved and culminated at FIA event in Poznan, October 2011. Finally, FIRST has published two press releases which were disseminated through different channels, together with the publication of several deliverables produced by the project.

1 GENERAL INTRODUCTION

The benefit of the communication among Latin American Technology Platforms (LATP) and relevant European organisations and entities in the area of Future Internet is twofold, where both Future Internet communities from Latin America and Europe can gain in proceeding with joint research activities as well as corresponding transfer of research results and market experiences.

The LATPs benefit directly from experiences in the successful process for creation of the Technology Platforms in Europe, established after more than five years of ETPs activities in Europe. Furthermore, the communication between Europe and Latin America ensures that European research challenges, defined by recognised European research communities through European Technology Platforms (ETP), are brought much closer to relevant research communities in Latin America, expanding European research priorities to third countries in Latin America. Based on this information and experience, the LATP also discussed own research priorities and challenges and are becoming able to define their own visions and further strategic documents, improving their own research potential focusing on research priorities, defined in accordance with corresponding R&D environments in Europe. Also, the close ties between Latin America and Europe open significant opportunities for organisations from Latin America to participate in various European research programmes, such as FP7 or Celtic-plus. Finally, an opportunity for Latin American partners to enter the European commercial market will be an indirect result of established relations.

On the other hand, with the establishment of the LATP's, the European partners can easily identify a unique and competent contact point in Latin American countries, in order to launch discussion and cooperation on various Future Internet research challenges, but also to establish relations with potential partners from Latin America for a broad cooperation in the wide ICT area. Thus, European partners can easily identify research competences and infrastructures available in Latin America and launch corresponding collaborations. Furthermore, the established cooperation in the research field will provide, as a secondary impact, additional opportunities for establishment of commercial relations among Latin American and European partners and creation of joint businesses. Finally, it is expected that research environment in emerging Latin American countries will be significantly enlarged in the future, opening a door for European research community to participate directly in the local research programmes.

The main objective of FIRST WP5 is to create an active and frequent interaction between European and Latin American researchers in the field of Future Internet through the establishment of fluent communications between LATPs and various related European actors in the field. Thus, This WP ensures that all relevant European groups are aware and get benefits from FIRST results and LATPs through:

- F*- Feedback to European Commission initiatives and other European programmes.
- F*- Feedback to ETPs and Joint Undertakings (JUs).
- F*- Feedback to European national initiatives on Future Internet.

This deliverable summarises the corresponding activities carried out during the second year of the project within Task 5.1 “Feedback to European Commission initiatives and other European programmes”, established to target feedback to European Commission main programmes and initiatives in the field of

Future Internet, such as FIA (Future Internet Assembly), FIRE (Future Internet Research & Experimentation) community, etc.

The significant efforts that FIRST project made towards the dialogue between LATPs and the European Future Internet research community culminated in two major final events in Europe, where the dialogue between Europe and Latin America Future Internet research communities was promoted. The first of the events was the European and Latin American ICT Technology Platforms Experts Encounter on the ICT Sectors, collocated at FIA Poznan, October 2011, as the venue was seen as the best place and moment to reach most of the Future Internet Community from Europe and Worldwide. The second event took place in Brussels, in November 2011, and gathered together National Initiatives and Public Authorities, both from Europe and Latin America in order to pave the way to a more structured and intense European-Latina America ICT research cooperation.

2 Feedback to EC initiatives and programmes

2.1 Communication Material

The **communication strategy** for FIRST project activities and the creation of Latin American Technology Platforms (LATP) to the EC initiatives and programmes is divided in two phases:

1. During first project year (January – December 2010, as reported in deliverable D5.1.1, corresponding to the first year of the project) the main intention of the FIRST project was to inform the EC initiatives and programmes about ongoing activities in Latin America in creation of the Technology Platforms in the region, to present potential of LATP for further cooperation with European partners, and to estimate possibilities for cooperation in the scope of FIRST. This first effort has paved the way to the later cooperation between LATPs and European institutions, programmes, etc.
2. During the second project year, the feedback to EC initiatives and programmes (January – December 2011, as reported in this deliverable), was based on the direct promotion and liaison of LATPs with the previously mentioned European bodies through the dissemination of the Vision, the Strategic Research Agenda and the roadmap for cooperation which were established by LATP's, providing a substantial base for presentation of the LATP's in Europe and discussions on concrete collaborations between European and Latin American stakeholders in the future internet field.

In order to disseminate FIRST project activities as well as activities of Technology Platforms in Latin America and promote the cooperation among Europe and Latin America in ICT related research, during the second year period, the following materials were distributed:

- F- FIRST project brochure.
- F- Links to FIRST website (<http://www.latin-american-technology-platforms.eu/>) in the main European bodies websites.
- F- Report on the capacities and potential areas for cooperation between Europe and Latin America (available at http://www.latin-american-technology-platforms.eu/docs/FIRST_D2.1_National_reports_v1.0.pdf).
- F- Regional LATP Vision 2020 on Future Internet cooperation (available at http://www.latin-american-technology-platforms.eu/uploads/Vision-2020_Regional-LATP-Vision-2020.pdf)
- F- Set of 5 country Strategic Vision documents and governance rules (available at <http://www.latin-american-technology-platforms.eu/uploads/FIRST-D3.1-Set-of-5-Countries-Strategic-Vision-documents-and-governance-rules-1.0.pdf>)
- F- National reports on potential areas for cooperation between Europe and Latin America in the field of Future Internet (available at http://www.latin-american-technology-platforms.eu/docs/FIRST_D2.1_National_reports_v1.0.pdf)

F- Newsletters that were distributed to relevant EU constituencies.

Furthermore, the FIRST project maintained tight cooperation to all initiatives and programmes mentioned above, through different joint activities, such as mutual attendance to related events, articles in newsletters or websites, etc. More details on contacted initiatives and programmes are given below.

2.2 Addressed Initiatives and Programmes

There are numerous initiatives, programmes, forums, discussion groups, communities, etc. in Europe dealing with establishment of research roadmaps in the area of future internet, making the entire European Future Internet environment more complex. In order to focus on a limited number of initiatives and programmes and, accordingly, to efficiently spread information from FIRST project and Latin America to European community, by a reasonable usage of the project resources, during the first year of the project the choice among various European Future Internet initiatives and programmes to be addressed by the FIRST project has been made, in order to establish the most appropriate and the most effective communications between LAMP's and European Future Internet research community. Thus, during the second year of the project, the feedback on the LAMP's and FIRST project activities, including the mentioned communication material, was provided to the following **European initiatives and programmes**:

F- FIA (Future Internet Assembly) [1],

F- FIRE (Future Internet Research & Experimentation) [2],

F- FI-PPP (Future Internet Public-Private-Partnership), through contact with responsible EC officers, and

F- Celtic / Celtic Plus programme (European Eureka Cluster) [4].

In the next sections of the document, the following information on each of the addressed European initiatives and programmes is provided:

F- Brief **description of the initiative or programme**, which is considered as useful for understanding of their activity scope, in particular for partners from Latin America,

F- **Cooperation** established with the addressed initiatives and programmes, and

F- Brief **report on performed project activities**

2.2.1 FIA (Future Internet Assembly)

The European Future Internet Assembly also known as FIA [1], is a group created by the European Commission in order to foster collaboration between projects that have recognised the need to strengthen European activities on the Future Internet to maintain European competitiveness in the global marketplace. Currently FIA brings together around 150 research projects that are part of Challenge 1 of the ICT programme of FP7. These projects are advancing the state of the art in:

- ℱ- Network of the future
- ℱ- Cloud Computing, Internet of Services and Advanced Software Engineering
- ℱ- Internet-connected objects
- ℱ- Trustworthy ICT
- ℱ- Networked Media and Search Systems
- ℱ- Socio-economic considerations for the Future Internet
- ℱ- Application domains for the Future Internet
- ℱ- Future Internet Research and Experimentation (FIRE)

The Assembly is structured to permit open interactions and cross-fertilization across technical domains, reaching out to whoever has talent in Europe's Future Internet research community. It works towards:

- ℱ- Vision, challenges, scenarios and roadmaps for FI research.
- ℱ- The development of pre-normative principles, concepts, design, architectures, recommendations and functional specifications of key FI system components and their interfaces
- ℱ- The development and maintenance of a consolidated calendar of events
- ℱ- Steering the FIA community towards a higher degree of coordination and integration of the FI research actions by improving communication and collaboration between participating communities and improving the visibility of research results

FIA is open to all researchers engaged in Future Internet research (be they at EU or not) to contribute and participate towards FIA's goals. Activities of the Future Internet Assembly are:

- ℱ- Bi-annual FIA Conferences,
- ℱ- Developing Future Internet systems, technologies and architectures through working groups and projects, possibly leading to contributions to standards.
- ℱ- (International) Collaborations with similar initiatives in Japan, Korea, USA and other countries, and also with related initiatives such as the Future Internet PPP and the Future Internet Forum of European member states.
- ℱ- High quality publications, such as the FIA Book.

- F- Maintenance of the future-internet.eu webportal.
- F- The setup and maintenance of an open repository of possible FI solutions and experiments for wide scale use.

2.2.1.1 Cooperation opportunities

As presented above, the FIA provides an excellent platform enabling direct discussions among its participants (Which are the main European stakeholders in the future internet field), coming from various research projects and representing different areas for implementation of Future Internet technologies, services, and applications, and definition of the related research challenges. The discussions at FIA are carried out in an open manner, where different ideas can be presented and discussed and where respective conclusions are defined and published after each event held (twice a year). Very often, the FIA conclusions are considered as common opinion of European Future Internet community and are included in related research programmes on European and Members States levels.

Accordingly, the FIA provides an appropriate platform for LATPs, as well as other actors from Latin America, do discuss directly various Future Internet issues with European counterparts, with a potential to include related topics raised by Latin American partners into European research programmes. This would necessarily make it easier for partners from Latin America to directly participate in the European research but also further improve cooperation in general among these two research communities.

2.2.1.2 Related FIRST activities

During the second project year, FIRST consortium was present at both FIA events, organised in Budapest and Poznan in May and October 2011. The target of the FIRST participation at FIA was to inform its stakeholders about LATPs' activities, the Vision, the Strategic Research Agenda and the roadmap, including potential opportunities for cooperation once the LATPs would be created.

After contacts with the FIA Steering Board FIRST project proposed a parallel event collocated at FIA Poznan to present its work and in particular achievements of LATPs and possibilities for collaboration between Europe and Latin America.

The European and Latin American ICT Technology Platforms Experts Encounter on the ICT Sectors was the FIRST event collocated at FIA Poznan, October 2011. The event was a major success, with participation of representatives from the European Commission, LATPs, ETps, and FI-PPP, and consisted in the culmination of WP5, task 5.1 activities. The press release of this event is presented in annex I.

FIRST co-organized two parallel sessions at FIA Poznan; the first was dedicated to the Research Roadmaps for the Future Internet: Priorities future research, it was organized together with FIA Roadmap working group, and allowed FIRST to present the Latin American Roadmap and SRA documents and highlight to the audience the common priorities with the European FI agenda; the second session was dedicated to International Collaboration on Testbeds and was co-organized with FIRE

The third part of the session Research Roadmaps for the Future Internet was dedicated to the Latin America cooperation strategic research agenda and International cooperation opportunities between Europe and Latin America countries, FIRST highlighted the relevance of International cooperation to define optimum and efficient research priorities in Europe, and representatives from two of the LATPs gave a speech towards possible Cooperation Opportunities with Europe. Roberto Carlos Mayer, the President of the Brazilian Technology Platform- BRAFIP, spoke about the impact of ICT and Internet in the Governments Transparency all over the World. Luis Cuellar, President of Thematic Working Group NESSI-MEX from the Mexican Technology Platform- MTP, spoke about the Mexican vision on Future Internet and collaborative opportunities. In general it was realized the importance of straightening up possible channels of collaboration between Europe and Latin America and make available information that helps to synchronise priorities, and it was recognized the process of building common strategic research agendas and the implementation of tools like Technology Platforms, which create very favourable atmosphere to foster the cooperation between European and Latin American researchers.

2.2.2 FIRE (Future Internet Research & Experimentation)

The Future Internet Research and Experimentation - FIRE - Initiative [2] is addressing this need, creating a multidisciplinary research environment for investigating and experimentally validating highly innovative and revolutionary ideas for new networking and service paradigms. FIRE is promoting the concept of experimentally-driven research, combining visionary academic research with the wide-scale testing and experimentation that is required for industry. FIRE works to create a dynamic, sustainable, large scale European Experimental Facility, which is constructed by gradually connecting and federating existing and upcoming testbeds for Future Internet technologies.

Ultimately, FIRE aims to provide a framework in which European research on Future Internet can flourish and establish Europe as a key player in defining Future Internet concepts globally. With a strong network focus, the first wave of FIRE projects was launched in summer 2008, with a budget of 40 million Euros and each year sees this increasing along with the scope of the projects.

Many researchers around the world have identified emerging limitations of the current Internet architecture and agree that it is time for research to take a fresh, long-term view considering the Internet as a complex system, which cuts across layers from network connectivity to service architectures. This system-level approach calls for strategic, multidisciplinary research on new Internet concepts, including 'clean slate' or 'disruptive' ones. In order to measure, compare and validate scientific results and also to provide a realistic basis for a scientifically rigorous impact assessment at technological, economic and social levels, these new paradigms need to be tested on a large scale. Issues at stake are for example: the balance between intelligence in the core versus in the edges; network neutrality and the end-to-end principle; the integration of network, compute and services infrastructures; trust and security by design; or the use of open source and open standards.

For this kind of 'experimentally-driven research' related to the Future Internet, researchers need an experimental facility for validating innovative research and developments on network and service architectures and paradigms. History has shown that many occurrences are only discovered when systems are deployed in 'real-life' situations. For instance, experimentally-driven security research should include experimentation with intentionally and unintentionally misbehaving programs and machines in a large, heterogeneous, real world-like testbed environment, which is nevertheless isolated from the outside world.

Such experiments need to be conducted in a planned, controlled, responsible and legal manner. An experimental facility on Future Internet technologies must broadly support research on networks and services, in order to compare current and future approaches. Practical experiments are needed to give credibility and raise the level of confidence in the research finding. Furthermore, the experimentation must be performed on a large scale to be representative, convincing, and to prove the scalability of the tested solution. Experimental facilities based on federating testbeds at different levels of maturity, from proof-of-concept to validation, are needed to test compatibility, interoperability and to derive potential migration paths for innovative technologies.

2.2.2.1 Cooperation opportunities

Beside all other opportunities to cooperate in experimental research on the Future Internet in the scope of FIRE initiative, the following two opportunities are of particular importance in this context:

F- Utilisation of the experimental facilities in order to test local developments.

F- Participation in facility establishment through cooperative projects.

The FIRE concept foresees various kinds of experimentation facilities to be included within a federated testing environment, which can be than remotely accessed on demand, in order to perform specific tests. Thus, the experimentation facilities which are or will be available in Latin American countries can be used by European researchers, where the facility owners can gain either by selling it as commercial testbed or by appropriate involvement in European research activities (e.g. by sharing testing results), even without formal participation in projects.

On the other hand, the Latin American partners can actively participate in the facility establishment, gaining from it availability either for own or experiments performed by European partners.

2.2.2.2 Related FIRST activities

In the second project year, FIRST project has participated at FIRE weeks, which are organised twice a year. At the FI Week in Poznan, October 2011, it presented opportunities for cooperation among Latin America and Europe in performing various tests in the scope of Future Internet by using available infrastructure in both Latin America and Europe by partners from both regions in a special session about International Cooperation on Testbeds.

The session presented some of the initiatives, programs and projects related to the development of the Future Internet around the globe with a main focus on technological approaches and available test and experimental facilities that may be interconnected to support global experiments and included a review of available experimental facilities and programmes that could be leveraged through international cooperation initiatives under the EU Framework Programme actions dedicated to the Future Internet.

An article about FIRE open calls and TEFIS project was published in FIRST newsletter (march 2011).

2.2.3 FI-PPP (Future Internet Public-Private-Partnership)

The Future Internet Public-Private-Partnership, as part of EC FP7 Work Programme 2011 [3], addresses the need to make public service infrastructures and business processes significantly smarter (i.e. more intelligent, more efficient, more sustainable) through tighter integration with Internet networking and computing capabilities.

The FI-PPP follows an industry-driven, holistic approach encompassing R&D on network and communication infrastructures, devices, software, service and media technologies; and their experimentation and validation in real application contexts. Projects under the FI-PPP are required to draw upon the wealth of results already achieved through earlier European research and to valorise them further through a systematic integration with a complete system perspective. The FI-PPP brings together the demand and the supply sides, and also requires involving users early into the research lifecycle. The platform to be developed will thus be used by many actors, in particular by SMEs and public administration services, to validate the technologies in the context of smart applications and their viability to support "user driven" innovation schemes.

The FI-PPP is based on a three-phased approach with four tightly related Objectives and three dedicated Calls for Project proposals to be carried out in period 2011 - 2015.

2.2.3.1 Cooperation opportunities

The cooperation opportunities for LATPs in respect with the European Future Internet PPP can be considered in different ways:

- F*- Participation of partners from Latin America in the scope of Future Internet PPP in upcoming Call2 (deadline for project proposals in October 2012, start of projects in April 2013) and Call 3 (start of projects in 2014)
- F*- Follow up of the overall Future Internet PPP achievements, in particular results of so-called Core Platform for Future Internet services and applications, in order to reconsider related research roadmaps in Latin America for medium and long term
- F*- Implementation of similar research programme in Latin American countries on initiative from the LATPs

2.2.3.2 Related FIRST activities

The FIRST project approached Future Internet PPP and provided information about the project and related activities in Latin America by contacting Mr. Luis Rodríguez-Roselló (Acting Director "Converged Networks & Services", European Commission) and Mr. Peter Fatelnig (one of EC officers responsible for the PPP).

The interaction between FIRST and the FI PPP program was initiated by Thales, as Thales is leading the FI PPP steering board and is member of the FI PPP dissemination working group. A presentation of FIRST was given to Concord and to the FI PPP Dissemination working group.

During the FIRST event at FIA Poznan, the European and Latin American ICT Technology Platforms Experts Encounter on the ICT Sectors, Mr. Peter Fatelnig gave the introductory speech supporting FIRST project promoting its goals and achievements of the LATPs , and encouraging partners from Latin America to actively participate at appropriate occasions. Both FI-WARE and CONCORD projects from FI-PPP have also participated to the event, presenting the views and interest from FI PPP and the economic and political aspects of the EU-LatAm cooperation

2.2.4 Celtic / Celtic Plus

Celtic-Plus¹ [4] is an industry-driven European research initiative to define, perform and finance through public and private funding common research projects in the area of telecommunications, new media, future Internet, and applications & services focusing on a new "Smart Connected World" paradigm. Celtic-Plus is a EUREKA ICT cluster and belongs to the inter-governmental EUREKA network.

Celtic-Plus is open to any type of company covering the Celtic-Plus research areas, large industry as well as small companies or universities and research organisations. Celtic-Plus projects may include non-Eureka countries, but each country has to apply to their national schemes. Any partner can participate in a self-funded basis, in case of not having funding. For each call Celtic-Plus will offer the opportunity to discuss potential proposals among interested experts either during Celtic-Plus Proposers' and Networking Days or via a special online "Project Partner Search" platform. More info at Celtic-plus (<http://www.celticplus.eu/>)

2.2.4.1 Cooperation opportunities

Celtic-Plus programme represents an additional opportunity for Latin American partners to establish cooperation with European partners besides FP7. This programme does not necessarily address the international cooperation in general, such is the case in FP7, but on telecommunications, new media, future Internet, and applications & services, and its instruments are open enough and could be used to bring together research organisations from Latin America and Europe in a number of projects. Since funding for the Celtic projects is ensured by National Authorities for project participants from respective countries, it is possible to involve international, as it is already the case in some Celtic projects.

Annex II present a set of tables which summarise the commonalities between Celtic-Plus priority topics and the different European programmes and initiatives, including ETPs and National Initiatives. The tables were extracted from the Celtic-Plus Purple Book. The Celtic-Plus Purple Book

¹ After around eight years of successfully running the EUREKA cluster Celtic, an application to extend the work for another eight years until the end of 2019 was submitted and approved in June 2010 at the EUREKA High-Level Group meeting under the German EUREKA chairmanship.

(<http://www.celticplus.eu/PurpleBook+/Celtic-Plus%20Purple%20Book-2011-web.pdf>) is a document that defines the main priorities on which Celtic-Plus projects should focus, and it has been prepared by the Celtic “Core Group” (Alcatel-Lucent, British Telecom, Deutsche Telekom, Ericsson, Eurescom, France Telecom, Italtel, Nokia Siemens Networks, RAD, Telefonica, Thomson, Telenor and Turkcell) and edited by the Celtic Office.

2.2.4.2 Related FIRST activities

The communication between FIRST and Celtic-Plus culminated with Celtic participation at the event co-organized by FIRST on Fostering EU-Latin America ICT Policy Dialogue, in Brussels, in November 2011. The event gathered together National Initiatives and Public Authorities, both from Europe and Latin America in order to pave the way to a more structured and intense European-Latina America ICT research cooperation.

FIRST promoted the dialogue between Celtic-Plus and Latin America Public Authorities from all the Countries involved in the project. Further contacts were maintained with the Public Funding Agency CORFO, from Chile; and with the ICT National Contact Point and the International Cooperation Department of the Ministry of Science, Technology and Productive Innovation, from Argentina.

FIRST also facilitated communication to the Celtic Core Group (a kind of Steering Committee overseeing the entire programme and making decision on its roadmaps and scope), and discussed further cooperation opportunities with Latin America and possible involvement of partners from this region in Celtic research projects.

3 References

[1] <http://www.future-internet.eu/>

[2] <http://cordis.europa.eu/fp7/ict/fire/>

[3] EC Work Programme 2011, Cooperation, Theme 3, ICT – C(2010)4900, 19 July 2010

[4] <http://www.celticplus.eu/>

4 Annexes

4.1 Annex I – Press Release from the European and Latin American ICT Technology Platforms Experts Encounter on the ICT Sectors

PRESS RELEASE

Poznań, 27 October 2011

First at Future Internet Assembly (FIA), Poznań 26th October 2011

On the 26th October 2011, from 0930hrs to 1300hrs, the FIRST Encounter Seminar was held in Poznań, Poland, in conjunction with the Future Internet Assembly 2011 that took place during the Future Internet Week (24-28 October). The seminar was intended to present the Latin American Technology Platforms on Future Internet and ICT Components, to share the information with stakeholders of the European ICT Technology Platforms and to seek possible ways for international cooperation among ETPs and LATPs.

The FIRST project aims, indeed, to extend the concept of European Technology Platforms (ETPs) to Latin American, by gathering strategic stakeholders from the different sectors included in the Future Internet, ICT Components and systems fields into one national ICT Technology Platform per country in Argentina, Brazil, Chile, Colombia and Mexico.

The Encounter was organized under the responsibility of Maria Barros from EURESCOM, Mauro Bianchi from TESEO, both FIRST Project Partners and Tonny Velin, together with Julián Seseña from ROSE, FIRST Project Coordinator, ran it. It counted with distinguished participants such as Chairs, Vice-Chairs, Steering Council Members of the European Technology Platforms NEM, ISI, Net!Works, EpoSS, Fotonics, NESSI, including the PPP FI and Living Labs that arouse big interest of the audience, as well as representatives of the 5 Latin American Technology Platforms of Argentina (PLATA represented by Gustavo Guaragna), Brazil (BraFip, Roberto Mayer), Chile (MACHI, Mario Bruno), Colombia (RECIIF, Harold Castro) and México (Mexican Technology Platform, Jorge Buitrón and Luis Cuellar). Each expert offered an overall image of the LATPs underlining visions and challenges linked to their own countries' strategy, with particular regard to their Strategic Research Agenda for Future Internet and ICT components and common areas for cooperation. The successful Seminar constituted the official ceremony of the constitution of the Latin American Technology Platforms (LATPs) and consequently, the major result of FIRST project. These Platforms will be essential counterparts for ETPs in Latin America, facilitating an efficient networking and collaboration with the ultimate objective of promoting joint research initiatives between European and Latin American entities from the ICT field.

Dr. Julián Seseña (ROSE Vision, Spain) commented "this Encounter has set up several new ways for research cooperation between Europeans and the five Latin American countries, which will serve undoubtedly for

enhancing the participation of researchers from these countries in the future European projects”. He also highlighted to the European Technology Platforms the need “to bear in mind the enormous potential of the Region in the field of Future Internet, thus justifying the opening of ETPs to the Latin American researchers”.

Mr. Klaus Pendl (European Commission) expressed his satisfaction for having attended this important meeting where the links between European Technology Platforms and the new Latin American Technology Platforms have been formalized. He said “I see today the achievement of very ambitious goals, when only two years ago these were only proposals of setting up Latin American Technology Platforms”.

For further information visit: www.latin-american-technology-platforms.eu

4.2 Annex II -Tables with commonalities between Celtic-Plus priority topics and the different European programmes and initiatives

CELTIC-PLUS PURPLE BOOK	eMobility SRA	eMobility SAA	NEM SRA	NESSI SRA	ISI SRA	EPoSS SRA	FI Cross-ETP
GET CONNECTED							
NETWORKS ELEMENTS AND INFRASTRUCTURES				X		X	X
Wireless	X	X			X	X	X
Optics	X						X
Energy Efficiency	X	X	X	X		X	
NETWORK ARCHITECTURE AND CONNECTIVITY	X				X		X
Networking	X	X	X			X	
Autonomic Networks	X						
Others	X			X	X		
WHILE CONNECTED							
FUTURE END TO END SERVICES	X	X	X	X			X
Digital Home		X	X				X
Digital Enterprise		X		X			
Digital City		X	X				X
Digital School							
Digital Car		X					
eHealth		X					
FUTURE SERVICE ENABLERS							
Future Service Platforms	X	X	X	X			
Future interfaces		X	X	X			
Multimedia enablers		X	X		X	X	
Security, trust and identity	X	X	X	X			X
Data Mining, Reality Mining, User modelling			X				
Business and Societal Issues			X	X			

Celtic-Plus Research Topics versus European Technology Platforms and Future Internet CrossETP

CELTIC-PLUS PURPLE BOOK	Spanish National Plan	Tekes GIGA, Strategy, ICT SHOK (FI)	ICT 2020 (DE)	Technos Clé 2010 (FR)	NICT Networking the Future (JP)
GET CONNECTED					
NETWORKS ELEMENTS AND INFRASTRUCTURES		X			
Wireless	X	X	X	X	X
Optics			X		
Energy Efficiency		X	X		X
NETWORK ARCHITECTURE AND CONNECTIVITY		X	X		
Networking	X	X	X		X
Autonomic Networks		X	X		X
Others		X		X	X
WHILE CONNECTED					
FUTURE END TO END SERVICES	X	X			
Digital Home		X	X		
Digital Enterprise	X	X			X
Digital City	X	X			X
Digital School					
Digital Car					
eHealth	X	X			X
FUTURE SERVICE ENABLERS					
Future Service Platforms	X				X
Future interfaces	X		X	X	X
Multimedia enablers	X		X	X	X
Security, trust and identity	X	X	X	X	X
Data Mining, Reality Mining, User modelling		X			
Business and Societal Issues		X			

Celtic-Plus Research Topics versus National R&D Programmes and Initiatives

CELTIC-PLUS PURPLE BOOK	ISTAG ICT Strategy	Interdisciplinary Research Activities for Future Internet	FI 2020
GET CONNECTED			
NETWORKS ELEMENTS AND INFRASTRUCTURES		X	
Wireless			X
Optics			X
Energy Efficiency			X
NETWORK ARCHITECTURE AND CONNECTIVITY	X	X	X
Networking		X	
Autonomic Networks		X	
Others		X	
WHILE CONNECTED			
FUTURE END TO END SERVICES	X		
Digital Home			X
Digital Enterprise			
Digital City			
Digital School			
Digital Car			
eHealth			
FUTURE SERVICE ENABLERS			
Future Service Platforms		X	X
Future interfaces			X
Multimedia enablers		X	X
Security, trust and identity	X	X	X
Data Mining, Reality Mining, User modelling			
Business and Societal Issues	X		

Celtic-Plus Research Topics versus EC Documents