

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	D5.2.2 Feedback to European Technology Platforms, Annual report – period #2
Deliverable Lead:	Eurescom
Related Work package:	WP5 – Task 5.2
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Dissemination level:	PU – Public
Status of the document	Final 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 Technology Platforms.
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EXECUTIVE SUMMARY

This deliverable summarizes the activities carried out within Task 5.2 "Feedback and liaison with European Technology Platforms (ETPs)", to establish liaison between the FIRST Project and Latin American Technology Platforms (LATPs) with the ETPs (key counterpart of LATPs), during the second year of the project.

The ETPs contacted within the scope of the FIRST project are:

- F*- Net!Works (eMobility), The Mobile and Wireless Communications Technology Platform
- F*- ISI, the Satellite Communications Technology Platform
- F*- NEM, The networked and electronic Media Technology Platform
- F*- NESSI, the European Technology Platform dedicated to Software and Services
- F*- ARTEMIS, the European Technology Platform for Embedded Intelligence and Systems
- F*- Photonics 21, The Technology Platform for Photonics in Europe
- F*- ENIAC, European Technology Platform on Nanoelectronics
- F*- EPoSS, The European Technology Platform on Smart Systems Integration

The FIRST project maintained tight cooperation to all ETPs mentioned above, through different joint activities, such as mutual attendance to related events, articles in newsletters or websites, 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 the ETPs.

A significant impact in promoting cooperation opportunities between ETPs and LATPs has been achieved and culminated at FIA event in Poznan, October 2011, with the European and Latin American ICT Technology Platforms Experts Encounter on the ICT Sectors organized by FIRST.

The successful Encounter constituted the major result of FIRST project and it counted with distinguished participants such as Chairs, Vice-Chairs, Steering Council Members of the European Technology Platforms NEM, ISI, Net!Works, EpoSS, Photonics 21, NESSI, including the PPP FI and Living Labs, 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). The main objectives achieved at the Encounter were:

- presenting the Latin American Technology Platforms on Future Internet and ICT Components;
- sharing the information with stakeholders of the European ICT Technology Platforms;
- and seeking possible ways for international cooperation among ETPs and LATPs.

1 General introduction

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 ETPs. Thus, this WP ensures that all relevant European groups are aware and get benefits from FIRST results and LATPs through:

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

This deliverable summarises corresponding activities carried out during the second project year within Task 5.2 “Feedback and liaison with ETPs”, established to establish links with ETPs oriented to Future internet.

Activities within this task include:

- F*- **Publish press releases and articles** in ETPs publications (newsletters, magazines, etc.) and websites. The aim of these articles will be to promote the cooperation between European and Latin American researchers and increase awareness on LATPs activities.
- F*- **Presence and active participation** in ETPs activities and events, such as General Assemblies and most relevant events, such as NEM Summit, ICT Mobile summit, Service Wave, etc. FIRST will participate in General Assemblies in order to present project activities and opportunities for ETPs members, organize specific sessions during ETPs events, or participate in specific sessions aimed to international cooperation

2 Feedback and liaison with ETPs

In order to provide feedback on FIRST project activities as well as activities of Technology Platforms in Latin America and promote cooperation among Europe and Latin America in ICT related research, the following materials were distributed:

- FIRST project brochure.
- Link to FIRST website (<http://www.latin-american-technology-platforms.eu/>).
- 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).
- Regional LAMP Vision 2020 on Future Internet cooperation (available at http://www.latin-american-technology-platforms.eu/uploads/Vision-2020_Regional-LAMP-Vision-2020.pdf)
- 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>)
- 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)
- Mexican LAMP dissemination materials (presented at FIA Poznan)
- Colombian LAMP brochure (presented at FIA Poznan)

The materials were provided to the following ETPs:

- Net!Works (eMobility), The Mobile & Wireless Communications Technology Platform [1]
- ISI, the Satellite Communications Technology Platform [2]
- NEM, The networked and electronic Media Technology Platform [3]
- NESSI, the European Technology Platform dedicated to Software and Services [4]
- ARTEMIS, the European Technology Platform for Embedded Intelligence and Systems [5]
- Photonics 21, The Technology Platform for Photonics in Europe [6]
- ENIAC, European Technology Platform on Nanoelectronics [7]
- EPoSS, The European Technology Platform on Smart Systems Integration [8]

From the beginning of the project FIRST has maintained tight cooperation to all ETPs 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.

FIRST has distributed responsibilities among its partners as it is indicated in the following table:

ETP / JTI	Responsible of feedback within FIRST
Net!Works (eMobility)	EUR
ISI	ROS
NEM	ROS-EUR
NESSI	THA
ARTEMIS	THA
ENIAC	EUR
EPoSS	ROS
Photonics 21	ROS

2.1.1 Net!Works (eMobility), The Mobile and Wireless Communications Technology Platform

Focus of the platform:

Mobile communications is one of the technology sectors in which Europe has a clear global leadership position. This success in global markets was developed from the results of EU-funded collaborative research on second and third generation mobile technologies, which formed the basis of successful global standards. In fact, the scale of this success is now such that the economic impact of mobile and wireless sector is now greater than that of the Internet.

In this context, eMobility defines and implements a comprehensive research agenda in the mobile and wireless sector to be conducted in Europe, on the basis of a strong co-ordination of the national research efforts as well as the collaboration of key research programmes from other regions in the world.

EURESCOM (Partner #2) supports this ETP secretariat

Tasks performed:

- Briefings to representatives of Net!Works.
- Contacts with key members of their steering Boards.
- Participation in conference calls and e-mail communications with Net!Works Steering Committee and discussions about FIRST and Latin America, with a positive feedback on the quality of labs involved in FIRST and a general agreement to have some exchanges to further investigate cooperation.
- Regular information about the progress of FIRST by sending newsletters.
- Contact with Spanish mirror eMOV.

- Contacts maintained between Net!Works Steering Committee and the Mexican Technology Platform (MTP) e_MOBILITY-MEX.
- Contact maintained between Net!Works Steering Committee and Argentine TP (PLATA), Chilean Technology TP (MACHI) and Common EU-LatAm Regional Strategy of Future Internet.
- ALETI participated in e.mov in 2010 on behalf of the FIRST Project.
- CINTEL contacted this ETP prior to FIA Poznan to arrange a meeting with a representative (Mr. Werner Mohr), also sent the national SRA to explore possibilities of working together and discuss them at the event.

2.1.2 ISI, the Satellite Communications Technology Platform

Focus of the platform:

ISI is the European Technology Platform on **Satellite Communications**, whose membership embraces all relevant and interested private and public stakeholders from SatCom and the Space sector. Currently ISI involves more than 170 member organizations and 29 Countries.

The ISI European Technology Platform brings together in a unified, industry led body all research, technology and innovation aspects related to satellite communications, including **mobile, broadband, and broadcasting applications**. The purpose is to foster and develop the entire industrial sector, maximize the value of European research and technology development, and contribute to EU and ESA policies.

In 2006, the total turnover of European Space Industry was nearly 5 Billion Euro, out of which nearly 2 Billion Euro directly earmarked to Telecommunications satellites. But the importance of telecommunications to European Space Industry is not only derived of its own direct weight but also from the proportion of other sectors that heavily depend on it, like the Launcher Industry, that exists because of the telecommunications demand. It is estimated that 90% of all commercial launches are dedicated to telecommunications satellites.

ROSE (Partner #1) supports this ETP secretariat

Tasks performed:

- Briefings to representatives of ISI.
- Contacts with key members of their steering Boards.
- Participation in conference calls and e-mail communications with ISI.
- Regular information about the progress of FIRST by sending newsletters.
- Contact with Spanish mirror eISI.
- ALETI participated in e.ISI in 2010 on behalf of the FIRST Project.

2.1.3 NEM, The networked and electronic Media Technology Platform

Focus of the platform:

The main objective of the Networked and Electronic Media (NEM) European Technology Platform is to foster the development and introduction of novel **audiovisual and multimedia broadband**

services and applications to benefit European citizens and enterprises. The Networked and Electronic Media (NEM) Technology Platform focuses on an innovative mix of various media forms, delivered seamlessly over technologically transparent networks, to improve the quality, enjoyment and value of life. NEM represents the convergence of existing and new technologies, including broadband, mobile and new media across all ICT sectors, to create a new and exciting era of advanced personalised services.

The major focus of NEM is on innovative services and applications that constitute different media forms delivered over a wide variety of complementary access networks (satellite, terrestrial, cable, twisted pairs, optical fibre, community installations, microwaves infrastructures, etc.) in a seamless and interactive way to a variety of end-user terminals and devices, including fixed and handheld terminals. Improving the quality, enjoyment, trust and value of the user experience is at the heart of NEM. Empowering end-users to dynamically create their environments in which the quality of access to value-added content and services is the key enabling factor.

EURESCOM (Partner #2) and ROSE (Partner #1) support this ETP secretariat

Tasks performed:

- Briefings to representatives of NEM.
- Participation at NEM Summit, Torino, Italy, September 2011, with a presentation of the project.
- Participation at NEM General Assembly collocated with the NEM Summit in Torino, Italy, September 2011, with a presentation of the project.
- Contacts with key members of their steering Boards.
- Participation in conference calls and e-mail communications with NEM.
- Regular information about the progress of FIRST by sending newsletters.
- Contact with Spanish mirror eNEM.
- ALETI promoted NEM Torino 2011 to PLATA and MACHI.
- ITS Chile, motivated by ALETI, contacted EpoSS in order to establish contact and present some initiatives.
- CINETEL contacted this ETP prior to FIA Poznan to arrange a meeting with a representative (Mr. Pierre-Yves Danet), also sent the national SRA to explore possibilities of working together and discuss them at the event. CINETEL linked Sytecno with Prodigy Consultores at Spain to work in the field of Ecotourism with ICT support.
- CINETEL linked Universidad del Cauca with Virtualware to explore the serious game field.

2.1.4 NESSI, the European Technology Platform dedicated to Software and Services

Focus of the platform:

Europe faces a period of potentially profound changes: in social attitudes, economic conditions and the business environment. This makes **the ability to evolve continuously essential for the users of services**, and therefore also for the technology used to deliver them. Technology must be an enabler of change rather than an inhibitor. Enlargement of the European Union and the changing nature of trade with the rest of the world puts a strong emphasis on a multicultural approach to business. This

cannot be simply regarded as the need to use different languages, but rather as the need to fully adapt more fully to the ways people behave and communicate in different countries and cultures.

The main focus of NESSI is that of **service**. There are many definitions of service used in different contexts. However, all of them are based on the same principle: **a service consumer does not own the service** and therefore doesn't need to be concerned with all the aspects generally associated with ownership such as infrastructure, technology, integration and maintenance. Instead he/she only needs to choose a service which meets his business needs.

THALES SERVICES (Partner #4) supports this ETP secretariat

Tasks performed:

- FIRST was labeled as NESSI Compliant Project
- Briefings to representatives of NESSI.
- Contacts with key members of their steering Boards.
- Participation in conference calls and e-mail communications with NESSI.
- Regular information about the progress of FIRST by sending newsletters.
- Publication of an article regarding NESSI SRA in FIRST newsletter.
- Foster the creation of a Working Group on International Cooperation to ease collaboration between NESSI and external entities.
- Regular information of NESSI National Initiatives Working Group about the progress of FIRST project by circulating newsletters, information related to LATPs and deliverables.
- Contact with Spanish mirrors INES and es.Internet.
- Contact with Mexican Technology Platform (MTP) NESSI -MEX.
- CINTEL contacted this ETP prior to FIA Poznan to arrange a meeting with a representative (Mr. Reinhold Achatz Pierre-Yves Danet), also sent the national SRA to explore possibilities of working together and discuss them at the event.

2.1.5 ARTEMIS, the European Technology Platform for Embedded Intelligence and Systems

Focus of the platform:

The ARTEMIS technology platform brings together actors from industry, small and medium-sized enterprises, universities, research centres and European public authorities in the field of **Embedded Systems**. ARTEMIS helps to create the necessary critical mass and co-ordinate research efforts and initiatives across Europe in order to establish and implement a coherent and integrated European research and development strategy for Embedded Systems.

Embedded Systems are specialized computers used in larger systems or machines to control equipment such as automobiles, home appliances, communication, control and office machines. With the constant evolution of electronics and software technologies, and pulled even more by demand from consumers, they are increasingly becoming an integral and often invisible component of the world around us. Today, embedded systems are just about everywhere; in cars, medical devices, airplanes, factories, electrical networks, in our living rooms and at work. Embedded

Systems are so universal because they add computing and communication capability to everyday products, equipping them with new, exciting functions. Already, 90% of computing devices are in Embedded Systems, and with current growth rates the number of embedded programmable components will reach 16 billion by 2010 (nearly 3 embedded devices per person on earth) and over 40 billion worldwide by 2020.

THALES SERVICES (Partner #4) supports this ETP secretariat

Tasks performed:

- Contacts with key members of their steering Boards.
- Participation in conference calls and e-mail communications with NESSI.
- Regular information of ARTEMIS secretaria about the progress of FIRST by sending newsletters and key deliverables.
- ALETI made virtual contact with ARTEMIS ETP and mails were exchanged with Irene Lopez Vallejos in order to invite her to FIRST Session to FIA Poznan. Then, ALETI met her personally in Brussels in the FORESTA Final conference event. Contacts were made with ARTEMIS Working Group in Chile.

2.1.6 ENIAC, European Technology Platform on Nanoelectronics

Focus of the platform:

Nanoelectronics are the essential hardware enabler for electronic product and service innovation in key growth markets for European industry, such as telecommunications, transportation and medical technology. ENIAC, the European Technology Platform for Nanoelectronics, was launched in 2004 with the overall aim to guarantee Europe the earliest possible access to leading-edge integrated components and design skills for application in high-technology products and services, thereby reinforcing Europe's existing industrial strengths and ensuring that core intellectual property is generated and benefited from in the region.

ENIAC is created through the concerted efforts of experts from industry, academia, and public authorities across Europe. Top executives of leading European companies and research organisations have signalled their full commitment to reaching the ambitious goals set out by the SRA and the Joint Technology Initiative in Nanoelectronics proposed by the European Commission.

Tasks performed:

- Briefings to representatives of ENIAC.
- Contacts with key members of their steering Boards.
- e-mail communications with ENIAC.
- Regular information about the progress of FIRST by sending newsletters.
- Contact with Spanish mirror GENESIS.
- Mr. Daniel Lupi, leader of PLATA ENIAC WG (Argentina), participated in ENIAC CATRENE 2011 at Berlin thanks FIRST (ALETI) and GENESIS intermediation.

2.1.7 EPoSS, The European Technology Platform on Smart Systems Integration

Focus of the platform:

European industry is a world leader in Microsystems and related advanced technologies. The further enhancement of product capabilities and services through evolving complexity, integration and interconnectivity will help to ensure Europe's global competitiveness. Future innovations and market success will depend on intensifying technical developments and infrastructure investments.

Smart systems integration addresses the trend toward miniaturized multifunctional devices and specialized connected and interacting solutions. Multidisciplinary approaches featuring simple devices for complex solutions and making use of shared and, increasingly, self-organizing resources are among the most ambitious challenges.

EPoSS proposes a multilevel approach incorporating various technologies, functionalities and methodologies to support the development of new visionary products. Rather than solving problems piece-meal at the components level, systems approaches offering comprehensive solutions are to be preferred. EPoSS builds upon new multidisciplinary technologies and concepts following a problem-solving approach.

Tasks performed:

- Briefings to representatives of ePOSS.
- Contacts with key members of their steering Boards.
- Participation in conference calls and e-mail communications with ePOSS.
- Regular information about the progress of FIRST by sending newsletters.
- Contact with Spanish mirror HISPARO.
- ALETI contacted EPoSS (Carles Cane) and linked this ETP with Fundación Argentina de Nanotecnología since they were looking for specific researchers in sensor, micro and nanosciences of the food field. In Chile, the contact was made with the Food and Nanosciences NCP.
- ITS Chile, motivated by ALETI, contacted EpoSS in order to establish contact and present some initiatives.

2.1.8 Photonics 21, The Technology Platform for Photonics in Europe

Focus of the platform:

P21 undertakes to establish Europe as a leader in the development and deployment of Photonics in five industrial areas (Information and Communication, Lighting and Displays, Manufacturing, Life Science and Security).

Its mission is the coordination of the research and development activities in Europe among all the contributing partners from education, basic research, applied research and development to manufacturing and all relevant applications.

The entry into the "photon century" requires a shared European initiative that enables industry and research to uphold their outstanding initiatives to explore the nearly limitless future applications of

light and to reap the expected benefits in terms of creating both jobs and wealth. Many important European industries, from chip manufacturing and lighting, health care and life sciences, to space, defense and the transport and automotive sectors rely on the same fundamental mastery of light. Without strong European leadership in photonics technologies, these industries will be left vulnerable to strong competition from the USA and Asia.

Tasks performed:

- Briefings to representatives of Photonics 21.
- Contacts with key members of their steering Boards.
- Participation in conference calls and e-mail communications with Photonics 21.
- Regular information about the progress of FIRST by sending newsletters.
- Contact with Spanish mirror FOTONICA.

3 Further related activities

The European and Latin American ICT Technology Platforms Experts Encounter on the ICT Sectors was a major event regarding FIRST achievements towards the liaison between LATPs and ETPs. It was an event collocated at FIA Poznan, October 2011, which counted with participation of representatives from the European Commission, LATPs, ETPs, and FI-PPP.

The FIRST Encounter Seminar was intended to present the Latin American Technology Platforms on Future Internet and Information and Communication Technologies Components, to share information with stakeholders of the European ICT Technology Platforms and to seek possible ways for international cooperation among ETPs and LATPs. The project aims, indeed, to extend the concept of European Technology Platforms 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 objectives of the Encounter were achieved and the event constituted a major success. The press release of this event is presented in annex I.

4 References

- [1] Net!Works (eMobility) – The Heartbeat of a smarter Society- <http://www.networks-etp.eu/>
- [2] ISI – Integral SatCom Initiative – <http://www.isi-initiative.org/>
- [3] NEM – Network Electronic Media – <http://www.nem-initiative.org/>
- [4] NESSI – Software and Services – <http://www.nessi-europe.eu/>
- [5] ARTEMIS – Embedded Systems – <http://www.artemis.eu/>
- [6] ENIAC – Nanoelectronics – <http://www.eniac.eu/>
- [7] ePOSS – Smart Systems Integration – <http://www.smart-systems-integration.org/public>
- [8] Photonics – Photonics – <http://www.photonics21.org/>

5 Annexes

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

Poznań, 27 October 2011

First at the 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

5.2 Annex II- Examples of presentations of FIRST to the ETPs:

5.2.1 FIRST at the 12th NEM General Assembly, 27th September 2011

First

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

12th NEM General Assembly

Torino, 27th September 2011

Dr. Julián Seseña, Rose Vision

First

Project goals. Why FIRST?

The ultimate goal of this project is to
set up 5 ICT Technology Platforms in Latin America
(Argentina, Brazil, Chile, Colombia and México)

and establish **fluent links and active cooperation**
between these 5 Technology Platforms and the existing
European Technology Platforms (ETPs) in the ICT field.

These 5 Latin American Technology Platforms
(LATP) will be created around the theme **Future
Internet, ICT Components and systems.**

The internal structure of each LATP will match the
typical ETPs structure in order to facilitate the later
cooperation among LATPs and ETPs.

► Torino, 27th September 2011

First

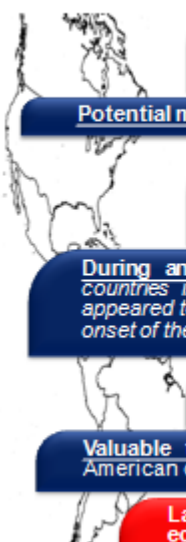
Project objectives

- * **Objective 1:** Identification of **key stakeholders** with **technical capacity** and interest in the fields of Future Internet, and map them according to ETPs structure (eMobility, ISI, NEM, NESSI, ARTEMIS, ENIAC, EPoSS and photonics 21) and their profile (Large industry, SME, Technological centre and University).
- * **Objective 2:** Identification of **areas** for potential cooperation in each of the LatAm countries targeted by FIRST. Areas will also match those ICT fields in which ETPs are focused. **Critical mass** will be key for selecting these areas.
- * **Objective 3:** Creation of **Latin American Technology Platforms (LATPs)** on Future Internet and thematic working groups as counterparts of European Technology Platforms (ETPs)
- * **Objective 4:** Creation and maintenance of **links and active cooperation** between ETPs and LATPs
- * **Objective 5:** Creation of a common EU-LatAm SRA and roadmap towards the implementation for cooperation on Future Internet
- * **Objective 6:** **Specific and targeted dissemination** to research communities in Europe through dedicated activities within ETPs General Assemblies (GA), ETPs newsletters, press releases, etc.
- * **Objective 7:** **Dissemination** activities within Campus party in LatAm

► Torino, 27th September 2011

First

Why Latin America?



In general, cooperation with developing economies is essential for several reasons such as later adoption of European technologies. It is also the case for Future Internet.

Potential market: 570 Million inhabitants.

Good evolution: Continuous growth (>5% GDP) has been the general trend during the last years in Latin America, being one of the developing regions with major level of investments from European companies.

During and after the economical crisis: "By 2009-Q4, many countries in the region not only regained lost ground, but even appeared to be in some respects stronger than they were before the onset of the global crisis" (LABER, 2009).

Expected growth: The estimated average GDP growth for Latin America in next 5 years is above 4% (ECLAC, 2009).

Valuable technological partners: In the last years some Latin American companies have entered into the top 1000 R&D entities.

Latin America is one of the most interesting developing economies in which Europe can look for potential market and strategic partnerships

► Torino, 27th September 2011

First

Technology Platforms – lifecycle



First + Roadmap for future implementation of EU-LatAm cooperation

Torino, 27th September 2011

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ETPs structure in the ICT field and coordination with LATPs

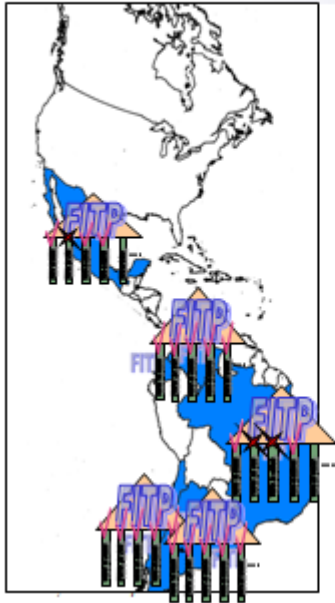
Future Internet	eMobility	Mobile and Wireless Communications	←→	WG1	
	ISI	Satellite Communications		WG2	
	NEM	Networked Electronic Media		WG3	
	NESSI	Software and systems		WG4	
ICT Components	Photonics 21	Photonics		LATP	WG5
	ENIAC	Nanoelectronics		WG6	
Systems	EPoSS	Smart Systems Integration		WG7	
	ARTEMIS	Embedded Intelligence and Systems		WG8	

During M1-M7 the project has performed several analysis on potential areas for cooperation on sector basis (according to ETPs)

NEM has been considered as a potential area for cooperation in all the target countries, and therefore these LATPs will include a WG focused on NEM

Torino, 27th September 2011

First Future Internet Technology Platforms in LatAm



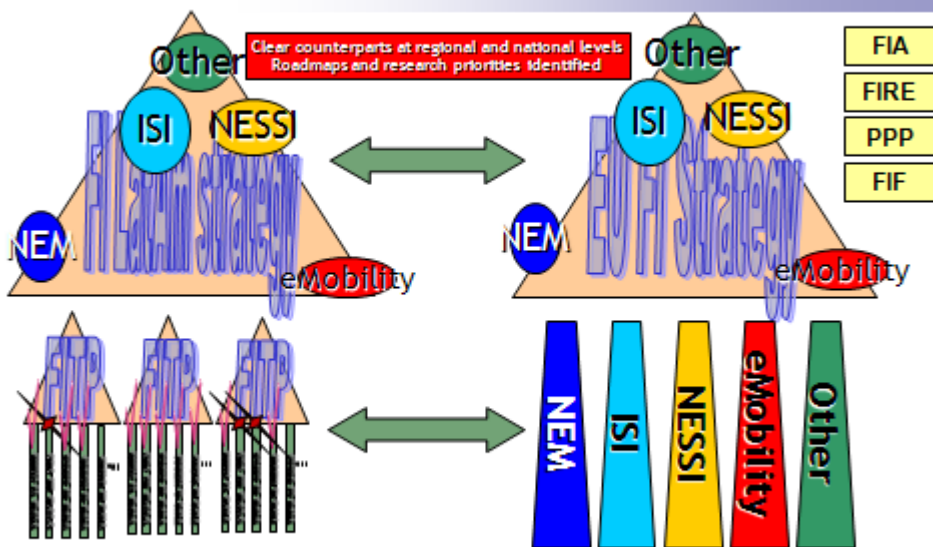
LATP

One Future Internet Technology Platform per country that will be sustained by different TWGs (Thematic Working Groups inspired in ETPs) focused on those areas in which potential for cooperation and critical mass are identified

TWGs

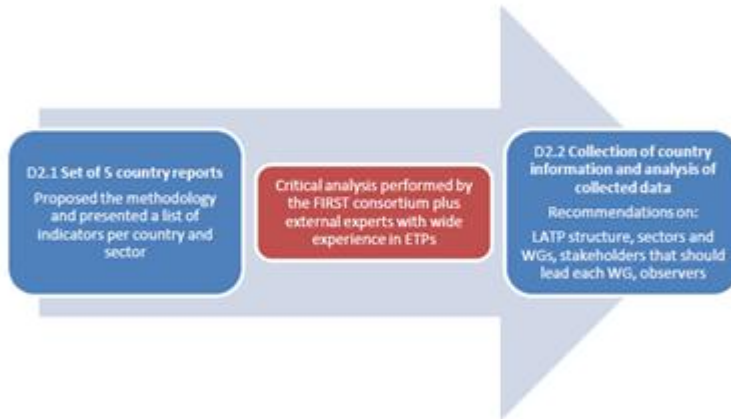
TWGs will be the counterparts of ETPs at National level... National Initiatives

First FI cooperation between Europe and Latin America – AFTER “FIRST”



Torino, 27th September 2011

First



► Torino, 27th September 2011

First

Results: High interest on eMobility in Latin America

- Only eMobility, NEM and NESSI has showed this high interest to Latin American industry and researchers:

Table 1. Working Groups Distribution by country

	Embedded Systems	Mobile and Wireless	Nanoelectr.	Networked Electronic Media	Photonics	Satellite Commun.	Smart Systems	Software and Services
AR	X	X	X	X			X	X
BR	X	X		X	X			X
CL	X	X		X			X	X
CO		X		X				X
MX	X	X	2	X	X		X	X

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First

Some figures

- * Future Internet LATPs have still not been officially launched and already **more than 370 entities** are involved.
- * These figure only considers the **5 countries** where the project is active.
- * Among these initial members there is a high presence of **industry** with around **40% of membership**.
- * These figures are comparable to the ones obtained in the early stages of the creation of ETPs.
- * Initial membership per country:

Country	Initial members (Founders group)
Argentina	61
Brazil	54
Chile	42
Colombia	60
Mexico	157
TOTAL	374

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Benefits and opportunities for ETPs and European researchers

For ETPs the LATPs will be **natural extensions** of their constituencies, bringing international cooperation contributions to the ETPs day-by-day activities in a structured and coordinated way.

LATPs will be a direct way for ETPs to **extend the influence** of their SRAs to Latin America.

LATPs will facilitate the **identification of partners** and cooperation opportunities.

Thanks to LATPs, **European priorities and strategies on Future Internet R&D will be widely disseminated**, making easier the later implementation and adoption of European technologies.

FIRST and LATPs will involve in key European activities such as FIA, FIRE, PPP on Future Internet, etc. in order to complement these activities with the **international cooperation dimension, focusing on opportunities for cooperation with developing economies**

► Torino, 27th September 2011

First

For more information...

For general information please visit our website:

www.latin-american-technology-platforms.eu

If you want to check which are the potential areas for cooperation in the countries addressed by the project, please read the project deliverables **D2.1 National reports** or **D2.2 LATPs country matrix** available at:

http://www.latin-american-technology-platforms.eu/docs/FIRST_D2.1_National_reports_v1.0.pdf

Any feedback to the documents will be welcomed.

A futher workshop is planned at Andicom 2010 in Cartagena de Indias, Colombia

In 2011, the FIRST project will organise the **EU-LatAm Technology Platforms Summit** and **NEM** will be one of the most relevant ETPs invited to join the Summit Organizing Committee. (Poznan, Poland, FIAcontext, October 25th)

► Torino, 27th September 2011

First Consortium

- Rose Vision, S.L. - ROSE
- Eurescom – European Institute for Research and Strategic Studies in Telecommunications - GMBH EURESCOM
- Technical support for European organisations sprl - TESEO
- Thales Services SAS - THALES SERVICES
- Universidade De Sao Paulo - USP
- Instituto Tecnológico y de Estudios Superiores de Monterrey - ITESM
- Centro de Investigación de las Telecomunicaciones - CINTEL
- Futura Networks do Brasil Consultoria Lda – FBR
- Federación de asociaciones de Latinoamérica el Caribe y España de Entidades de Tecnologías de la información - ALETI

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Thank you very much

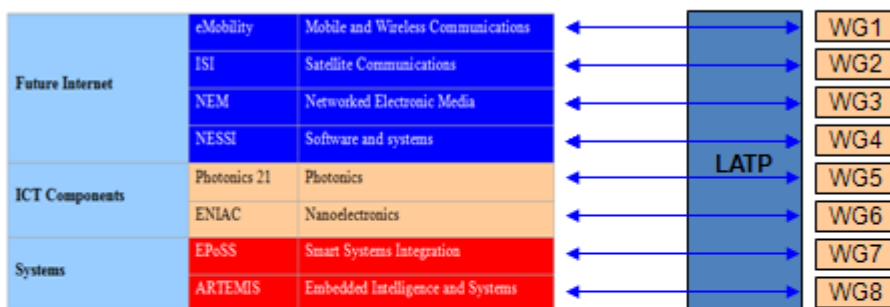
Project coordinator: *FIRST Team at ROSE*
Dr. Julián Seseña (jsesena@rose.es)
Antonio Alfaro (alfaro@rose.es)
Tonny Velin (tvelin@rose.es)

Torino, 27th September 2011

5.2.2 FIRST at FIA Parallel Session on Research Roadmaps for the Future Internet: Priorities future research, Poznan, 25th October 2011



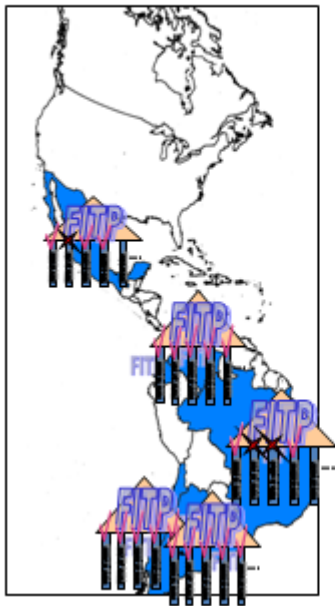
ETPs structure in the ICT field and coordination with LATPs



Strategic research agendas on potential areas for cooperation on sector basis (according to ETPs)

NEM, Net!Works, ISI, NESSI, EPOSS, ENIAC, ARTEMIS have been considered as a potential area for cooperation in some of the target countries, and therefore these LATPs will include a WG focused on specific ETPs focus

Future Internet Technology Platforms in LatAm



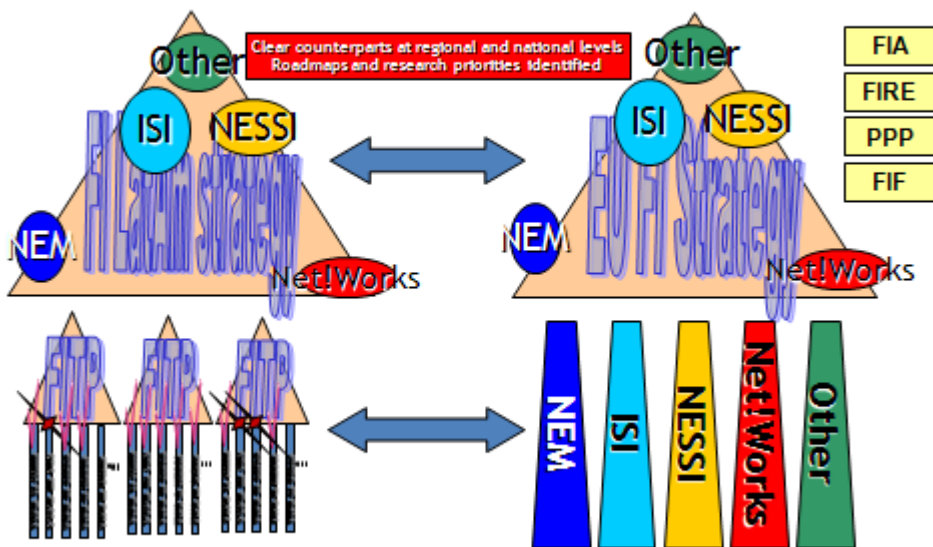
LATP

One Future Internet Technology Platform per country is sustained by different TWGs (Thematic Working Groups inspired on ETPs) focused on those areas in which potential for cooperation and critical mass are identified

TWGs

TWGs are the counterparts of ETPs at National level... National Initiatives

FI cooperation between Europe and Latin America – AFTER “FIRST”



Results: Matching Interests

Table 1. Working Groups Distribution by country

	Embedded Systems	Mobile and Wireless	Nanoelectr.	Networked Electronic Media	Photonics	Satellite Commun.	Smart Systems	Software and Services
AR	X	X	X	X			X	X
BR	X	X		X	X			X
CL	X	X		X			X	X
CO		X		X				X
MX	X	X	²	X	X		X	X

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Thank you very much

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Poznan, 25th October 2011