

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	D3.3 Set of 5 country Roadmap towards Future Internet Strategic Research Agendas implementation
Deliverable Lead:	ROSE
Related Work package:	WP3 – Task 3.3
Author(s):	ROSE, ITESM, CINTEL, ALETI, USP
Dissemination level:	PU – Public
Status of the document	Draft version
Version	1.0
Due submission date:	01/10/2011
Actual submission:	16/12/2011
Instrument:	Support Action
Start date of Project:	01/01/2010
Duration:	24 months
Project coordinator:	Rose Vision

Abstract	This document compiles the set of 5 roadmaps towards implementation of future internet strategic research agendas
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Versioning and Contribution History

Version	Date	Modification reason	Modified by
v.0.1	26-07-2011	First version	Julián Seseña, Tonny Velin (ROSE)
v.0.2	03-08-2011	Adaptation to the Latin American context	Silvia Bidart, Luz Ledesma Clavell, Silvina Julieta Bidart (ALETI) Mauricio Montenegro, Dario Palma (CINTEL)
v.1.0	16-12-2011	Integration of inputs	Tonny Velin (ROSE)

The document integrates the contributions provided by the following partners:

- ROSE for the Roadmap methodology and content.
- ALETI for Argentina and Chile
- CINTEL for Colombia
- ITESM for Mexico
- USP for Brazil

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EXECUTIVE SUMMARY

The main objective of WP3 is to create and launch Technology Platforms in Argentina, Brazil, Chile, Colombia and Mexico in the area of Future Internet. This deliverable summarizes the activities carried out within Task 3.3 “Implementation of the Strategic Research Agenda”.

During year 1 of the FIRST project, three main activities have been conducted:

- F*- Coordination with WP2 in order to guarantee that the analysis performed in this WP was correctly oriented and produced valid outcomes for the take up of WP3 and the respective national steering councils.
- F*- Production of the draft versions of all the necessary documents. The following documents have been produced and distributed:
 - Governance and structure,
 - Letter of Interest,
 - Steering Council candidature,
 - Strategic Vision document,
 - SRA-skeleton,
 - Project proposal form.
- F*- Management of the individual discussions at each LATP in order to define Governance and Vision documents and to revise the documents.

During the first semester of year 2, two activities were developed:

- F*- Signature of LATPs Vision
- F*- National Strategic Research Agendas production (one for each country)

The last semester of the project will be dedicated to Deliverable 3.3, which compiles the set of 5 countries roadmaps for the implementation of their respective strategic research agendas.

Each roadmap includes:

- F*- 5 concrete research topics that will be the basis for future possible cooperation through FP7-ICT.
- F*- For each one of these 5 topics, at least one Latin American and one European research entity will be identified. These two entities will be selected according to their demonstrated interest and potential to establish a real cooperation in future calls of FP7-ICT. For this purpose, Latin American partners will contact European counterparts who will identify a suitable European partner for each topic.

D3.3 compiles these research topics and entities in one document per country (roadmap towards the implementation of FI SRAs) that will be the major outcome of this last phase. It is important to note that a research topic is a concrete project idea aligned with the priorities of the SRAs.

1 GENERAL INTRODUCTION

The main objective of WP3 is to create and launch Technology Platforms in Argentina, Brazil, Chile, Colombia and Mexico in the area of Future Internet. In order to achieve this high-level objective, other more specific objectives have been fixed:

- F*- Draft initial versions of **governance documents** for the national LATPs according to their particular structures and membership.
- F*- **Activate discussions** within the initial core group proposed in WP1 and support the secretariat of this group.
- F*- **Motivate the participation** of additional actors in the national LATPs as part of the LATP general assembly (typical membership of the technology platform).
- F*- **Edit documents** to be produced by each LATP (main documents will be Vision, SRA and roadmap for the implementation of the SRA).
- F*- **Provide support and assistance** in the day-by-day activities of the technology platform.
- F*- **Organize LATPs events** such as General Assemblies and conference calls according to the events calendar agreed by the Steering Council of the platform.

Two tasks are of relevant importance of WP3:

Task 3.2 Definition of a Strategic Research Agenda:

The Steering Council has agreed on the strategic common vision of the platform, and made a **broad call to the ICT sector in the country** in order to invite all interested entities to join the technology platform (as regular members or in some cases as additional Steering Council members depending of the LATP governance).

After the official creation of the LATP, another key activity will be to **organize the first General Assembly** of each national LATP.

Nonetheless, the definition of the first version of the SRA of the LATP will be the most relevant activity in this period. The Strategic Research Agenda (SRA) should set out research and technological priorities in the medium and long-term. The **development of the Strategic Research Agenda** will be coordinated at national level by each national responsible, and supported by an advisory council in which European experts from European Technology Platforms (ETPs) will participate (at least 4 experts with experience in the edition of SRAs in ETPs will participate in this advisory group).

Task 3.3 Implementation of the Strategic Research Agenda (ROS):

This task focuses on the mid-long term sustainable cooperation between LATPs and ETPs, setting up the basis for future cooperation between European and Latin American researchers. The main activity in this phase is to promote the identification of research themes in which future cooperation could be established between European and Latin American researchers. These research themes should be focused on the implementation of the national LATPs Strategic Research Agendas.

The expected outcome is a document in which at least the following information is included per each country (Argentina, Brazil, Chile, Colombia and Mexico):

- 5 concrete research topics that will be the basis for future possible cooperation
- For each one of these 5 topics, at least one Latin American and one European research entity will be identified. These two entities will be selected according to their demonstrated interest and potential to establish a real cooperation in future calls of FP7- ICT.

FIRST will compile these research topics and entities in one document per country (**roadmap towards the implementation of FI SRAs**) that will be the major outcome of this last phase.

2 METHODOLOGY FOR ROADMAP IMPLEMENTATION OF STRATEGIC RESEARCH AGENDAS

This section describes the methodology towards the elaboration of research roadmaps for the five countries of the scope of FIRST. This methodology was defined to ensure that this roadmap takes into account inputs provided by stakeholders from all different sectors in Brazil, Argentina, Colombia, Chile, Mexico and Europe, taking as reference the latest versions of the results of the Task 3.2 FIRST: the Latin American Technology Platforms Strategic Research agendas.

The following picture shows a general view of the underlying methodology:

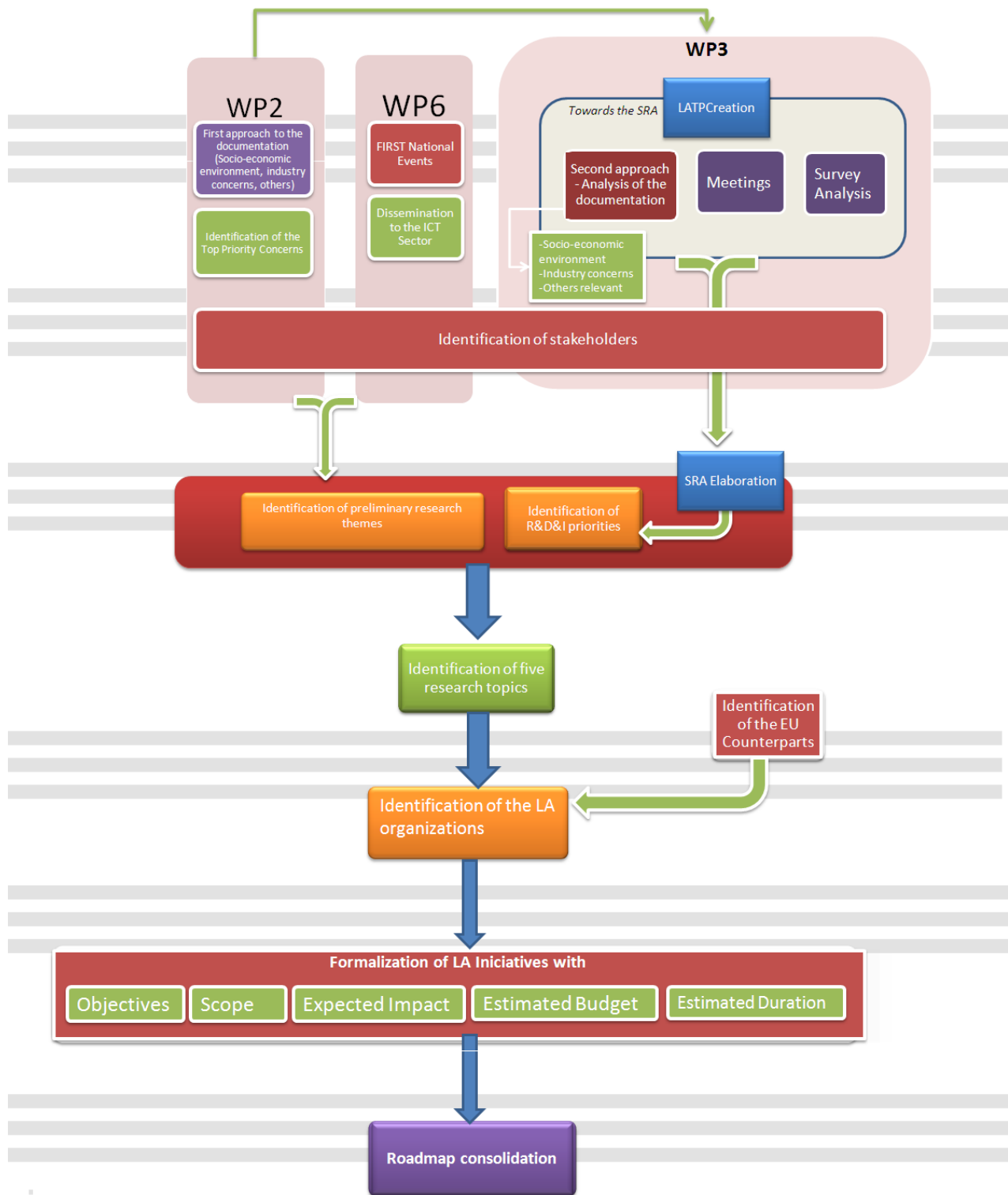


Figure 1. FIRST overall methodology for the preliminary road-mapping

FIRST is following a similar highly professional road-mapping process inspired on the ones carried out by the European Technology Platforms, particularly from those used to build the European strategic research agenda and future research priorities of ETPs. The working principles for ETPs documents (vision, strategic research agenda, position papers, etc.) have been assumed by FIRST

and the LATPs, thus basing the work on **open procedures and transparency** in the process (Open workshops and events to discuss research priorities, direct interviews with the more relevant stakeholders in the country, etc.).

2.1 FIRST Methodology and stepping

The following steps are a proposal to be followed by the FIRST partners in order to meet the overall research roadmaps for EU-Colombia, EU-Argentina, EU-Brazil, EU-Chile, EU-Colombia and EU-Mexico. However, due to the participation of different entities in each LATP, it was encouraged that each LATP adapted the methodology to its country.

The following is a description of the activities in order to create a roadmap of the LATPs. It is important to highlight that these activities have been done during the life-cycle of the project.

F- Identification of stakeholders. In order to ensure a sufficient validity of the representativeness of the results obtained regarding priorities and expressions of interest, it is required that the main players in the arena of Research in the Future Internet fields are properly identified. Therefore, there will be a need of identifying the main stakeholders groups and ensure a balanced representation. Among others, the following representatives to be included in the road-mapping process are: Academic and research institutions (Universities, educational centres, R&D&I Centres, Application Developers, Associations of the ICT industry, broadcasting organizations, Chambers of Commerce, Networks and communications providers, Operators, Commercial Technology Providers, Content providers, Equipment suppliers, Industrial users, Integrators, Service providers, Solution providers, R&D&I Funding Agencies and Public Institutions (Ministries), among others.

This activity has been developed since the beginning of the project: In WP2 through the identification of potential entities; in WP6, through the development of open events and open calls to the ICT industry; and WP3, through the identification of stakeholder to join the LATPs.

F- Analysis of relevant existing documents: The starting point of FIRST is based on the most relevant ETP documents (ETP SRA and ETP-Future research directions when available) that define the strategy and priorities for Europe in the field of Future Internet and ICT Components. Other important documents such as the R&D programme of the Latin American countries, the Work Program of the FP7 and national policies have to be also considered in this step. This process allows the compilation of all relevant inputs regarding research topics, politics and studies performed. This approach helps to have the most reliable picture of countries reality and thus helping narrowing down and shaping the priorities, it is important to have a well justified **Socio-economic environment**, it is important to take into account previous studies available done by reliable sources, as well as knowledge on Industry concerns (i.e.: Studies performed by the Government or studies performed by the Latin-American partners or other EU-

funded projects, among others). It also helps in the aligning of the priorities with each of the countries' needs.

The analysis of relevant existing documents is a constant activity undertaken by the FIRST partners and the members of each LATP through the life-cycle of the project. In WP2 a first approach to the documentation was performed. A Second approach to the documentation was performed in WP3 for the creation of LATP SRAs.

F- Identification of the top priority concerns and R&D&I priorities: Each LATP identifies the top priority concerns in Future Internet. This activity has been the first analysis developed in WP2, where each of the FIRST partners identified the Future Internet topics in which each LATP would be created. In WP3 mainly three sources of information (gathering of information) should be taken into account to road-mapping at each country. All these sources are summarized as follows:

F- Events (conferences, workshops, specialized meetings): Open events with the main objective of maximizing the involvement of R&D actors from the several stakeholders' profiles. During these events, FIRST partners should explain the process and encourage stakeholders to respond to the questionnaires and eventually hold interviews for better understanding of their views and opinions. When possible, questionnaires should be collected directly at the end of the events.

F- Meetings: With well identified stakeholders and R&D agencies in the country. Well identified stakeholders mean entities that are known because they carry out research activities and projects in the future internet and ICT Components fields.

F- Surveys: Mainly targeting the mapping of interests for each main component of the road-mapping.

In WP6, FIRST partners have developed four national events in each of the Latin American countries of the project as a tool to disseminate to the ICT sector important matters regarding the FIRST project and more specifically the road mapping process.

In WP3, meetings and surveys were developed in order to identify top priorities concerns. The main output of WP3 is the Strategic Research Agenda. SRA: Each country now has every priority concerning its needs well defined, and thus it is possible to initiate the process of getting in touch with research topics.

F- Consolidation of the roadmap: Each country must identify at least five research topics. Each research topic should include at least the following items:

F- Objectives

F- Scope

F- Expected Impact

F- Estimated Budget

F- Estimated Duration.

F- Latin American Organization

F- European Organization

F- **Identification of EU counterparts:** It is important to remark the importance of EU Partners in the identification of their entities taking into account the advances done so far, and how the EU entities will team up with LA entities.

F- **Identification of LA organizations:** By now it is important to identify the entities with feasible initiatives, the more aligned with the platforms' needs and with the EU concerns.

As a result of all activities carried out in the country, a final list of research topics priorities, duration, stakeholders for the country will be developed.

Although FIRST partners have the mandate to develop the above activities not relying only on voluntary contributions from stakeholders, the overall methodology foresees the inclusion of all those research stakeholders willing to take part in the road-mapping process. There will not be any stopping to any voluntary organization or researcher willing to contribute.

Note: It is important to notice that if any sort of advance has been performed in any country, this advance is still valid for this methodology.

2.2 Specific aspects to consider in the stepping process towards Road-mapping

The following sections remind a number of good practices actions which facilitate the overall methodology and create to enhance the validity and better perception of the road-mapping process. These are a minimum set of key practices, but do not pretend to be an exclusive list. Other good practices directly related to the experiences of the partners and the social behavior of the local stakeholders, aiming at high quality of work and readiness to cooperate with FIRST may be added by the partners in the stepping process of road-mapping.

2.2.1 List of stakeholders

A list of stakeholders identified for inviting to attend events or inviting to fill in questionnaires will be maintained by each partner

Argentina

Entity	Name of Expert	Industry, Academy, Government or Other?	Filled Survey for SRA?	Member of the local LAMP
AADS	Lascorz, Jorge	Other	No	Yes
Administración Nacional de Seguridad Social - ANSES	Rouget, Sandra	Research Centre	Yes	Yes
Allegro Microsystems	Monreal, Gerardo	SME	No	Yes
Biociencia S.A.	Martín Irigoyen	SME	Yes	Yes
BIZ DRAGON	Colombo, Flavio	SME	No	Yes
CAMAC	Campos, Luis	SME	No	Yes
CEIL	Barragán, Gustavo	Other	No	Yes
Centro de Investigación en Tecnología Informática (CAETI) and Universidad Abierta Interamericana	Balich, Nestor	Research Centre	No	Yes
Centro de Investigaciones Ópticas (CONICET La Plata-CIC) CIOP	Trivi, Marcelo	Research Centre	No	Yes
CESSI	Luchessi, Vanessa	Other	No	Yes
Cibermapa	Menke, Damian	SME	No	Yes
CICOMRA	Ballarino, Alfredo /	Other	No	Yes
CIDNOA	Jara, Andres	SME	No	Yes
Coasin	Reyes, Hector	Large company	No	Yes
Comisión Nacional de Actividades Espaciales - CONAE	Iliana Di Giovan	Research Centre	No	Yes
Comisión Nacional de Energía Atómica - CNEA	Corral, Fernando	Research Centre	No	Yes
Comisión Nacional de Energía Atómica - CNEA	Orden, Cristina	Research Centre	Yes	Yes
Comisión Nacional de Energía Atómica – CNEA, Área de Nanomateriales	Soler, Galo/ Ricci, María Luz	Research Centre	Yes	Yes
Comisión Nacional de Energía Atómica – CNEA, Área de Spintrónica	Steren, Laura	Research Centre	Yes	Yes
Consultor	Espósito, Enrique	Other	No	Yes
Consultor Independiente	Valle, Luis	University	No	Yes
Dirección General de Educación de Gestión Privada - Ciudad de Buenos Aires	Cristina Gloria Cantet	Other	No	Yes
Duje y Asociados	Daniel Duje	SME	No	Yes

Economista, desarrollador e implantador del Sistema de optimización Strat Pro	Dudiuk, Pedro	Other	No	Yes
Epidata	Anacleto, Valerio Adrián	SME	Yes	Yes
Fibromarket Argentina	Moreno, Jorge	SME	No	Yes
Fundacion Argentina de Nanotecnologia	Lupi, Daniel	Government	No	Yes
G&L	Doval, Rolando	SME	Yes	Yes
G&L	Louzao, Jose Maria	SME	Yes	Yes
Gobierno Ciudad Buenos Aires	Darini, Pablo	Other	No	Yes
Gobierno Ciudad Buenos Aires	Lagamba, Carmen	Government	No	Yes
Gobierno de La Pampa - Comisión del Gobierno Electrónico del COFEFUP	Dante Adalberto Moreno	University	No	Yes
Grupo Tekné	Renzetti, Gerardo	SME	No	Yes
Instituto de Investigación en Tecnología Informática Avanzada - Intia	Acosta, Nelson	Research Centre	No	Yes
Instituto Latinoamericano de Comercio Electrónico (ILCE)	Virginia López	Research Centre	No	Yes
Instituto Nacional de Tecnología Industrial - INTI, Centro de Electrónica e Informática	Jalón, Osvaldo	University	Yes	Yes
Instituto Nacional de Tecnología Industrial – INTI, Departamento de Informatica	Anibal Foti	Research Centre	Yes	Yes
Instituto Nacional de Tecnología Industrial (INTA)	Bellati, Javier	Research Centre	No	Yes
Instituto Nacional de Tecnología Industrial (INTI) - Centro de Electrónica e Informática Unidad Técnica Micro y NanoSistemas	Lozano, Alex	Research Centre	Yes	Yes
Instituto Nacional de Tecnología Industrial (INTI) - Division Sistemas	Ezpeleta , Margarita	Research Centre	Yes	Yes
INTA	Marcelo Bosch	Government	No	Yes
INVAP	Sagarzazu, Ricardo	Large company	No	Yes
ISISTEMASNET	Castaño, Alberto	SME	No	Yes
ITS	Russomanno, Daniel	Other	No	Yes
ITS Argentina	La Gamba, Carmen	Other	No	Yes
ItSitio	Manzanedo, Carlos	SME	No	Yes
KOC	Fingeret, Daniel	SME	No	Yes
Laboratorio de Investigacion y Formacion de Informatica Avanzada (LIFIA)	Baum, Gabriel	Research Centre	Yes	Yes

Laboratorio de Investigacion y Formacion de Informatica Avanzada (LIFIA)	Torres, Diego	Research Centre	Yes	Yes
Levin Global:IT	Aguilera, Mario Roberto	SME	Yes	Yes
Municipalidad de Malvinas Argentinas	Vero Anzoátegui	Government	No	Yes
NanoTec Latina	Beibe, Pablo	SME	No	Yes
Nokia	Cordoba, Paula	Large company	No	Yes
Nuevo Banco de Santa Fe S.A.	Cribb, Roberto	SME	No	Yes
Open Sol	Zarate, Carlos	SME	Yes	Yes
ORT, Escuela Técnica ORT Sede Belgrano	Mischener, Dario	University	Yes	Yes
Phisycs Education	Concari, Sonia	University		Yes
Polo IT Buenos Aires	Lissi, Ernesto	Other	Yes	Yes
Polo IT Buenos Aires	Maneffa, Alejandro	Other	Yes	Yes
Pragma Consultores	Juan V. Echagüe	SME	Yes	Yes
Pronectis	Roberto Sánchez	SME	Yes	Yes
Secretaría de Gestión Pública de la República Argentina	Thill, Eduardo	Government	No	Yes
Snoop Consulting SRL	Fernando Das Neves	SME	Yes	Yes
SOLS	Cassino, Jorge	SME	No	Yes
Telecom	Sabio, Raul	Large company	No	Yes
TELEFE	Salemi, Mariana	Large company	No	Yes
Telefónica	Juan Carlos Grisolia	Large company	Yes	Yes
TESIS OYS	Ugarte, Lisa	SME	No	Yes
Thinknet	Gustavo Giorgetti	SME	Yes	Yes
UIA	Caparroz, Germán	Other	No	Yes
Universiad de la Punta	Bañuelos, Alicia	University	No	Yes
Universidad de Buenos Aires	Paz, Juan Pablo	University	No	Yes
Universidad de Jujuy, Departamento de Ingenieria Informatica	Lombardo, Daniel	University	No	Yes
Universidad de Luján	Arenas, Ma Fernanda	University	Yes	Yes
Universidad de Palermo	Di Tada, Esteban / Valle, Luis	University	No	Yes
Universidad de Palermo	López de Luise, Daniela	University	Yes	Yes
Universidad Isalud	Spadafora, Santiago	University	Yes	Yes
Universidad Nacional de Córdoba	Carbonio, Raul	University	No	Yes
Universidad Nacional de Jujuy	Griot, Jorge	University	No	Yes
Universidad Nacional de La Matanza	Dmitruk, Andres	University	No	Yes
Universidad Nacional de La Matanza, Dep. de Ingeniería e Investigaciones Tecnológicas	Spositto, Osvaldo	University	No	Yes

Universidad Nacional de La Plata - CESPI	Diaz, Javier	University	No	Yes
Universidad Nacional de La Plata (UNLP)	Natalia Dominguez	University	No	Yes
Universidad Nacional de Río Cuarto	Fernando Fungo	University	Yes	Yes
Universidad Nacional de San Juan, Facultad de Ingeniería	Patiño Daniel	University	No	Yes
Universidad Nacional del Sur	Delrieux, Claudio	University	Yes	Yes
Universidad Nacional del Sur	Julian, Pedro	University	Yes	Yes
Universidad Nacional del Sur - Departamento de Ingeniería Eléctrica y de Computadoras	Orozco, Javier	University	Yes	Yes
Universidad Tecnológica Nacional	Cukierman, Uriel	University	Yes	Yes
Universidad Tecnológica Nacional	Carlos María Chezzi	University	No	Yes
Universidad Tecnológica Nacional, Facultad Regional Buenos Aires	Brie, Sebastian	University	Yes	Yes
UNJU - Universidad de Jujuy	Acchura Caguara, Constancio Lino	University		Yes
UNLA	Ruben N. Hawryluk	University	No	Yes
UNLpam and Ministerio Educación de La Pampa	Elizalde, Valeria Marina	University	No	Yes
UNTREF-Universidad Nacional de Tres de Febrero	González Selmi, Beatriz	University	No	Yes
VATES	Schmira, Diego	Large company	No	Yes
Xinapsys	Virgilio Jara	SME	No	Yes

Brazil

Entity	Name of Expert	Industry, Academy, Government or Other?	Filled Survey for SRA?	Member of the local LATP
USP	Akio Sakurai	Academy	Yes	Yes
USP	Andre Hirakawa	Academy	Yes	Yes
USP	Moacyr Martucci Junior	Academy	Yes	Yes
USP	Thiago Bosco	Academy	Yes	Yes
UNIP	Arthur Battaglia	Academy	No	Yes
SERPRO	Alisson Wilder Andrade	Government	No	Yes
MCT	Antenor Correa	Government	No	Yes
Universidade do Estados do Amazonas	Antenor Ferreira	Academy	Yes	Yes

Entity	Name of Expert	Industry, Academy, Government or Other?	Filled Survey for SRA?	Member of the local LATP
Private Enterprise	Edson Roberto de Pieri	Enterprise	No	Yes
SOFTEX	Eduardo Eohayan	Enterprise	No	Yes
FGV	Joana Varon Ferraz	Academy	Yes	Yes
SOFTTEX	John Lemos Forman	Enterprise	No	Yes
SERPRO	José Benjamin Carvalho de Santana Borges	Government	No	Yes
Private Enterprise	José Gonçalves	Enterprise	No	Yes
MCT	Paulo Egler	Government	No	Yes
UNB	Priscila América Solis M. Barreto	Academy	No	Yes
ECA	Tatiana Tosi	Academy	Yes	Yes
Private Enterprise	Viviane	Enterprise	No	Yes
ASSESPRO	Roberto Mayer	Association	Yes	Yes
ASSESSPRO-SP	Marcos Sakamoto	Association	Yes	Yes
Private Enterprise	Alexandre Pulpo	Enterprise	Yes	Yes
ATECH	Antonio Pedro Timoscczuk	Enterprise	No	Yes
CTPS	Marcia Ito	Government	No	Yes
GS1	Roberto Matsubayashi	Enterprise	No	Yes
IPT	Alessandro Santiago dos Santos	Government	Yes	Yes
Private Enterprise	Walter Ribeiro da Sliva	Enterprise	No	Yes
SUCESU	José Jairo Martins	Association	No	Yes
SUCESU	João Neves	Enterprise	Yes	Yes
SME	Caio fontana	Enterprise	Yes	No
Prius	Vidal Melo	Enterprise	Yes	No

Chile

Entity	Name of Expert	Industry, Academy, Government or Other?	Filled Survey for SRA?	Member of the local LATP
ACTI Asociation , Area de I+D	Rivas, Marcos	Other	No	Yes
ACTI Asociation, Gerencia General	Roman, Marcelo	Other	No	Yes
Addere	Gerardo Rivas Perlwitz	SME	Yes	Yes
Agencia Espacial Chilena	Miglioranza, Eliana	Other	No	Yes
AIE	Bergozza, Flavio	Other	No	Yes
AIE	Gerardo Rivas Perlwitz	SME	No	Yes

Centro Avanzado de Tecnología para la Minería, Universidad de Chile	Ruiz-del-Solar, Javier	Research Centre	No	Yes
Colegio de Ingenieros	Diaz Puentes/ Barreras	Other	No	Yes
CONICYT	Bustos, Beatriz	Other	No	Yes
Digimapas	Lothar Markus Rombach	SME	No	Yes
Estrategia Digital, Ministerio de Economía	Urbina, Daniel / Monteverde, Pablo	Other	No	Yes
EuroChile	RomAN, Beatriz	Other	Yes	Yes
EXEC	Rivera Bogdanic, Paulina	SME	No	Yes
Exelcys	Montenegro, Rodrigo /Razón Rodrigo	SME	No	Yes
GECHS	Stein, Luis	Other	Yes	Yes
Geoxite LTDA	Araya, Etienne	SME	No	Yes
Grupo BMP	Seguel, Ricardo	Other	No	Yes
Imaginex SA	Gonzalez, Raul/ Montero, Gustavo	SME	No	Yes
INAP	Maggi, Claudio	Other	No	Yes
Ingeflow	Gagarin Sepúlveda León / Antonio Manzur	SME	Yes	Yes
InnovaCorfo	Nazal, Juan	Other	No	Yes
Instituto Milenio	Parada, Victor	University	No	Yes
KI Teknology	Brant, Sebastian	SME	No	Yes
KyS Ltda	Tromo Rivas, Domingo	SME	No	Yes
LEBOX	Uribarri, Mauricio	SME	No	Yes
MICOMO	Gurovich, Andres	SME	No	Yes
MKD Embedded	Orellana, Juan Carlos	SME	Yes	Yes
Nectia Chile	Amestica, Esteban	SME	No	Yes
NIC Chile	Piquer, Jo/ Carlos Collao	Research Centre	Yes	Yes
Novared	Ayala, Jorge	SME	No	Yes
Pontificia Universidad Católica, Red Laccir and ICT NCP	Casas, Ignacio	University	No	Yes
Pontificia Universidad Católica, Departamento de Ciencias de la Computacion	Arenas, Marcelo	University	No	Yes
Pontificia Universidad Católica, Escuela de Inmgenieria Informatica	Alfaro, Rodrigo	University	No	Yes
PROMOMADRID	Vela, Javier	Other	No	Yes
ProteinLab UTEM	Torres, Héctor	Research Centre	Yes	Yes
Proyecto Digital S.A	Núñez, Alejandro	SME	No	Yes
REUNA	Lopez, Paulina	Other	No	Yes
SOLVIT	Daniel Hormazabal Ocampo	SME	Yes	Yes

Superintendencia de Servicios Sanitarios	Litschka, Cristian	Other	No	Yes
SWITCH COMUNICACIONES LTDA	Ramirez Luque, Eliana	Large company	No	Yes
Tecno Link	Soto, Patricio	SME	No	Yes
Teleduc - Centro de Educacion a la distancia	Warner, Richard	SME	No	Yes
Telefonica Chile	Martinez Aguilar, Juan Carlos	Large company	No	Yes
Universidad Católica del Norte	Vega Zepeda, Vianca	University	Yes	Yes
Universidad de Concepción	Atkinson Abutridy , John	University	Yes	Yes
Universidad de Concepción - English Online Program	Bañados Santanta, Emerita	University	Yes	Yes
Universidad de Playa Ancha	Bruno, Mario Andrés	University		Yes
Universidad de Santiago de Chile, Departamento de Gestión Tecnológica	Sepulveda, Pablo	University	Yes	Yes
Universidad de Santiago de Chile, Departamento de Ingeniería Informática	Acuña, Gonzalo	University	Yes	Yes
Universidad de Valparaiso	Escobar, Marcela	University		Yes
UTEM	Latorre Astudillo, Homero	University	Yes	Yes
UTEM	Correa Alfaro, Luis	University	Yes	Yes
Virtual 21	Stein, Luis	SME	No	Yes
Woodtech	Paccot, Christian	SME	No	Yes

Colombia

NAME	ORGANIZATION	Stakeholders group	Filled survey for SRA?	Member of the local LATP?
RICARDO SÁNCHEZ HENAO	ACAC	INDUSTRY	NO	NO
JORGE CAMARGO	AVANTEL S.A	INDUSTRY	YES	YES
MAURICIO ALEJANDRO NAVARRETE QUINTANA	BISMARCK COLOMBIA S.A.	INDUSTRY	NO	NO
LINLEY MOSCOTE	CESAR DIGITAL	GOVERNMENT	NO	NO
ANA MARÍA TRIMMIÑO	CINTEL	OTHER	NO	NO

NAME	ORGANIZATION	Stakeholders group	Filled survey for SRA?	Member of the local LATP?
DENNIS GARCÍA	CINTEL	OTHER	NO	NO
FERNANDO ALARCON	CINTEL	OTHER	NO	NO
MARIO CASTAÑO	CINTEL	OTHER	NO	NO
MAURICIO MONTENEGRO	CINTEL	OTHER	NO	NO
YENNY GARCÍA	CINTEL	OTHER	NO	NO
OSWALDO CASTILLO	COLCIENCIAS	GOVERNMENT	NO	NO
SARA ISABEL ARAUJO	COLCIENCIAS	GOVERNMENT	NO	NO
ANA MARIA PAEZ MANTILLA	COMCEL	INDUSTRY	NO	NO
CARLOS OLAYA	COMCEL	INDUSTRY	NO	NO
CARLOS ROBAYO	COMCEL	INDUSTRY	NO	NO
RODRIGO RAMIREZ	COMCEL	INDUSTRY	NO	NO
ELKIN ECHEVERRI	COMPUREDES S.A.	INDUSTRY	NO	NO
JUAN CARLOS MARTINEZ SÁNCHEZ	CONSEJOCOLOMBIANO DE SEGURIDAD	INDUSTRY	NO	NO
ALEJANDRO PÉREZ MOLINA	CREAR MEDIA COLOMBIA	INDUSTRY	YES	YES
ENRIQUE ESTUPIÑAN ESCALANTE	ESCUELACOLOMBIANA DE INGENIERÍA	ACADEMIA	NO	YES
JULY ANDREA SANDOVAL	ETB	INDUSTRY	NO	NO
ALEJANDRA MALAGÓN	FEDESOF	INDUSTRY	NO	YES
LUIS CARLOS VARGAS	FES - SAN JOSE	ACADEMIA	NO	NO
ALFONSO PÉREZ GAMA	FUNDACIÓN EDUCACIÓN	ACADEMIA	NO	NO

NAME	ORGANIZATION	Stakeholders group	Filled survey for SRA?	Member of the local LATP?
	SUPERIOR SAN JOSÉ			
EDNA CONSUELO CERÓN	FUNDACIÓNPAIS DEL CONOCIMIENTO	INDUSTRY	NO	NO
FRANCISCO JAVIER ROLDÁN	FUNDACIÓNPAIS DEL CONOCIMIENTO	INDUSTRY	NO	NO
ANA MARÍA LOPERA	GOBERNACIÓN TOLIMA	GOVERNMENT	NO	NO
ALEXANDER VÁSQUEZ	GREENCODE	INDUSTRY	NO	NO
ALEJANDRO GUZMÁN	INTERNEXA	INDUSTRY	NO	YES
JULIO ADOLFO CALAD	INTERNEXA S.A.	INDUSTRY	NO	YES
JESÚSGARCÍA	IS&C LTDA	INDUSTRY	NO	NO
MARÍA BEATRIZ CASTILLA	MEDIOS Y SOLUCIONES	INDUSTRY	NO	YES
JOSE JAIME GOMEZ	MEDIOS Y SOLUCIONES H.G., MULTIMEDIA SERVICE	INDUSTRY	YES	YES
MARGARITA DÍAZ	MINISTRY OF ICT	GOVERNMENT	NO	NO
MARIA PATRICIA ASMAR AMADOR	MINISTRY OF ICT	GOVERNMENT	NO	NO
OSCAR MAURICIO MANTILLA	MINISTRY OF ICT	GOVERNMENT	NO	NO
YECID RODRIGUEZ	NATIONAL PLANNING DEPARTMENT	GOVERNMENT	NO	NO
EDWIN JAVIER RAMIREZ ROLDÁN	NATIONAL PLANNING DEPARTMENT	GOVERNMENT	NO	NO
LEONARDO BUITRAGO	NATIONAL PLANNING DEPARTMENT	GOVERNMENT	NO	NO
ALFREDO JOSE ROLDANPIEDRAHÍTA	PARQUESOFT	Other	YES	YES
ALFREDO ROLDÁN	PARQUESOFT	OTHER*	NO	YES

NAME	ORGANIZATION	Stakeholders group	Filled survey for SRA?	Member of the local LATP?
CLEMENCIA CAMACHO DELGADO	POLITÉCNICOGRANCOLOMBIANO	ACADEMIA	NO	NO
JAVIER ALONSO ARANGO	POLITÉCNICOGRANCOLOMBIANO	ACADEMIA	NO	NO
WIDMANVALBUENA	POLITÉCNICOGRANCOLOMBIANO	ACADEMIA	NO	NO
JORGE LUIS SÁNCHEZ	PONTIFICIA UNIVERSIDAD JAVERIANA	ACADEMIA	NO	YES
CARLOS ALBERTO PARRA RODRÍGUEZ	PONTIFICIA UNIVERSIDAD JAVERIANA	ACADEMIA	NO	YES
MARTHA ZEQUERA	PONTIFICIA UNIVERSIDAD JAVERIANA	ACADEMIA	NO	YES
PEDRO VISCAYA	PONTIFICIA UNIVERSIDAD JAVERIANA	ACADEMIA	NO	YES
PAULA JIMENEZ CARO	REGULATEL	INDUSTRY	NO	NO
CAMILO JAIMES OCAZIÓN	RENATA	ACADEMIA	NO	YES
MARTHA INÉS GIRALDO	RENATA	ACADEMIA	NO	YES
ROCÍOBIBIANAMONROY	REVISTAGERENTE	INDUSTRY	NO	NO
JAVIER LÓPEZ	ROSE VISION	OTHER	NO	NO
JULIAN SESEÑA	ROSE VISION	INDUSTRY	NO	NO
JORGE ARIAS	SISTEMASSATELITALES	INDUSTRY	NO	NO
CELIA C.	SOUL - COACHING	INDUSTRY	NO	NO
MADEC GERARD	TELECOM BRETAGNE	ACADEMIA	NO	NO
EDWIN ANDRÉS CASALLAS	TELEFÓNICA COLOMBIA	INDUSTRY	YES	YES
BIBIANASÁENZ	TELEFÓNICA TELECOM	INDUSTRY	NO	YES
ISABEL MARTINEZ	TELEFÓNICA TELECOM	INDUSTRY	NO	YES

NAME	ORGANIZATION	Stakeholders group	Filled survey for SRA?	Member of the local LATP?
MAURO BIANCHI	TESEO	INDUSTRY	NO	NO
ÁLVARO SANDOVAL	TV PRENSAS.A	INDUSTRY	NO	NO
JUAN MARQUEZ	UNE	INDUSTRY	NO	YES
MAURICIO MENDOZA	UNEEPM	INDUSTRY	YES	YES
FÀBER D. GIRALDO	UNIQUINDIO	ACADEMIA	NO	YES
ANDRÉS ORDOÑEZ	UNIVERSIDAD ANTONIO NARIÑO	ACADEMIA	NO	NO
CARLOS ARROYAVE	UNIVERSIDAD ANTONIO NARIÑO	ACADEMIA	NO	NO
ALEXANDER GARCIA DÁVALOS	UNIVERSIDAD AUTÓNOMA DE OCCIDENTE	ACADEMIA	NO	NO
CARLOS ALBERTO PALAEZ	UNIVERSIDAD AUTÓNOMA DE OCCIDENTE	ACADEMIA	NO	NO
EDWIN DURAN	UNIVERSIDAD CATÓLICA	ACADEMIA	NO	NO
HAROLD CASTRO	UNIVERSIDAD DE LOS ANDES	ACADEMIA	ES	YES
HUGO HERLEY MALAVER	UNIVERSIDAD DE SAN BUENAVENTURA	ACADEMIA	YES	YES
OLGA ROA	UNIVERSIDAD DE SAN BUENAVENTURA	ACADEMIA	NO	YES
JAIRO LONDOÑO	UNIVERSIDAD DEL QUINDÍO	ACADEMIA	NO	YES
DIANA MARGARITA ARAQUE	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS	ACADEMIA	NO	YES
JAIRO VARGAS	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS	ACADEMIA	NO	YES
MARCO ALZATE	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS	ACADEMIA	NO	YES
MAURICIO MARTINEZ	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS	ACADEMIA	NO	YES

NAME	ORGANIZATION	Stakeholders group	Filled survey for SRA?	Member of the local LATP?
RUTH MOLINA VASQUEZ	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS	ACADEMIA	NO	YES
SERGIO BRICEÑO	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS	ACADEMIA	NO	YES
YEISSON CÁRDENAS PIÑEROS	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS	ACADEMIA	NO	YES
JOSE IGNACIO PALACIOS OSMA	UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS.	ACADEMIA	NO	YES
EDWIN MONTOYA	UNIVERSIDAD EAFIT	ACADEMIA	NO	YES
ÁNGELA RODRIGUEZ	UNIVERSIDAD EL BOSQUE	ACADEMIA	NO	YES
ANDRÉS NAVARRO	UNIVERSIDAD ICESI	ACADEMIA	NO	YES
GONZALO ULLOA	UNIVERSIDAD ICESI	ACADEMIA	NO	YES
JUAN VICENTE PRADILLA	UNIVERSIDAD ICESI	ACADEMIA	NO	YES
BEATRIZ ROLON	UNIVERSIDAD JORGE TADEO LOZANO	ACADEMIA	NO	NO
JOSÉ SAID BECERRA	UNIVERSIDAD MANUELA BELTRÁN	ACADEMIA	NO	YES
LILIANA GOMEZ MESA	UNIVERSIDAD MANUELA BELTRÁN	ACADEMIA	NO	YES
JUAN CARLOS HERNANBARRERO	UNIVERSIDAD NACIONAL	ACADEMIA	NO	NO
JAVIER ESLAVA	UNIVERSIDAD NACIONAL DE COLOMBIA	ACADEMIA	NO	NO
LEONARDO BAQUERO GARCIA	UNIVERSIDAD SANTO TOMAS	ACADEMIA	NO	YES
MARÍA GABY BOSHELL V.	UNIVERSIDAD SANTO TOMÁS	ACADEMIA	YES	YES
SERGIO ROJAS	UNIVERSIDAD SANTO TOMAS	ACADEMIA	YES	YES

NAME	ORGANIZATION	Stakeholders group	Filled survey for SRA?	Member of the local LATP?
TITO RAÚL VARGAS HERNÁNDEZ	UNIVERSIDAD SANTO TOMÁS BUCARAMANGA	ACADEMIA	YES	NO
JAIRO A. GUTIÉRREZ DIAGO	UNIVERSIDAD TECNOLÓGICA DE BOLÍVAR	ACADEMIA	YES	YES

Mexico

Entity	Name of Expert	Stakeholders Group	Filled Survey for SRA?	Member of the local LATP
LANIA - National Laboratory of Advanced Informatics	Aldo Díaz Prado	Academia	Yes	Yes
Economy Ministry	Aldo Ivan Sanchez	Government	Yes	Yes
AMS Media SA. De CV.	Alfonso Fernández Pozas	Industry	No	No
COECYTJAL - Research & Technology Council of the Federal State of Jalisco	Alfredo Figarola	Government	Yes	Yes
Grupo Scanda	Alfredo Sastre	Industry	No	Yes
Project Officer Cooperación Unión Europea - México CONACYT	Angel Cardenas Cravioto	Government	Yes	Yes
Adexso Advanced Expert Solution	Arturo Vega	Industry	Yes	Yes
Trivis S.A de C.V.	Bernardo Flores	Industry	No	No
Colef S.A. de C.V.	Blanca C. Garcia	Industry	No	Yes
Moviquity México	Carlos Holgado	Industry	Yes	Yes
CSOFMTY (Nuevo León Software Cluster)	Cecilia Carrillo	Government	Yes	Yes
ITESM - Monterrey Institute of Technology	Cuauhtemoc Duran	Academia	No	No
Investigación y Posgrado DMTI	David Muñoz	Academia	Yes	Yes
ITESM - Monterrey Institute of Technology	Dora Lucia Gonzalez Quintana	Academia	No	Yes

ITESM - Monterrey Intitute of Technology	Doyla Morales	Academia	No	Yes
Adexso Advanced Expert Solution	Estela Alvarado	Industry	Yes	Yes
ITESM - Monterrey Institute of Technology	Fernando Jaimes	Academia	Yes	Yes
DELTA TI	Gerardo Barbosa	Industry	No	Yes
TCA Software Solutions	Guillermo Arturo Alvarez	Industry	Yes	No
CSOFT	Guillermo Safa	Government	Yes	Yes
CSOFT	Gustavo Garcia	Government	Yes	Yes
Universidad Politécnica de Victoria	Hiram Herrera Rivas	Academia	No	Yes
Directora Regional CANIETI sede Noreste	Imelda Gonzalez	Industry	Yes	Yes
Oficina Economica y Comercial de España en Monterrey	Inigo Contreras Aranda	Government	Yes	Yes
National Contact Point /FORESTA	Isabel Kreiner	Industry	No	Yes
Delaware Software	Jaime Aleman	Industry	Yes	No
Cinvestav Tamaulipas	Javier Rubio Loyola	Academia	Yes	Yes
SCT - Ministry of Transport & Communication	Jorge Alonso Estrada	Government	Yes	Yes
Luciernaga Estudio	Jorge Hernandez Garza	Industry	No	No
Binbit	Jose Antonio Cano	Industry	Yes	Yes
Universidad Politecnica del Valle de Mexico	Juan Simon Isidro	Academia	No	No
ITESM / Saltillo	Lilia Teran del Angel	Academia	Yes	Yes
SOFTTEK	Luis Cuellar	Industry	Yes	Yes
IJALTI	Margarita Solis	Government	Yes	Yes
INTECH	Mario Davila Flores	Industry	No	Yes
Instituto de Innovacion y Transferencia de Tecnologia	Martha Leal	Government	Yes	Yes
Delta Tech	Merary Martínez	Industry	no	Yes
Clase Movil / Saltillo	Miguel Alejandro Rodriguez	Industry	Yes	No
Economy Ministry	Rogelio Flores de la Peña	Government	Yes	No
Vicepresidente de Tecnologías de la Información de CANIETI-Noreste	Miguel Tamez	Industry	Yes	Yes

Grupo Digital Media Technologies	Monica Herrejon	Industry	Yes	No
NIC de México	Oscar Robles	Industry	No	Yes
Sistemas Electronicos Internacionales	Pablo Cesar Perez Medina	Industry	Yes	Yes
ITESM - Monterrey Intitute of Technology	Paulina Medori	Academia	No	Yes
ITESM - Monterrey Intitute of Technology	Ramon Brena	Academia	Yes	Yes
Infologistica S.A. de C.V.	Roberto Fuerte	Industry	Yes	No
Multicomp SA de CV	Roberto Reyes	Industry	Yes	Yes
Neitek Corporation	Salvador Rosas Vega	Industry	No	No
Adexso Advanced Expert Solution	Tatiana Barrera	Industry	Yes	Yes
Grupo W / Albronsa	Vicente Berlanga Garcia	Industry	No	No
Cinvestav - IPN	Vicente Parra Vega	Academia	Yes	Yes
IJALTI - Institute for Information-Technologies of Jalisco	Leon David Pérez	Government	Yes	Yes
Cinvestav-IPN	Gregorio Toscano Pulido	Academia	No	Yes
Rohde & Schwarz Ltd	Elsa Torres	Industry	No	Yes
OIDH S.A. de C.V.	Sergio Torres	Industry	Yes	No
INTECH S.A. de C.V.	Selene Lugo	Industry	No	Yes
Sincrotec de México	Juan Jesus Jimenez Pacheco	Industry	No	Yes
Ene al Cubo	Claudio Montoya	Industry	Yes	No
Harmes S.A. de C.V.	Alfredo Moreno	Industry	Yes	No
Itloger S. A. de C. V. - Morelia	Luis Delgado Garcia Campa	Industry	No	Yes
INTECH S.A. de C.V.	Nazario Benavides Rubio	Industry	Yes	Yes
ARA TECNOLOGIK	Guillermo Arambula Marquez	Industry	Yes	Yes
Universidad Veracruzana	Antonio Marin Hernandez	Academia	Yes	Yes
Universidad Veracruzana	Oscar Viveros Cancino	Academia	Yes	Yes
Facultad Ciencias UNAM	Benjamin Macias	Academia	No	No
Colegio San Jose / Saltillo	Eugenio Salazar Flores	Academia	Yes	Yes
Universidad de Guadalajara	Susana Ruiz	Academia	Yes	Yes

ADEPSA CONSULTORES	Eduardo Torres	Lagos	Industry	Yes	No
ITESM SALTILLO	Marco Ramirez	Ivan Sosa	Academia	Yes	Yes
Neomitic Technologies	Erik Ortegón	Alvarez	Industry	No	Yes
Instituto Tecnológico de Pachuca	Raúl Abonce	Sánchez	Academia	Yes	Yes
Universidad Autónoma Metropolitana	Joaquín Leehan	Azpiroz	Academia	No	No
Universidad Autónoma Metropolitana	Miguel Méndez	Cadena	Academia	No	No
INAOE - Instituto Nacional de Astrofísica Óptica y Electrónica	Ponciano Escamilla	Jorge Ambrosio	Academia	Yes	Yes
INAOE - Instituto Nacional de Astrofísica Óptica y Electrónica	Manuel Cortez	Ramírez	Academia	Yes	Yes
Instituto Tecnológico de Pachuca	Carlos Palacio	Riva	Academia	Yes	Yes
Universidad Politécnica de Tulancingo	Luis Morales	Roberto Manilla	Academia	Yes	Yes
Universidad Tecnológica de Tulancingo	Oscar Lira	Uribe	Academia	Yes	No
Tecnologías de la Información y Comunicación Administradora CERTIPORT	Gloria Chávez	Zúñiga	Industry	Yes	No
Universidad de Guadalajara	Rafael Morales		Academia	Yes	Yes
IJALTI - Institute for Information-Technologies of Jalisco	Gerardo Rodríguez	Barba	Industry	Yes	Yes
Universidad Tecnológica de Tulancingo	Salvador Hernández	Mendoza	Academia	Yes	Yes
Tecnología de Información Movil S.A. de C.V.	Carlos Mata		Industry	Yes	Yes
Softdecisions S.A. de C.V.	Edgar Muñoz	Eduardo Olivares	Industry	No	Yes
Softdecisions S.A. de C.V.	Ariel García	Lucien	Industry	No	Yes
Harweb, Government Solutions México S.A. de C.V.	Adrián Preciat	Salcido	Industry	Yes	No
Harweb, Government Solutions México S.A. de C.V.	Raúl Esteve	Guerrero	Industry	Yes	No
Develop Talent and Technology Consulters	Ariel Rodriguez	Gonzalez	Industry	No	Yes

Develop Talent and Technology Consulters	Arnulfo Arellano Carrillo	Industry	No	Yes
Develop Talent and Technology Consulters	Carol Peralta Arévalo	Industry	No	Yes
MICROSISTEMAS SAP	Miguel Angel Sanchez Mendoza	Industry	Yes	No
GSC ASOCIADOS S.C.	Fernando Vazquez García	Industry	Yes	Yes
SIE Center (Software Industry Excellence Center)	Berta Valdez	Academia	Yes	Yes
Instituto de Tecnologías de Información ITESM GJA	Ing. Alfonso Alva	Academia	No	No
SICIPAED S.A. de C.V.	Tania Ivette López García	Industry	Yes	Yes
Grupo Telecomunicaciones CIO S.A. DE C.V.	Jorge Perafan Montaña	Industry	Yes	Yes
Wixnet S.A. de C.V.	Ing. Rogelio Gallegos	Industry	No	Yes
Moviquity S. A. de C.V.	Ing. Sandra Itzel Díaz Soto	Industry	Yes	Yes
Moviquity S. A. de C.V.	Lic. Azucena Vallin Magaña	Industry	Yes	Yes
SICIPAED Corporation	María Goretti Chavez	Industry	No	No
Open Solutions Information Technologies SA de CV	Alejandro Torres Unger	Industry	Yes	Yes
Consejo de la Industria de TI de Yucatán, AC (CITI Yucatán)	Claudia Romero Hidalgo	Industry	Yes	Yes
PLENUM SOFT S.A. de C.V.	Luis Alberto Muñoz	Industry	No	Yes
Neuromarketing S.A. de C.V.	Jaime Romano Micha	Industry	Yes	Yes
ICT Veracruz Cluster	Miguel Angel Gavidia Gonzalez	Industry	Yes	Yes
SICA (sistema de informatica y comunicación aplicados)	Luis Ortega Valdes	Industry	No	No
Universidad Tecnológica del Valle del Mezquital	Juan Pablo Cabrera Ángeles	Academia	No	Yes
Compañía de Automatización de Software	Rogel Coba	Industry	No	Yes
CONVERTI S.A. de C.V.	Hugo Rodríguez Astorga	Industry	No	No
Neuromarketing S.A. de C.V.	Cesar Monroy	Industry	Yes	Yes
Universidad del Estado de Hidalgo	Mizraim Martinez Sánchez	Academia	Yes	No
CSOFMTY (Nuevo León Software Cluster)	Guillermo Safa	Industry	Yes	Yes

ICT-Network-CONACYT	Cristina Loyo	Industry	Yes	Yes
CONACYT - Science and Technology National Council	Hector Samano	Government	Yes	Yes
SE - Ministry of Economy	Victor Hugo Estrada	Government	Yes	Yes
SCT - Ministry of Transport & Communication	Maria Eloisa Talavera	Government	Yes	Yes
Tecnologico de Monterrey (NCP-ICT-Mexico)	Neil Hernández Gress	Academia	Yes	Yes
CDTI - Regional Representative	German Casal	Government	Yes	Yes
COECYTJAL - Research & Technology Council of the Federal State of Jalisco	Francisco Medina	Government	Yes	Yes
I2T2 - Innovation-Institute of Nuevo León	Jaime Parada	Government	Yes	Yes
CANIETI - National Chamber for Telecommunications and IT	Jorge Buitron	Industry	Yes	Yes
IJALTI - Institute for Information-Technologies of Jalisco	Margarita Solis	Government	Yes	Yes
MIMEC – Mty Interactive Media	Francisco Juárez	Industry	Yes	Yes
AMITI – Mexican Association of the Information Technology Industry	Javier Allard	Industry	Yes	Yes
Inteqsoft – Software-Cluster of the Federal State of Queretaro	Cuauthemoc Acevedo	Industry	Yes	Yes
Soluciones Tecnológicas S.A. de C.V.	Eduardo Ramírez	Industry	Yes	Yes
DIMTEC Group S.A de C.V.	Mauricio Lozano	Industry	Yes	Yes
Wixnet S.A. de C.V.	Ing. Rogelio Gallegos	Industry	No	Yes

2.2.2 Balance demonstration of stakeholders profiles

The composition of the stakeholders in the process of FIRST should maintain a Balance between the entities from the Industry and entities from the Academia. Stakeholders included in the road-mapping process are: Academic and research institutions (Universities, educational centres, R&D&I Centres, Application Developers, Associations of the ICT industry, broadcasting organizations, Chambers of Commerce, Networks and communications providers, Operators, Commercial Technology Providers, Content providers, Equipment suppliers, Industrial users, Integrators, Service providers, Solution providers, R&D&I Funding Agencies and Public Institutions (Ministries), among others.

2.2.3 Relevant Contacts

A list of additional relevant contacts held will be maintained. Relevant contacts would mean research entities or policy makers, among them:

- Ministry or Agency managing National R&D programmes.
- A well known research centre currently conducting research activities in the Future Internet and ICT Components, or planning to conduct research activities in this domain.
- A large university with huge potential to focus research activities on the Future Internet field.
- A relevant user of the results of the technology research, like Internet service providers.
- The FP7 National Contact Point.

3 WORK PERFORMED

This chapter describes the process followed together with any relevant singularity to highlight.

Argentina

The main objective of “D3.3 Set of 5 countries Roadmap towards Future Internet Strategic Research Agendas implementation” is to promote the identification of research topics in which cooperation in the Future Internet field could be established between the European Union and Latin America. In order to achieve this goal, research project initiatives (related to the common research topics described in the Strategic Research Agenda) were identified within the members of the Argentine Technology Platforms (PLATA).

The project initiatives described in the current document reflect research ideas of PLATA members (see Chapter 4). With the objective of identifying and collecting this cooperation ideas, PLATA secretariat (ALETI) prepared a template to guide stakeholders to develop their project initiatives. Through this template the following information was collected from each project initiative related to Future Internet research topics:

Entity Profile:

Name
About the organization
Area of work of the organization / services / products
Business interests
Quantity of members
Website
Contact details

R&D Project Initiative

Description of the idea
Technology Area (NEM, NESSI, ARTEMIS, EPOSS, MOBILITY, other)
Research Topic
Objective
Scope (application areas)
Duration
Expected Impact
European counterpart needed (profile needed)
Estimated Investment Effort (M€)

There were several instances in which PLATA members and key stakeholders in the Future Internet field were invited to participate. The following actions were made in order to identify project initiatives. The call for contributions was mainly done through the e-mail, but skype and phone calls were also performed.

E-mail channel: ALETI sent over 350 e-mails and a message to Argentine ICT prospective group that is delivered to more than 200 experts.

CESSI sent the “Opportunities in R+D+I projects” news in its newsletter that arrives to more than 1000 stakeholders.

ALETI also called for project initiatives through Facebook and LinkedIn.

15 skype calls (especially for entities located outside from Buenos Aires) and telephone calls.

On August 12th, ALETI (PLATA Secretariat) sent the following communication¹ to ALETI’s Argentine database and to the members of the platform:

Implementación de la Agenda Estratégica de Investigación PLATA
(¿Usted puede participar?)

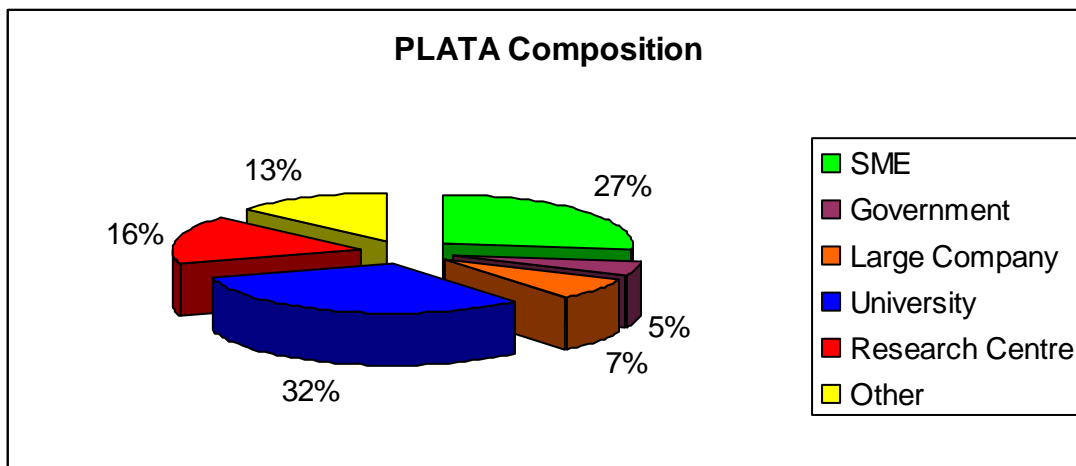


La comunidad argentina ya eligió prioridades comunes de investigación. El siguiente paso es buscar instancias concretas en las cuales pueda existir cooperación entre Argentina y la Unión Europea. Consecuentemente, en la implementación de la agenda estratégica de investigación se identificarán iniciativas de proyectos en las cuales pueda participar un socio argentino y uno europeo. Las iniciativas de proyecto estarán enmarcadas dentro de las áreas tecnológicas y topics de investigación identificados en la agenda estratégica de investigación. Las iniciativas se completarán en un Roadmap que será presentado en diversos eventos argentinos y europeos, entre ellos, FICP Forum y INECC Service Week, y al cual accederán los miembros de las plataformas tecnológicas europeas. También, serán presentados en la Asamblea General de PLATA que se realizará conjuntamente con el MFC y T4 de octubre en Buenos Aires. La misma contará con la presencia de representantes de la Comisión Europea. El formato para enviar las iniciativas de proyecto se encuentra disponible en la [web de PLATA](#) (iniciativa de proyectos template para implementar la Agenda Estratégica de Investigación). Pueden enviar sus ideas de proyecto hasta el 30 de agosto a Silvia Juliana SilviaJuliana@plata.org con copia a Luz Ledesma Clavel luz@plata.org. Pueden enviar sus ideas de proyecto hasta el 30 de agosto a Silvia Juliana SilviaJuliana@plata.org y Luz Ledesma Clavel luz@plata.org. Participar de PLATA es gratuito debido a que es financiado por el [proyecto FIRST](#) (Séptimo Programa Marco de la Comisión Europea).

The Argentine Technology Platform is composed by 98 members. There are 26 members from SMEs and 7 members from large companies. From the academic sector, there are 31 members from

¹ On line: <http://viewonline.fromdoppler.com/hrEg/dwssec/c/a/a>

universities and 16 members from research centres. Finally, there are 5 members from government, and 13 members of other type of entities such as industry chambers or independent consultants. In the following chart is showed membership distribution:



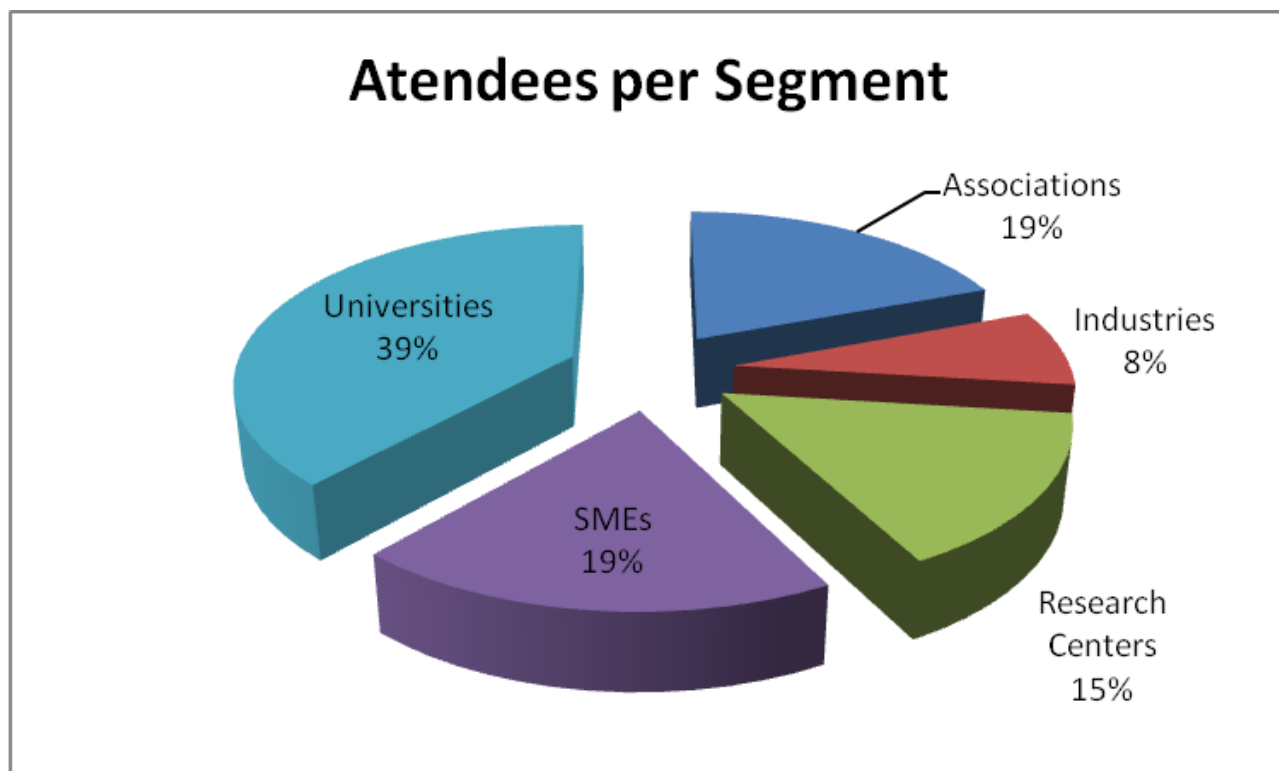
A follow up was made because of the level of complexity of the information required to describe the project idea. Skype calls and phone calls were made explaining the purpose of the current document and the benefits of participating in it (visibility among European Technology Platforms, the Future Internet European Community, 1st PLATA General Assembly and in Future Internet Assembly to be held in Poznan in October 2011, among other events). Furthermore, stakeholders and members of the platform were helped by ALETI secretariat to complete the information required in order to complete the template guide of the project initiative and describe it in an accurate way. Personal meetings were held, as well as skype calls and phone calls to clarify some issues such as scope, expected impact and estimated budget of the initiatives.

Brazil

The main objective of this deliverable is to promote the identification of research topics in Future Internet could be established between the European Union and Latin America. The project initiatives described in the current document reflect research ideas of BraFIP members (see Chapter 4) and ICT professionals. The information was collected at BraFIP general assembly; meeting with members and participation in conferences.

There were several meetings in which BraFIP members were invited to participate in order to identify new projects, also the participation on conferences and workshop. The call for contributions was mainly done through the e-mail, skype and phone calls.

The BraFIP group is composed of multithreaded entities, making this a legitimate group, because it represents the Brazilian society in all areas. The figure below identify the BraFIP group.



The BraFip group defined a Strategic Research Agenda (SRA) on July, 2011. The SRA identify research and technological priorities of common interest between the EU and Brazil at medium and long term.

The study was conducted based on the results obtained in the BraFip workgroups, in the event promoted by FORESTA project, documents published by entities: govern, agencies, associations, enterprises; and meetings with entities, such as MCT (Scientific and Technology Minister), CNPq (National Counsel of Technological and Scientific Development) and others.

The following consolidated roadmap is proposed for Brazil.

Cloud Computing: Middleware

Objectives

Development of a middleware that enables integration and interoperability between applications in the cloud network

Scope

The scope of works are:

- Standardization of connectors to integrate different applications
- Standardization in the messages exchanged between different applications
- Development of tools enabling the creation of connectors
- Mechanisms to manage the middleware

Expected Impact

The expected impacts are:

- Standardization to provide services on cloud computing
- Easy use of cloud computing
- increase in the use of cloud computing
- transparency in the use of cloud computing

Estimated Budget

Around 2.5 to 3 million of euros

Estimated Duration

18 months

Latin American Organization

- Telecom Italia Mobile (Brazil);
- USP;
- CIETEC.

European Organization

Telecom Italia Mobile (Italy)

Cloud Computing: Security and Privacy

Objectives

Development of mechanisms to provide security and privacy for mobile terminals on cloud network

Scope

The scope of works are:

- Standardization of security and privacy mechanisms;
- Testbed to evaluate security and privacy of services.

Expected Impact

The expected impacts are:

- Guarantee on security and privacy;
- Increase in the use of cloud computing;
- Transparency in the use of cloud computing;
- New services on cloud computing.

Estimated Budget

Around 4 to 4.5 million of euros

Estimated Duration

24 months

Latin American Organization

- Telecom Italia Mobile (Brazil);

- USP;
- CIETEC.

European Organization

Telecom Italia Mobile (Italy)

Cognitive Systems for social inclusion and accessibility

Objectives

Development of cognitive system for social inclusion and accessibility for poor communities.

Scope

The scope of works are:

- Development of tools to provide cognitive contents;
- Development of a cloud network to delivery cognitive contents;
- Testbed to evaluate cognitive contents.

Expected Impact

The expected impacts are:

- Inclusion of poor communities;
- Use of cognitive contents for social inclusion and accessibility;
- New services on cloud computing.

Estimated Budget

Around 2 to 2.5 million of euros

Estimated Duration

24 months

Latin American Organization

- MCT;
- ASSESPRO-SP

European Organization

Telecommunications Service Provider

Internet of Things

Objectives

Development of Internet of Thing to track & trace urban furniture, goods and vehicles on cities.

Scope

The scope of works are:

- Standardization of IoT devices;
- Standardization of security and privacy mechanisms;
- Development of middleware to provide IoT in smart cities;
- Track and trace of urban furniture, goods and vehicles.

Expected Impact

The expected impacts are:

- Standardization of security and privacy mechanisms;
- Increased safety;
- Improving public management;
- Improved quality of life in the city.

Estimated Budget

Around 4 to 4.5 million of euros

Estimated Duration

24 months

Latin American Organization

- Prefectures;
- USP;
- CIETEC

European Organization

Telecommunications Service Provider

Internet of Services

Objectives

Development of Internet of Services to provide an infrastructure for deployment of services for mobile devices.

Scope

The scope of works are:

- Standardization of IoS;
- Standardization of security and privacy mechanisms;
- Development of middleware to provide IoS for mobile devices.

Expected Impact

The expected impacts are:

- Standardization of security and privacy mechanisms;
- Improved of quality of services;
- Expanding services;

- Accessibility of services.

Estimated Budget

Around 2.5 to 3 million of euros

Estimated Duration

24 months

Latin American Organization

- ASSESPRO-SP;
- CIETEC

European Organization

Telecommunications Service Provider

Chile

The main objective of “D3.3 Set of 5 countries Roadmap towards Future Internet Strategic Research Agendas implementation” is to promote the identification of research topics in which cooperation in the Future Internet field could be established between the European Union and Latin America. In order to achieve this goal, research project initiatives (related to the common research topics described in the Strategic Research Agenda) were identified within the members of the Chilean Technology Platforms (MACHI).

The project initiatives described in the current document reflect research ideas of MACHI members (see Chapter 4). With the objective of identifying and collecting this cooperation ideas, PLATA secretariat (ALETI) prepared a template to guide stakeholders to develop their project initiatives. Through this template the following information was collected from each project initiative related to Future Internet research topics:

Entity Profile:

Name
About the organization
Area of work of the organization / services / products
Business interests
Quantity of members
Website
Contact details

R&D Project Initiative

Description of the idea
Technology Area (NEM, NESSI, Net!Works, other)
Research Topic
Objective
Scope (application areas)
Duration

Expected Impact
European counterpart needed (profile needed)
Estimated Investment Effort (M€)

There were several instances in which MACHI members and key stakeholders in the Future Internet field were invited to participate. The following actions were made in order to identify project initiatives. The call for contributions was mainly done through the email, but skype and phone calls were also performed.

E-mail channel: ALETI sent over 320 e-mails and a message through CONICYT and GECHS, one of the chambers of ICT..

ALETI also called for project initiatives through Facebook and LinkedIn.

18 skype and telephone calls.

On August 12th, ALETI (MACHI Secretariat) sent the following communication² to ALETI's Chilean distribution list and to the members of the platform:



First

(La comunidad chilena ya eligió prioridades comunes de investigación. El siguiente paso es [BUSCAR](#).
INICIATIVA CONCRETAR AN UNO CUALQUIERA puede avistar cooperación entre Chile y la Unión Europea. Esto conlleva a identificar iniciativas de proyectos en las cuales pueda participar un socio chileno y otro europeo.

Las iniciativas de proyecto estarán enmarcadas dentro de las áreas tecnológicas y tipos de investigación identificados en la [Agenda Estratégica de Investigación](#).
Todas las iniciativas se cumplirán en un Roadmap que será presentado en eventos chilenos y europeos, entre ellos: FII Polmar y [WISS Service Wave Polonia](#) y al cual accederán los miembros de las plataformas tecnológicas europeas.

Formulario para enviar sus iniciativas de proyecto se encuentra disponible en la [web](#) (Hoja de proyecto) template para implementar la [Agenda Estratégica de Investigación](#). Pueden enviar sus ideas de proyecto hasta el 30 de agosto a Silvia.Juliana@eleti.org con copia a Luz.Ledesma@eleti.org.

Participar en [ELECTA](#) es gratuito debido a que es financiada por el [proyecto FIRST](#), Séptimo Programa Marco de la Comisión Europea.

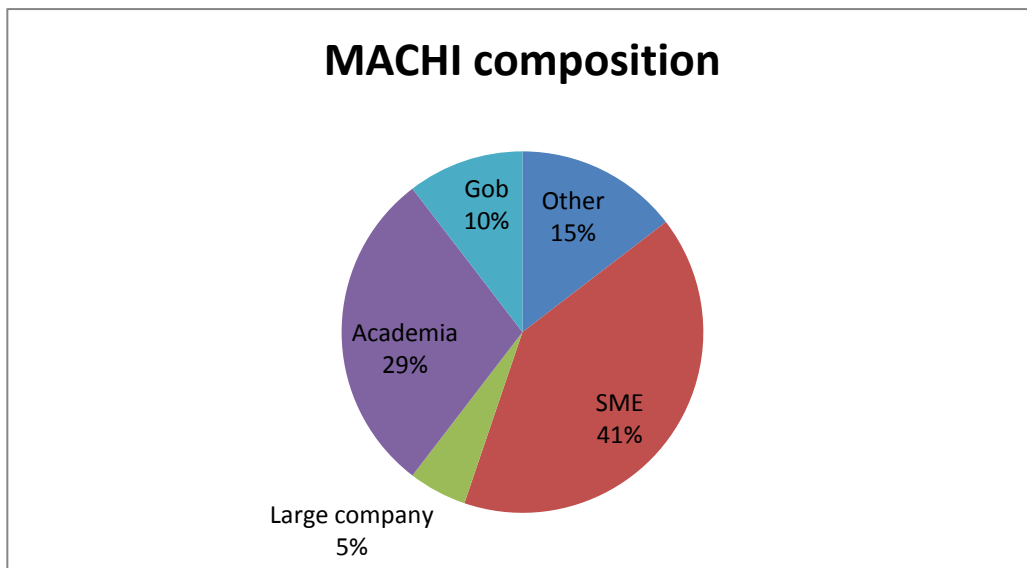
Para más informaciones comuníquese con ALETI:
Dra. Silvia Juliana silvia.juliana@eleti.org
Lic. Luz Ledesma Clavel luz@eleti.org



² On line: <http://viewonline.fromdoppler.com/hrEv/dwssec/c/a/a>

Especial attention was paid in encouraging and helping MACHI members. The Chilean Technology Platform is composed by 55 members. There are 21 members from SMEs and 3 members from large companies. From the academic sector, there are 31 members from universities and 3 members from research centres. Finally, there are 13 members of other type of entities such as industry chambers or independent consultants. In the following chart is showed membership distribution:

Especial attention was paid in encouraging and helping MACHI members. The Chilean Technology Platform increased its number for 55 members in March 2011 to 96³. Based on the quantity of organizations (96), there are 39 members from SMEs and 5 members from large companies. From the academic sector, there are 28 members from universities and research centres. Finally, there are 10 members of the government and 14 of other type of entities such as industry chambers or independent consultants. In the following chart is showed membership distribution:



A follow up was made to each project initiative because of the level of complexity of the information required to describe the project idea. Skype calls and phone calls were made explaining the purpose of the current document and the benefits of participating in it (visibility among European Technology Platforms, the Future Internet European Community, I MACHI General Assembly and in Future Internet Assembly to be held in Poznan in October 2011, among other events). Furthermore, stakeholders and members of the platform were helped by ALETI secretariat to complete the information required in order to complete the template guide of the project initiative and describe it in an accurate way. The major portion of the initiatives sent were in Spanish language, therefore, ALETI translated the ideas and validated the translations with the stakeholders. There were also held skype and phone calls to clarify some issues such as scope, expected impact and estimated budget of the initiatives.

³ In total, there are 125 persons of 96 organizations.

Colombia

The overall methodology for elaborating the roadmap is presented in RECIIF's document: "Towards the Implementation of the SRA: Roadmap of Initiatives on Future Internet". It includes a description of all the activities (events, surveys, elaboration of the SRA, identification of research topics and project initiatives) throughout the duration of the project FIRST that have helped to develop this document. The work performed follows the methodology provided by project FIRST, matching Latin American context and requirements; it was optimized to fully embrace previous advances of project FIRST and thus focus in the critical aspects that support the roadmap. In the following a description of the work performed focusing in the consolidation of the roadmap is described.

Consolidation of the roadmap

The consolidation of the roadmap focused essentially in the following aspects: call for Colombian R&D&I initiatives, creation of templates, guidance and shaping of the initiatives, identification of European partners and consolidation of the initiatives.

- **Call for initiatives**

Several entities were invited to participate in the road mapping process, that is, the process towards the implementation of the SRA. All these entities were members or RECIIF or became members to be able to participate. Constant promotion and dissemination actions were required to keep entities aware that RECIIF was interested on identifying R&D&I initiatives in line with its SRA. Call for initiatives has been public since the beginning of the project FIRST, as one of the main and most appealing activities for entities to participate in.

- **Creation of templates**

To consolidate the roadmap, a set of templates was produced for the identification of research initiatives and the elaboration of a description of the entity profile, based on the information required on Partner Search Engines such as CORDIS, Idealist and e-match and the profile questionnaire of the project PRO-IDEAL PLUS.

First versions of the templates were handed to the entities or persons interested in presenting an initiative; afterwards they would send them back to CINTEL in order to receive feedback. By performing this feedback, CINTEL realized several times that more or better information could be asked in the templates so that they were constantly updated and enhanced. At all times the aim of the templates was to shape the initiative in an appealing way while keeping it short and concrete (See Annexes 2 and 3).

There are 3 aspects addressed by the templates:

- **R&D&I Initiative:** A description of the unique characteristics of each initiative, implying its impact of researching Future internet topics. This template is aimed to draw an idea of

the critical aspects regarding the initiative. It contains enough information to know who presents the initiative, what problematic inspired the initiative and a brief overview that covers the triple constraint (schedule, budget and scope) as well as objectives and impact among others.

- **Entity Profile:** A brief overview of the entity presenting the initiative, its expertise and skills. This template is aimed to generate an opinion on how the entity could cope with the issues inherent to the presented initiative. Useful information on the team that leads the project, as well as their research backgrounds and previous results from others projects can be found on this template.
- **General profile of the sought partner:** A brief overview of the skills needed to successfully establish a partnership. Although the European partner depends on the initiative presented, most of the times, the entities already have an idea of who could potentially help. The information contained in this template helps in the process of identifying a possible partner.
- **Guidance and shaping of R&D&I initiatives**

All responding entities were taught in the 8th call of the FP7 and the pertinence of their initiatives according to the current or subsequent calls. They were also assisted by CINETEL in the shaping of initiatives via Skype, phone or live meetings, according to CINETEL's knowledge and experience in R&D&I projects.

In order to produce this roadmap, CINETEL worked along with Universidad de los Andes, Universidad de Caldas, Universidad del Cauca, Universidad Sergio Arboleda and SYTECNO, whose proposals are presented in Chapter **¡Error! No se encuentra el origen de la referencia..** Additionally, Innova IP and Universidad Santo Tomás interacted with CINETEL to ask for assistance. However, their initiatives are not yet exhaustively defined.

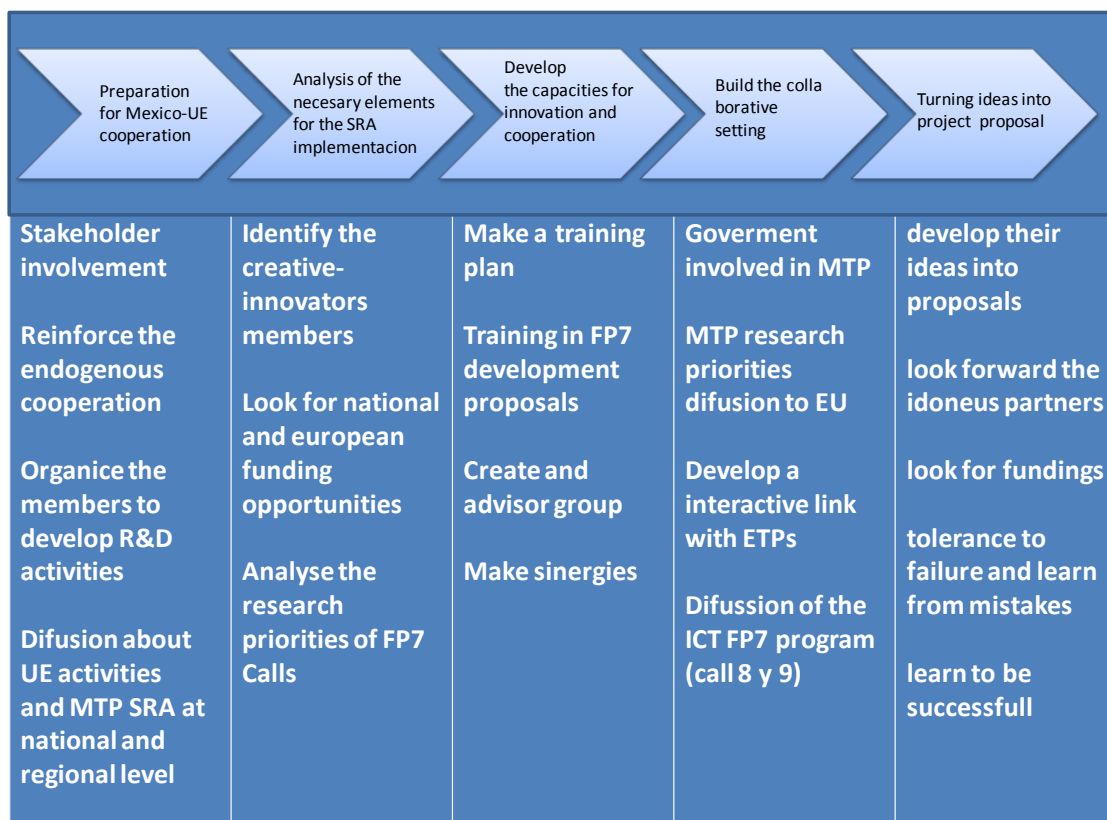
- **Identification of EU counterparts**

As stated before, RECIIF developed for each project initiative the profile of the sought partner, describing the required skills and competences, type of entity and potential role of the European Partner. Identification of EU counterparts for the project is assisted by the European partners of the project FIRST, taking into account their role within ETPs as the reference point of the project in Europe. European partners should guide this identification, based on the sought entity profiles required for each research topic.

Nonetheless, it is important to highlight the first approaches of RECIIF to the Chairmen or Executive directors of ETPs (Net!Works, NEM and NESSI) and meetings between the representatives from RECIIF and ETPs at the FIW 2011 (Future Internet Week).

Mexico

A series of activities have been ongoing in order to the implementation of the MTP SRA:



Process of Roadmap for MTP SRA implementation

Prepare the MTP for Mexico-UE Cooperation

- Consolidate the TWG organization with the stakeholder involvement.
- Meetings with each TGW to reinforce the endogenous cooperation and to identify opportunities of cooperation with Europe.
- Help the TGW to organize the members to develop R&D activities.
- Diffusion to members about UE activities and Mexico activities related to innovation and cooperation between both sides.
- Diffusion the MTP SRA to national and regional level.

Analysis of main elements for the SRA implementation success

- Identify the creative-innovators MTP members
- Look for national and European funding opportunities
- Analyze the research priorities of FP7 Calls with the MTP SRA.

Development the capacities for innovation

- Review the weaknesses of knowledge innovation and make a training plan ad hoc.
- Training in FP7 development proposals and in others opportunities of funding.

- Create and advisor group of the MTP for develop projects proposals for EU Framework Program.
- Make synergy with ICT NCP of Mexico and others national entities as: Economy, Transport and Telecommunication, Health and Education Secretaries and Conacyt in order to feedback the research priorities.

Build the collaborative escenario

- Regional and National government involved in MTP
- MTP research priorities diffusion to EU
- Generate the instruments to the cooperation
- Develop a interactive links with ETPs
- Diffusion of the ICT FP7 program (call 8 y 9)

Turning ideas into project proposal to SRA implementation

- Helping MTP members to develop their ideas
- Helping MTP members to look forward the most adequate partner
- Helping MTP members to look for funding
- Helping MTP members to be tolerance to failure and learn from mistakes
- Helping members learn to be successful

4 SUMMARY OF THE FIRST RESEARCH ROADMAP

The following table is the example for the development of the list of the main 5 relevant research topics.

ARGENTINA

Before presenting the project ideas that Argentine stakeholders presented, it is of main importance to state the great work that PLATA has locally carried out. This is reflected in the will of the Science and Technology Ministry and of CESSI, on behalf of the local Industry, in continuing the PLATA labour when the FIRST project finishes.

SRA topic priority (WG – R&D priority)	Research topics	Objective	Scope	Expected Impact	Estimated Duration	Estimated budget	Latin American Entity	European Entity
EPOSS - Smart Systems for the Internet of Things	Build intelligent lecture rooms through mobile computing and Internet of things.	Create and evaluate a suit of technologies and tools to enhance lecture rooms via Internet of things, particularly to study impact in group dynamics.	Technology support for higher education.	To improve communication between teachers and students.	24 months	0.5 M €	LIFIA – Facultad de Informática UNLP (Universidad Nacional de La Plata) – Silvia Gordillo - silvia.gordillo@lifa.info.unlp.edu.ar	Technology and infrastructure providers (networking, mobile devices, ad-hoc sensors).
NESSI - Business process modelling	Build an Online Dispute Resolution Service Provider for Latin America based in Argentina and accredited by ICANN to apply UDRP (online	Build an Online Dispute Resolution Service Provider for Latin America based in Argentina and accredited by ICANN and by the National	Apply UDRP (online arbitration) to address gTLD's disputes, ccTLDs	Regional Dispute Resolution Service Provider that can address disputes in local	24 months	0,75 M €	ILCE (Instituto Latinoamericano de Comercio Electrónico) – Marcos Pueyrredon – Virginia López -	Organization accredited by ICANN to address gTLDs and .eu domain names

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	arbitration). This provider will be able to address gTLDs disputes, ccTLDs (depending on the countries' policies) and eventually address as well, other types of Internet related disputes by online means.	NIC administrators of the region.	(depending on the countries' policies) and eventually address as well, other types of Internet related disputes by online means.	language, take into account local culture and respond to cost concerns. Open the possibility to local internet users to start cases in a local organization and open job opportunities to local dispute resolution professionals.			coordinadora@ejnstituto.org - presidencia@ejnstituto.org	disputes.
NEM - Content search and media presentation	Applications of stereo vision and image understanding	Develop robust methods for real time stereo vision and understanding.	Virtual Cities and Museums and Entertainment.	Applications in structural image recognition, robust matching methods, 3D surface interpretation and reconstruction.	36 months	1,8 M €	Universidad Nacional del Sur Imaging Sciences Laboratory - Claudio Delrieux (director) - cad@uns.edu.ar	Czech Technical University in Prague- Department of Cybernetics - Radim Sára sara@cmp.felk.cvut.cz
EPOSS - Smart Systems for Information and Telecommunication	Applications of real time object and action detection, identification, and tracking in video.	Develop robust methods for real time object and action identification and tracking in video.	Security, entertainment, social networks, robotics.	Development of applications that go beyond the current state of the art in computer vision and augmented reality	36 months.	1,5 M €	Universidad Nacional del Sur Imaging Sciences Laboratory - Claudio Delrieux (director) - cad@uns.edu.ar	German Research Center of Artificial Intelligence Didier Stricker (director) - didier.stricker@dfki.de
NESSI -	“Participatory	To redesign efficiently	Application	Readjustment of	24 months.	0,536 M €	Thinknet S.A. -	Entity with

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<p>Business process modelling and Adaptive interactions</p>	<p>Redesign of Processes In the web” Thinknet has developed a participative methodology complemented by technology support. In first place, using that with the help of a facilitator allows the participants to combine their individual visions, reaching agreements between them and making their visions to converge towards the best possible process, and according to the organization and its context. The next challenge is to maximize participation and speed up the implementation, through the deployment of the methodological process on the Internet but without the current restrictions. As for example: support from a facilitator and the requirement of mass-face meetings.</p>	<p>business management processes in Electronic Government and Open Government projects, through the use of a participatory and collaborative web platform.</p>	<p>in public organisms at all levels.</p>	<p>the processes of public organisms in a quick, continuous and efficient way; minimizing the resistance to change.</p>			<p>R & D & i Lab Gustavo Giorgetti - ggorgetti@thinknetgroup.com.ar</p>	<p>abilities in organizational processes and capable of making methodological contributions. Knowledge of Stafford Beer approach is appreciated.</p>
<p>NESSI - Adaptive Interactions: Knowledge- and</p>	<p>Automatic CV Classifier. Our aim is to develop a software tool with the</p>	<p>The objective is to develop a completely new product in the market, that saves lot</p>	<p>Human Resources area of any kind of</p>	<p>High impact on human resources area processes and</p>	<p>24 months.</p>	<p>0,544 M €</p>	<p>Snoop Consulting - Gustavo Guaragna (CEO)</p>	<p>Experience in software development applying text-</p>

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<p>situational-driven personalization of interfaces and services. In addition, text-mining.</p>	<p>capacity to classify curriculums (in different formats, and written in any style) automatically using text-mining techniques, detecting different profiles and real experience in the market. This software tool could provide enormous business value to human resources companies. A lot of time could be saved in classification activities. To get the most of this, this tool could be integrated with other systems that control the recruiting process and the integration with social networks.</p>	<p>of time to human resources recruiters and selectors in their classification activities.</p>	<p>organization. Organization dedicated to provide recruiting services will be specially focused.</p>	<p>effectiveness.</p>			<p>- gustavo.guaragna@snoopconsulting.es</p>	<p>mining techniques. Another useful skill is to have experience in innovative software commercialization in middle and big-size companies.</p>
<p>NESSI - Adaptive Interactions: Knowledge- and situational-driven personalization of interfaces and services. In addition: social networks, text-mining.</p>	<p>Real Time knowledge management. The idea of this tool is to innovate in the field of Knowledge Management, developing a software tool that makes knowledge flow into an organization, connecting people and creating synergy between different areas. This idea would be supported by a software tool where any employee can post a question, and that question will be routed only to those employees</p>	<p>The aim of this project is to develop this real time knowledge management tool capable of routing questions to connect needs with solutions, people and different areas.</p>	<p>This tool is ideal for any organization that makes knowledge its principal asset. Many verticals are suitable, such as universities, labs, or service oriented companies.</p>	<p>High impact in many companies in Latin American market that could improve productivity a lot with a tool like this.</p>	<p>24 months.</p>	<p>0,544 M €</p>	<p>Snoop Consulting - Gustavo Guaragna (CEO) - gustavo.guaragna@snoopconsulting.es</p>	<p>Experience in software development applying text-mining techniques. Another useful skill is to have experience in innovative software commercialization in middle and big-size companies.</p>

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	<p>that have knowledge to answer. This intelligent routing would be supported by text-mining algorithms. To let the knowledge flow rapidly through the organization, this tool will provide multiple-channel notifications such as chat, email, social networks, sms. This multi-channel strategy would lower down response times. This tool will not only expose the formal knowledge, but also distributes the empirical knowledge, decreasing learning curves and increasing productivity of its users. Moreover, the diversity of the community allows their questions are viewed from a multidisciplinary approach.</p>							
<p>NESSI - Adaptive Interactions: Knowledge- and situational-driven personalization of interfaces and services. In addition, text-mining.</p>	<p>Facts and Authorities: We are looking forward to develop a software tool capable of recognising who are actually people with valuable knowledge (also influencers) in digital media (wikis, forums, discussion lists, social networks, and more). Applying text-mining</p>	<p>The main objective is to develop a completely new product in the market, capable of identifying the right authorities in any internet community, by means of using text-mining techniques.</p>	<p><u>Inside an organization:</u> The objective is to save money through automatic knowledge extraction in people's discussions. In this way, this tool</p>	<p>Substantial improvement on information analysis regarding a trademark, product or people recognition. Understanding who are the influencers in</p>	<p>36 months.</p>	<p>0,803 M €</p>	<p>Snoop Consulting - Gustavo Guaragna (CEO) - gustavo.guaragna@snoopconsulting.es</p>	<p>Experience in software development applying text-mining techniques. Another useful skill is to have experience in innovative software</p>

	<p>techniques, this tool could determine authorities any topic, differentiating them from others that seem to know because they only talk a lot. Algorithms include community feedback to authorities' posts, behaviour, and participation among other variables.</p>		<p>could provide useful information regarding who knows what giving guaranties that is recognised by a community. The tool will provide also a way to explore this knowledge in a easy way.</p> <p><u>Outside an organization:</u> This tool will provide a mean to analyse discussions over internet so as to analyse hot topics, trademark or product's mass opinion and who are influencing opinions. Identifying these people can be very</p>	<p>digital media can determine business success.</p>				<p>commercialization in middle and big-size companies.</p>
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			important when taking care of an image of a company or product in the market.					
Intelligent Transportation Systems cross all the technology areas.	<p>Creation of a net about Environmental Impacts of Surface Intelligent Transportation Systems (EISITSY).</p> <p>The relationship between transportation (i.e., mobile sources) and air quality, as well as emissions of greenhouse gases related to global climate change, have been understood for decades, and one of the benefits of sensing technologies might be to locate high emitters of pollutants. The more general question, however, is whether ITS would be a plus or a minus for the environment. Here are the competing points of view (in headline form):</p> <p>1) ITS can smooth traffic flow, thereby reducing stop-and-go driving, which has a deleterious effect on air quality. 2) By adding capacity to the transportation network,</p>	<p>To create a net for test and Recommendations for future R&D in order to cross the European Agenda and the ITS European Action Plan, in their six priority areas:</p> <ul style="list-style-type: none"> ▪ Optimal use of road, traffic and travel data; ▪ Continuity of traffic and freight management ITS services in European transport corridors and conurbations; ▪ Road safety and security; ▪ Integration of the vehicle 	<p>Standardizati on of Communicati ons Protocols/ Green Cars/ New sensors for Safety & Security/ Service providers to generate the information needed for the service (for example traffic information) and operate the service platform (for example the emergency call center); Telecom operators to develop and maintain the</p>	<p>Support cities and their main partners to promote the deployment of ITS in urban areas.</p> <p>Work on exchanging best practice and to elaborate guidelines for key applications in urban areas.</p> <p>Linking the vehicle with the transport Infrastructure</p> <p>Development of accurate Public Data for Digital Maps.</p> <p>Study on interoperability of smart</p>	36 months		<p>ITS Argentina (Association of Intelligent Transport Systems of Argentina) - Daniel Russomanno (President) - daniel.russomanno@itsargentina.org.ar</p> <p>Carmen La Gamba (Coordinator Comitte tech transfer and I+D+i) - carmen.lagamba@itsargentina.org.ar</p>	<p>Universities, ITS Associations; ITS R+D Institutes, Companies and Government Agencies.</p>

	<p>ITS will induce demand and therefore “add innovation to the traffic stream.</p>	<p>into the transport infrastructure;</p> <ul style="list-style-type: none"> ▪ Data security and protection, and liability issues; ▪ European ITS cooperation and coordination. 	<p>communication systems that connect the car to the service operators. Automotive equipment suppliers to develop the onboard systems needed for the service (for example integrated radio, GPS and GSM equipment). Automotive manufacturers, which specify, integrate and market the new services and onboard equipments. Software companies and other equipment manufacturers.</p>	<p>ticketing.</p> <p>Elaborate guidelines for the key applications (specific regard to interoperability and continuity). Identification the need for further standardization.</p> <p>Potential of ITS for road transport:</p> <ul style="list-style-type: none"> • Reduction of congestion by 5-15% (dynamic traffic & freight management, dynamic navigation, electronic toll collection). • 5-15% less fatalities and 5- 				
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			Governmental Agencies of ITS for Megacities and small events, ITS for Public Transport and Traffic Control, parking and Travelling Information and ITS for Urban and Interurban Highways.	10% less injuries (electronic stability control (ESC), lane keeping support, speed alert, emergency call (eCall). • Possible savings of 10-20% CO2 emissions (road charging, access management, eco-driving support, multi-modality.				
NESSI - Adaptive Interactions/Business Process Modeling	Word Intelligent Handler	To model Language structures + automatic content processing	Web interfaces, document automatic classification and processing, Knowledge Data Base.	social inclusion / regional adaptation /cultural differences / language flexibilization	36 months.	0,2 M €	<u>AIGroup - Universidad de Palermo – Daniel López de Luismlopez74@palermo.edu</u>	Specific Language specialists
NESSI - Adaptive Interactions/Business Process	Fast Intelligent Controller	A smart and adaptive controller.	Strategy evolution, deep	Outdoor adaptation for complex	36 months.	0,248 M €	<u>AIGroup - Universidad de Palermo – Daniel</u>	Robotic specialists – advanced hardware.

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Modeling			environment knowledge and plastic learning.	services.			<u>López de Luise - mlopez74@paler mo.edu</u>	
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Brazil

SRA topic priority (WG – R&D priority)	Research topics	Objective	Scope	Expected Impact	Estimated Duration	Estimated budget	Latin American Entity	European Entity
NESSI - Cloud Computing	Cloud Computing: Middleware	Development of a middleware	Standardization of connector	Standardization to provide services on cloud computing	18 months	2.5 to 3 million of euros	TIM (Brazil) USP CIETEC	TIM (Italy)
NESSI - Cloud Computing	Cloud Computing: Security and Privacy on mobile terminals	Development of standardization and Testbed tools	Standardization of security and privacy / Evaluate tools	Standardization to security and Privacy	24 months	4 to 4.5 million of euros	TIM (Brazil) USP CIETEC	TIM (Italy)
Smart Systems for the Internet of Things (EPOSS) and Adaptive Interactions (NESSI).	Cognitive Systems for social inclusion and accessibility	Development of cognitive system for social inclusion and accessibility for poor communities.	Development of tools to provide cognitive systems	Inclusion of poor communities	24 months	2 to 2.5 million of euros	MCT ASSESPRO-SP	To be defined
EPOSS - Smart Systems for Information and Telecommunication	Internet of Things	Development of Internet of Thing to track & trace urban furniture, goods and vehicles.	Track & Trace of urban furniture, goods and vehicles.	Development of smart cities	24 months	4 to 4.5 million of euros	Prefectures; USP; CIETEC	To be defined

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SRA topic priority (WG – R&D priority)	Research topics	Objective	Scope	Expected Impact	Estimated Duration	Estimated budget	Latin American Entity	European Entity
		goods and vehicles on cities.						
Service Usage (NESSI) and Content creation, Simplicity, Adaptive interaction (EPOSS)	Internet of Services	Development of Internet of Services to provide an infrastructure for deployment of services for mobile devices	Standardization of IoS and Development of Middleware	Improve Quality of Services	24 months	2.5 to 3 million of euros	ASSESPRO-SP CIETEC	Telecommunications Services Provider

Chile

The Chilean stakeholders have presented a set of project ideas to cooperate with the European Union stakeholders. The labour carried out by MACHI has placed near the Industry and the Academia together with some governmental entities. MACHI represented one of the first steps to join the three sectors. Consequently, Chileans parties want to continue MACHI's platform when the FIRST project finishes and are motivated with the opportunity that MACHI brings to the country.

SRA topic priority (WG – R&D priority)	Research topics	Objective	Scope	Expected Impact	Estimated Duration	Estimated budget	Latin American Entity	European Entity
EPOSS - Smart Systems for Information and Telecommunication	Analysis and implementation of an automatic system for traffic incidents detection in the urban area of a	To implement an automatic system of traffic incident detection in a medium sized	ITS application in medium sized cities.	To reduce reaction and response times in order to act in an optimal	36 months.	8 M€	ITS Area, Chile Secretary of Transportation Undersecretary of Transport,	

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	<p>medium sized city (less than 400.000 persons), using historical data collected and stored in a system of traffic control. The project will also include the design and implementation of a detection system that identifies the incidence from the field and reports it to a central control. There exist predictive incident detection systems, based on a long history of traffic data. Another interesting way to explore is to use field mechanisms in order to identify accidents or incidents that occur, some example are: stopped vehicles, blocked intersections, excessively long queues and accidents in general.</p>	<p>city in Latin America (less than 400.000 persons), considering reliability and operational/implementation costs aspects.</p>		<p>way towards incidents, through an automatic detection system. This system will not require a technological installed infrastructure nor a road network in optimum conditions, so it can be implemented in any medium sized city in Latin America.</p>			<p>Ministry of Transport and Telecommunications, Government of Chile. Mr. Pedro Vidal, pvidal@mtt.cl Mr. Nicolás Grandón, ngrandon@mtt.cl Mr. F Montero, fmontero@mtt.cl</p>	
Net!Works Efficiency	<p>It is intended to use the concept of Crowdsourcing, multiple dynamic sources, as a new technological solution for obtaining information of the traffic and the public transport, and to support the audit process, in a city of medium size (less than 400 000 inhabitants). In this field, users of public transport and of streets play a fundamental role in</p>	<p>To establish minimum operational aspects and recommendations for the design, implementation and use of the Crowdsourcing technology solution in the obtention of traffic and public transport</p>	<p>ITS applications in mid size cities.</p>	<p>To consider users as a valid information source.</p>	<p>36 months.</p>	<p>3 ME</p>	<p>ITS Area, Chile Secretary of Transportation Undersecretary of Transport, Ministry of Transport and Telecommunications, Government of Chile. Mr. Pedro Vidal, pvidal@mtt.cl Mr. Nicolás Grandón,</p>	

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	obtaining data, since they become the sources of information to be distributed throughout the city and provide a dynamic information all times. The centralized information collection allows the measurement of the most interesting traffic variables, preserving at all times, the privacy of individuals.	information, in order to support audit processes in a Latin American mid size city.					ngrandon@mtt.cl Mr. F Montero, fmontero@mtt.cl	
EPOSS - Smart Systems for Information and Telecommunication	To implement a system capable to recognize the availability of parking places in the surface, occupied or not occupied, and inform users about this conditions, on public roads in urban areas. There is not always easy to detect the availability of a parking place in the surface in urban or centric areas automatically. Consequently, to identify and to inform users the availability of parking places, would reduce the time of searching it. This would cause the reduction of the congestion and the pollutant emission of vehicles.	To evaluate different technologic alternatives capable of identifying and publishing the availability of parking places located in urban areas with the aim of reducing the time associated to the search of parking places, considering infrastructure and road network aspects, as well as economic aspects.	ITS applications in medium-sized cities in Chile.	A timely information about availability of parking places, can be useful to define an access path to a sector and, consequently, a better travel planning. Reduction of costs associated to the time of search of parking places and the reduction of accidents for distraction and reduction of the velocity.	36 months.	8 M€	ITS Area, Chile Secretary of Transportation Undersecretary of Transport, Ministry of Transport and Telecommunications, Government of Chile. Mr. Pedro Vidal, pvidal@mtt.cl Mr. Nicolás Grandón, ngrandon@mtt.cl Mr. F Montero, fmontero@mtt.cl	
EPOSS and NESSI.	Semantic Web for mathematics and science.	Developing a Semantic Web		Change in the concept of	12 months.		University of Santiago de	

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<p>Smart Systems for the Internet of Things (EPOSS) and Adaptive Interactions (NESSI).</p>	<p>Social knowledge-based system. The main purpose of the project is to investigate methods and algorithms to integrate the cognitive-perceptual and emotional approaches for serious games targeted at senior people, providing the ability the self adaptability and creation of digital contents in relation to automated tools for their production to different platforms. The motivation is that many of the digital presentations and serious games require the ability to provide interesting plots and increase the acquisition of basic skills for self-care for the elderly.</p>	<p>for mathematics and science. Social knowledge-based system.</p>		<p>Web browsing.</p>			<p>Chile – Postgraduate. Adrián Silva Ulloa - adrian_tutorias@ yahoo.es</p>	
<p>NEM - 1.serious games 2.elderly people 3.narrative intelligence, non linear story telling, 4.semantic processing</p>	<p>The main purpose of the project is to investigate methods and algorithms to integrate the cognitive-perceptual and emotional approaches for serious games targeted at senior people, providing the ability the self adaptability and creation of digital contents in relation to automated tools for their production to different platforms.</p>	<p>The main objective of the project is to investigate methods and algorithms to integrate the cognitive-perceptual and emotional approaches for serious games targeted at senior people, providing</p>	<p>ICT for ageing and wellbeing: self-care for elderly.</p>	<p>Empower research community on self-care outcomes and technologies helping to create and improve the understanding of those aspects. Support the software</p>	<p>36 months.</p>	<p>2,13 M€</p>	<p>University of Playa Ancha. Mario Bruno - mbruno@upla.cl</p>	<p>ICT industry developing serious games Research center / University in computational</p>

	<p>The motivation is that many of the digital presentations and serious games require the ability to provide interesting plots and increase the acquisition of basic skills for self-care for the elderly.</p>	<p>the ability of self adaptability and creation of digital contents in relation to automated tools for their production to different platforms.</p>		<p>development of future applications that will facilitate the achievement of self-care on elderly. This project will establish a mean of bridging the gap between serious games for elderly with special needs that are generally close to ICT technology. It will contribute to innovation and thus stimulate the ICT and digital content markets in Europe, and services will be increased in this emerging market. It will benefit the EC knowledge society in terms of economics and improved</p>				<p>creativity Research center / University in serious games Research center / University in semantic processing Center/Institute of occupational therapy for elderly.</p>
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				services reaching its customers, users, suppliers and citizens.				
NEM - Content creation / Simplicity / Adaptive interaction	<p>“Design and Development of web applications for the development of new Performance Indicators from conversations of people in companies”</p> <p>The project consists in developing and exploring new business management metrics from conversations, connections and work practices between collaborators (employees, suppliers or clients) that allow answering and predicting team behavior and online projects, with the aim of making them more productive and innovative (and not <i>a posteriori</i> as it happens with traditional management indicators that not promote neither stimulate innovation). This project combines at least 5 different disciplines such as software development (scalable), business intelligence (web minining, data mining and others), design (a large amount of information</p>	To design a set of new metrics and insights for understanding companies’ management based on what people do at everyday work, and not just from numbers and indicators that are a corollary of the previous information. This project is an innovation in Chile and in the world because of the technology used, the techniques to develop, and the management approach based on discussions regarding the application in which it will be developed, the “natural” change that is beginning to be generated in Internet (Web	Management. Management of different types of work teams. Innovation capacity and competitiveness increase of SMEs.		24 months.	0,73 M€	Metrik Co. Manuel Pino – manuel.pino@metrik.cl	

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	unstructured) modern management and marketing.	3.0) and the combination of different disciplines. All these innovations can be broken down at list in 5 areas (software development, business intelligence, design, modern management and marketing).						
EPOSS - Smart Systems for Information and Telecommunication	Our goal is to provide an information system for public transport users in a middle-size city (with less than 400.000 inhabitants) without many public transport regulations. Without many regulations means that local authorities only define some key safety, mechanical and environmental conditions, while bus owners have to make other decisions, especially those related to schedules and routes. Usually, most technology investment in buses is made by the operators, so if authorities want to give information to users, they have only to get it from operators and share it with the users. It's often believed that in	To research, design and implement different technology alternatives that permit obtaining information about public transportation in minimal regulation conditions, in order to implement an information system of public transport users.	ITS applications in mid size city of Chile and the rest of the world.	In the major portion of the mid size cities of Latin America, the public transportation is executed by private operators and minimally regulated; consequently, the technology implementation of information services to users can not be subordinated to the will of operators. This project aim is to standardize the information	36 months.	8 M€	Secretary of Transport, Ministry of Transport and Telecommunications, Government of Chile. Mr. Pedro Vidal, pvidal@mtt.cl Mr. Nicolás Grandón, ngrandon@mtt.cl Mr. F Montero, fmontero@mtt.cl	

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	order to provide an information system for public transport users it's necessary to have a fully regulated transport system. Facing the fact that most Latin American middle-size cities haven't got many transport system regulations...should we wait until they become regulated to start giving information to users?			systems independently of the regulation levels.				
EPOSS - Smart Systems for Information and Telecommunication	To research, design and implement technologies that allow obtaining and publicizing transport information (such as routes, carriers, frequency and waiting times) for maritime, lake and river passengers; in medium or big sized city that incorporates locations with isolated population. A large portion of the southern Chile is connected through maritime, lake and river transportation; this region is has a cold and rainy climate and there is not road continuity (remote areas). This condition easily allows non-compliance with itinerary and time specifications, having to suspend services on many occasions, producing great	To improve access and quality of information for users of maritime, lake and river transport in a medium sized city located in isolated regions, allowing therefore, to reduce levels of uncertainty.	ITS application in medium sized cities located in isolated regions.	The generation of a an information system for maritime, lake and river users, must be a priority within the transport politics in Chile, since much of the country uses this means to communicate with isolated areas, besides being a really important transportation for the enhancement of the touristic development in the south of Chile.	36 months.	5 M€	Secretary of Transport, Ministry of Transport and Telecommunications, Government of Chile. Mr. Pedro Vidal, pvidal@mtt.cl Mr. Nicolás Grandón, ngrandon@mtt.cl Mr. F Montero, fmontero@mtt.cl	

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	<p>uncertainty. Any effort to find a system for obtaining transport information, is useless if there are not developed the necessary media for the timely publication of the information through any communication media of easy access, high availability and reliability.</p>							
EPOSS - Smart Systems for the Internet of Things	<p>Smart Classrooms for energy efficiency. Research and development of intelligent systems that integrate sensors and video cameras to manage and control energy use in a classroom. The project postulates that the integration of analogue sensors, image processing and intelligent agents will allow a classroom to self-manage energy consumption according to the number of persons and the activity that they are developing. The system will be able to manage and control the amount of light required and the air conditioning for the different activities developed in the classroom.</p>	To develop a system of energy efficiency through the implementation of smart classrooms for the management and control of energy consumption.	Educational institutions.	Efficient consumption of energy considering the number of people and the specific activity performed in the classroom. Savings in the spending of energy. Development of intelligent environments in education.	36 months.		Proteinlab – UTEM - Dr. Héctor Torres B. - htorres@proteinlab.cl	Experts in Internet of Things, computing and energy efficiency.
EPOSS - Smart Systems for the	<p>Multispectral intelligent lighting system for crop</p>	To develop a multispectral	Rural areas.	Improvement of the	36 months.		Proteinlab – UTEM - Dr.	Experts in Internet of

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Internet of Things	<p>in greenhouses. The project poses that it is possible to develop an intelligent system that delivers the amount of light required to optimize the growth of crop in a greenhouse. The system will be capable of identifying the level of plant growth and, according to its size, the amount of multispectral lighting required for each plant in order to accelerate its growth. Furthermore, the systems can also be powered by photovoltaic energy. The project proposes the integration of video cameras with image processing software and an intelligent agent able to control the system according to the size of the plant.</p>	intelligent lighting system with the aim of accelerating the growth of crops in greenhouses.		performance of crops in greenhouses. Development of intelligent greenhouses. Introduction of crops in geographic areas with short periods of light.			Héctor Torres B. - htorres@proteintl-ab.cl	Things, computing and image processing.
EPOSS - Smart Systems for the Internet of Things	<p>Telemedicine through the Internet of the Things in rural environments. The project involves the application of telemedicine in primary health care in rural isolated areas with the aim of improving the timely access of citizens to health care. Through the development of intelligent modules for monitoring</p>	To develop a telemedicine system based on Internet of Things in rural areas to improve health care.	Health, ageing.	Remote monitoring of medical patients. Medical care quality improvement. Reduction of costs. Enhance of response times. General	24 months.		Proteinlab – UTEM - Dr. Héctor Torres B. - htorres@proteintl-ab.cl	Experts in Internet of Things, computing and image processing.

	<p>chronic patients in various rural locations, it could be improved the welfare of persons through a periodic and effective control allowing the decrease of displacements to urban centres.</p> <p>Each intelligent module will have the necessary devices carry out remote monitoring of medical patients, which will be connected to the Internet and, in case of detecting an anomaly in the data reading, the intelligent module will be connected to urban medical centre through videoconference.</p>			<p>Improvement in the health care experience and its results. Displacement reduction of people in rural communities.</p>				
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Colombia

SRA topic priority (WG – R&D priority)	Research topics	Objective	Scope	Expected Impact	Estimated Duration	Estimated budget	Latin American Entity	European Entity
NESSI - Cloud Computing over non-dedicated infrastructures	Software and services: Infrastructure	To facilitate the adoption of cloud technology in SMEs with small IT infrastructures. To attain this objective, this	Definition and implementation of technological solutions to exploit the benefits of	Internet should be an enabler of competitiveness for the countries. Cloud computing is emerging as an opportunity to	35 months	1.3 M€	Universidad de los Andes. PhD Harold Castro hcastro@uniandes.edu.co	European entity with: Experience in knowledge transfer to industries, particularly

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		project will produce tools allowing to build private clouds on the current (mainly desktop based) IT infrastructure of an SME.	cloud computing on common infrastructure as desktop PCs used in various tasks in organizations, but whose resources are underutilized. Implementation needs to easily integrate with solutions on the market. Implementation of the proposed solution on two or three selected SMEs. Documentation and packaging of the solutions to allow easy distribution.	reduce the technology gap of SMEs, but their adoption should remove inhibitors inherent to new unknown technologies highlighted in the objectives. This initiative is expected to enable organizations to easily experiment without incurring in large costs in the technologies associated with cloud computing. It is a way of bringing the cloud closer to organizations that perceive it far away and with fear.				SMEs. Experience in R&D in distributed systems: cloud computing. Experiences in both private and public cloud models. Work experience in technology adoption with producers' associations
NESSI - Smart and Cooperative Security	Security	To provide new solutions for the shortcomings in security in Advanced Technology	Design and implementation of a prototype of Multi-Agent Systems for	Strengthening of security technologies for academic networks based on an intrusion	2 years and 10 months	0,18 M€	Universidad de Caldas - Gustavo Adolfo Isaza Echeverri Gustavo.isaza@uca	European Entities with: Skills in Computer Security

		Networks, through the design and implementation of models and prototypes of detection and prevention of intrusions using <i>HoneyNet</i> , integrating distributed hybrid computational intelligence for the efficient management of the alert correlation process based on ontologies and semantics as well as models based on multi-agent systems.	Intelligent Detection and Prevention of Attacks Advanced Technology, Networks with representation on Ontologies and semantic correlation.	detection and Prevention system and with trap/honeynet network architectures incorporating alert correlation techniques, clustering, classification and ontological reasoning. It is also expected to impact on science and technology in the short term through a Dataset of high dimensionality of normal and abnormal traffic to implement smart, reconnaissance, classification and clustering processes; by year 2012.			ldas.edu.co	under autonomous management systems. Security Companies or institutions that have worked at the Honeynet Project Network.
NEM & NET! WORKS - Computer Supported Collaborative	Digital contents: Creation of content and applications New Forms of contents	To design, build and test collaborative multi-player serious games ⁴	Research in multi-player (collaborative) game-based learning. This	Well designed digital games will support more motivated learning	3 years	0,50 M€	Universidad del Cauca -Cesar Collazos ccollazo@unicauca	Entertainment software industry in Europe. European

⁴- Serious games are designed for the purpose of solving a problem. Although serious games can be entertaining, their main purpose is to train, investigate, or advertise.

<p>Education for Hospitalized Children (CSCHCE)</p>	<p>Collaborative media creation</p> <p>Mobile and wireless communications: Mobile applications</p>	<p>for supporting teaching/learning in health facilities and environments.</p>	<p>new area combines Digital Game-Based Learning with Computer-Supported Collaborative Learning in a way hospitalized children can learn about their illness.</p>	<p>environments in scenarios where children are hospitalized. In addition, group and collaborative games can also support the development of new abilities like communication, collaboration, and teamwork skills.</p>			<p>.edu.co; cesar_collazos@hotmail.com</p>	<p>entities with experience in the development of games in Wii Consoles, Nintendo, Xbox and new interaction paradigms like Interactive Digital Television. Entities with experience in the design of collaborative games.</p> <p>European entities with experience in the health areas in order to validate the games developed.</p>
<p>Net! Works - Convergent Broadband High Capacity Access Networks</p>	<p>Mobile and Wireless Communications: Fixed Mobile convergence</p>	<p>Devise an optical architecture where broadband wireless technologies such as LTE and</p>	<p>Validation of a converged wired/wireless platforms for the end-to-end</p>	<p>In a short-term basis, these facts are expected to have an impact on the forthcoming</p>	<p>3 years</p>	<p>0,20 M€</p>	<p>Universidad Sergio Arboleda - Gustavo Adolfo Puerto Leguizamón</p>	<p>European entities with experimental evaluation and design of high</p>

		WiMAX would be employed to supply wireless terminations at selected ONUs.	network connectivity of various radio and fibre technologies over a backbone PON infrastructure by addressing both physical and network layer functionalities ..	deployment of 4 th generation mobile networks. In the medium term basis, converged architectures are expected to offer capacity upgrade and dynamic capacity allocation schemes offered by next generation optical networking schemes.			gustavo.puerto@usa.edu.co	capacity networks and radio over fiber transmission, with facilities that allow the assessment of architectures based on optical fiber.
NEM - Web ICT Solutions for Sustainable Tourism	Digital contents: New forms of content	Define, analyze, design and build ICT solutions for the development of sustainable tourism, oriented towards mobile devices as well as the web.	Construction of the tools for developing virtual guides to foster sustainable tourism.	Sustainable tourism as a profitable economic activity and supported using Virtual Guides for Sustainable Tourism will generate the following results: Increased economic benefit to the sectors involved in sustainable tourism Increased well-	32 Months	1.16 M€	Soluciones con Tecnología SYTECNO. - Jose Said Becerra Paloma - sytecno@gmail.com	European Entity with: Experience in knowledge transfer to SMEs. Expertise in media production, image, sound and video. Expertise in application development for web and mobile devices. Infrastructu

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				<p>being and quality of life of local communities benefit from sustainable tourism</p> <p>Increased sensitivity and respect for nature and natural resources by tourists and tour operators</p> <p>Leads to new research on best practice in the presentation of digital content</p>				re for multimedia production.
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Mexico

SRA topic priority (WG – R&D priority)	Research topics	Objective	Scope	Expected Impact	Estimated Duration	Estimated budget	Latin American Entity	European Entity
NEM-MEX								
Digital Content Creation (DCC)	New form of contents	Create a new computer game technologies based	Apply new age of video-games to help the	Introduce video-games technologies to	30 months	0.5 M€	NEM-MEX	NEM-ETP

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		on new forms of contents with synergy between media forms.	physical rehabilitation of persons.	rehabilitation clinics and to use it as a personal product.				
Content search and media presentation	Virtual Reality	Use the virtual reality to satisfy needs of the Mexican Society.	Develop virtual reality products in distance learning, healthcare, industrial production and entertainment.	Encourage the education, health, industrial and entertainment economical sectors with new products and companies.	36 months	1.5 M€	NEM-MEX	NEM-ETP
	Automated semantic annotation	Research about new intelligent search engines based on ontology models, semantic recognition, automatic generation of metadata.	Create knowledge based search engines with "intelligence" to know the user needs.	Create a search engines mexican industry.	18 months	2 M€	NEM-MEX	NEM-ETP
Media related applications	Social networking and media sharing	Identify the positive impacts of social media networking for the Mexican content industry	Implement social networking projects	Increase the market of social networking products	24 months	0.5 M€	NEM-MEX	NEM-ETP
NESSI-MEX								

<p>Service Usage</p>	<p>Personalized, intuitive, and seamless service usage</p>	<p>Develop automatic knowledge-, context- and situation-driven personalization of interfaces and services, allowing services to adapt to the needs of individual users and to anticipate their wishes; Make the Web an intuitive structure of information, services, things, catalogues and interaction mechanisms, with context-aware frontends and through innovative multimedia user interfaces based on virtual and augmented reality and 3D internet.</p>	<p>Implement service usage products on the state of the art</p>	<p>Apply the reaserch result on commercial products that use Mexican Society.</p>	<p>24 months</p>	<p>1M€</p>	<p>NESSI-MEX</p>	<p>NESSI-ETP</p>
<p>Service Infrastructure</p>	<p>Management for single, hybrid and multi cloud scenarios</p>	<p>Advance standardized and open approaches for managing cloud resources, including</p>	<p>Implement service infrastructure products on the state of the art</p>	<p>Apply the reaserch result on commercial products that use Mexican</p>	<p>18 months</p>	<p>2M€</p>	<p>NESSI-MEX</p>	<p>NESSI-ETP</p>

		computing, storage and network resources, in a coherent way; Identify common cloud components and their implementation as standardized building blocks; Implement monitoring techniques which allow insights into the cloud		Society.				
Security , privacy and Trust	Security Usability	Easy to use (zero-configuration, security by default), more standardized and understandable security interfaces; Research on user behaviour for developing user-centric intuitive security mechanisms. Security as a Service based on cloud technology, and corresponding solutions for	Implement security. Privacy and trust products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	30 months	1M€	NESSI-MEX	NESSI-ETP

		managed security services with improved usability. Security usability from an administrator's point of view.						
	Internet cyber security	Risk management and mitigation of vulnerabilities on the entire service lifecycle, moving from system-based to more business-based risk analysis; New ways for system-wide security monitoring and analysis at all levels from networking up to services, by deploying innovative methodologies such as proactive protection, detection, analysis, and automatic	Implement security. Privacy and trust products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	30 months	0.8M€	NESSI-MEX	NESSI-ETP

		mitigation; Supporting simultaneous compliance to multiple business domains such as eHealth, eGovernment, or eEnergy; Device security mechanisms and controls for the Internet of Content (e.g. managed data distribution services), Internet of Things (e.g. M2M communication), and the underlying network infrastructure (e.g. mobile networks).						
Service Engineering	Community-based service engineering	New concepts and Internet-based tools to support a collaborative style of distributed service development considering the	Implement service engineering products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	24 months	1M€	NESSI-MEX	NESSI-ETP

		principles of open innovation. Standardized components, platforms, and tools to facilitate open service development. Frameworks and environments for community-based service provisioning.						
	Engineering complex and adaptive heterogeneous services	Automated negotiation of service level agreements and service contracts; Defining a coherent lifecycle for adaptable and evolvable service compositions with continuous quality assurance after deployment; Adaptation mechanisms and techniques to proactively avoid critical problems and thus prevent costly	Implement service engineering products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	30 months	1M€	NESSI-MEX	NESSI-ETP

		repair activities; Engineering models for services operating on huge amount of data, which is created by mobile users and sensors and collected in clouds and Internet applications.						
ARTEMIS-MEX: Embedded systems								
Affordable healthcare and wellbeing	Person-centric Health Management	Improved prevention, care, cure and well-being through Embedded Systems. Rising cost of health-care demands new paradigms supported by ICTs	Implement affordable healthcare and wellbeing products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	24 months	1.2M€	ARTEMIS-MEX	ARTEMIS-ETP
Green, safe and supportive transportation	Methods and Processes for Safety-relevant Embedded Systems	Implement affordable healthcare and wellbeing products on the state of the art	Implement green, safe and supportive transport products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	36 months	1M€	NESSI-MEX	ARTEMIS-ETP
	Efficient	Embedded	Implement	Apply the	36 months	1.5M€	NESSI-MEX	ARTEMIS-

	Manufacturing and Logistics	Systems supporting sustainable, competitive, flexible manufacturing, delivery and support of products over their complete life-cycle	green, safe and supportive transport products on the state of the art	reaserch result on commercial products that use Mexican Society.				ETP
Smart building and Comunity of the Future	Embedded Technology for Sustainable Urban Life	Improved energy use through cost-effective and intelligent embedded systems, smart buildings.	Implement smart building and comunity of the future products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	24 months	0.5M€	NESSI-MEX	ARTEMIS-ETP
e-Mobility-MEX: Wireless communications								
Context and User Profiling	Personal records.	Create personal records and its use on different environments	Implement context and user profiling of the future products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	18 months	1M€	eMobility-MEX	net!works-ETP
	Environment context information (home,	Develop semantic enrichment of context sources and context	Implement context and user profiling of the future products	Apply the reaserch result on commercial products that	24 months	1.6M€	eMobility-MEX	net!works-ETP

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	hospital, etc..)	processing entities, in order to facilitate efficient discovery and selections of unified interaction protocols for accessing context sources and encoding format.	on the state of the art	use Mexican Society.				
	User profile (travel map, route planning: where, when, who, what)	Enhancement of the user context and profile information with social network information	Implement context and user profiling of the future products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	18 months	0.5M€	eMobility-MEX	net!works-ETP
Security Trust Dependability	User privacy	Crete research products to cover store, collect, use and transfer personal data of service providers.	Implement security trust dependability products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	18 months	1M€	eMobility-MEX	net!works-ETP
	User trust in system	Build trusted systems, Trusted Computing Platforms (TCP), trusted devices and the communication itself has to be trustworthy.	Implement security trust dependability products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	18 months	0.8M€	eMobility-MEX	net!works-ETP
	High integrity of information on	Create environments to	Implement security trust	Apply the reaserch result	24 months	1.2M€	eMobility-MEX	net!works-ETP

	health	use safe information on health information systems	dependability products on the state of the art	on commercial products that use Mexican Society.				
M2M	Car-to-car	Create systems and device with communication capabilities to offer the ability to detect traffic problems through the dynamic exchange of position and speed information.	Implement M2M products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	18 months	1.5M€	eMobility-MEX	net!works-ETP
	Automatic payment	Develop device to automatic payment systems	Implement M2M products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	24 months	1M€	eMobility-MEX	net!works-ETP
	In-vehicle context collection	Develop device to context collection	Implement M2M products on the state of the art	Apply the reaserch result on commercial products that use Mexican Society.	18 months	1.2M€	eMobility-MEX	net!works-ETP

Following the requirement of the FIRST DoW, here below is also the relevant info on the identification of Entities for each Research topic.

ARGENTINA						
Research topics	European Entity			Latin American Entity		
	Entity name	Contact Person	Country	Entity name	Contact Person	Country
Research topic 1	To be found – Profile described in Chapter 4.			Universidad Nacional de La Plata - LIFIA	Silvia Gordillo	Argentina
Research topic 2	To be found – Profile described in Chapter 4.			Instituto Latinoamericano de Comercio Electrónico (ILCE)	Marcos Pueyrredon and Virginia López	Argentina
Research topic 3	Czech Technical University in Prague- Department of Cybernetics	Radim Sára sara@cmp.felk.cvut.cz	Czech Republic	Universidad Nacional del Sur Imaging Sciences Laboratory	Claudio Delrieux (director) – cad@uns.edu.ar	Argentina
Research topic 4	German Research Center of Artificial Intelligence	Didier Striker (director) - didier.stricker@dfki.de	Germany	Universidad Nacional del Sur Imaging Sciences Laboratory	Claudio Delrieux (director) – cad@uns.edu.ar	Argentina

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Research topic 5	To be found – Profile described in Chapter 4.			Snoop Consulting	Gustavo Guaragna (CEO) - gustavo.guaragna@snoopconsulting.es	Argentina
Research topic 6	To be found – Profile described in Chapter 4.			ITS Argentina	Daniel Russomanno (President) - daniel.russomanno@itsargentina.org.ar Carmen La Gamba (Coordinator) Comitte tech transfer and I+D+i) - carmen.lagamba@itsargentina.org.ar	Argentina
Research topic 7	To be found – Profile described in Chapter 4.			<u>AIGroup - Universidad de Palermo</u>	Daniela López de Luise - mlopez74@palermo.edu	Argentina

BRAZIL

Research topics	European Entity			Latin American Entity		
	Entity name	Contact Person	Country	Entity name	Contact Person	Country
Research topic 1	TIM	Marco Mancini	Italy	USP	José Roberto Ribeiro Jr (jose.junior@usp.br)	Brazil
Research topic 2	TIM	Marco Mancini	Italy	USP	José Roberto Ribeiro Jr (jose.junior@usp.br)	Brazil
Research topic 3	Telecommunication Service	-----	EU	ASSESPRO-SP	Marcos Sakamoto (assespro@assespro-sp.org.br)	Brazil

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	Provider					
Research topic 4	Telecommunication Service Provider	-----	EU	USP	Caio Fernando Fontana (caio.fontana@pea.usp.br)	Brazil
Research topic 5	Telecommunication Service Provider	-----	EU	ASSESPRO-SP	Marcos Sakamoto (assespro@assespro-sp.org.br)	Brazil

CHILE						
Research topics	European Entity			Latin American Entity		
	Entity name	Contact Person	Country	Entity name	Contact Person	Country
Research topic 1	To be found.			Undersecretary of Transport, Ministry of Transport and Telecommunications, Government of Chile.	Mr. Pedro Vidal, pvidal@mtt.cl Mr. Nicolás Grandón, ngrandon@mtt.cl Mr. F Montero, fmontero@mtt.cl	Chile
Research topic 2	To be found. See Chapter 4.			University of Santiago de Chile – Postgraduate.	Adrián Silva Ulloa - adrian_tutorias@yahoo.es	Chile
Research topic 3	To be found. See Chapter 4.			Universtity of Playa Ancha	Mario Bruno - mbruno@upla.cl	Chile

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Research topic 4	To be found. See Chapter 4.			Metrik	Manuel Pino – manuel.pino@metrik.cl	Chile
Research topic 5	To be found. See Chapter 4.			Proteinlab - UTEM	Héctor Torres B. – htorres@proteinlab.cl	Chile

COLOMBIA

Research topics	European Entity			Latin American Entity		
	European Entity	Contact Person	Country	Entity name	Contact Person	Country
Research topic 1	European entity with: Experience in knowledge transfer to industries, particularly SMEs. Experience in R&D in distributed systems: cloud computing. Experiences in both private and public cloud models. Work experience in technology adoption with producers' associations		UE	Universidad de los Andes	Mr. Harold Castro – hcastro@uniandes.com Skype hcastro05	Colombia
Research topic 2	European Entities with: Skills in Computer Security under autonomous management systems. Security Companies or institutions that have worked at the Honeynet		UE	Universidad de Caldas Universidad Nacional de Colombia - Sede Manizales (Colombia) Universidad Tecnológica de Pereira	Mr. Gustavo Isaza - Gustavo.isaza@ucaldas.edu.co , gustavo.isaza@gmail.com From Universidad de Caldas - Skype gisazae	Colombia

	Project Network.			(Colombia)		
Research topic 3	<p>Entertainment software industry in Europe. European entities with experience in the development of games in Wii Consoles, Nintendo, Xbox and new interaction paradigms like Interactive Digital Television.</p> <p>Entities with experience in the design of collaborative games.</p> <p>European entities with experience in the health areas in order to validate the games developed.</p>		UE	<p>Universidad de Caldas</p> <p>Universidad Federal do Rio Grande do Sul – (Brasil)</p> <p>Instituto de Informática and Universidade Federal de Ciencia da Saúde de Porto Alegre – (Brasil)</p> <p>Universidad de Costa Rica (Costa Rica)</p>	<p>Mr. Cesar Collazos - ccollazo@unicauca.edu.co, cesar_collazos@hotmail.com Skype cesar_collazos</p>	Colombia with Brasil, and Costa Rica
Research topic 4	<p>European entities with experimental evaluation and design of high capacity networks and radio over fiber transmission, with facilities that allow the assessment of architectures based on optical fiber.</p>		UE	<p>Universidad Sergio Arboleda</p>	<p>Mr. Gustavo Adolfo Puerto Leguizamón - gustavo.puerto@usa.edu.co</p>	Colombia
Research topic 5	<p>European Entity with: Experience in knowledge transfer to SMEs. Expertise in media production, image, sound and video. Expertise in application development for web and mobile devices.</p>		UE	<p>Sytecno</p>	<p>Mr. Jose Said Becerra – sytecno@gmail.com</p>	Colombia

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Infrastructure for multimedia production.					
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MEXICO						
Research topics	European Entity			Latin American Entity		
	Entity name	Contact Person	Country	Entity name	Contact Person	Country
NEM-MEX						
New form of contents	NEM-ETP	President ETP	UE	NEM-MEX	Fernando Sierra Regional President, CANIETI-Noreste presidente.noreste@canieti.com.mx	Mexico
Virtual Reality	NEM-ETP	President ETP	UE	NEM-MEX	Fernando Sierra Regional President, CANIETI-Noreste presidente.noreste@canieti.com.mx	Mexico
Automated semantic annotation	NEM-ETP	President ETP	UE	NEM-MEX	Fernando Sierra Regional President, CANIETI-Noreste presidente.noreste@canieti.com.mx	Mexico
Social networking and media sharing	NEM-ETP	President ETP	UE	NEM-MEX	Fernando Sierra Regional President, CANIETI-Noreste presidente.noreste@canieti.com.mx	Mexico

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NESSI_MEX						
Personalized, intuitive, and seamless service usage	NESSI-ETP	President ETP	UE	NESSI-MEX	Luis Cuellar Innovation and Quality Director, Softtek S.A. de C.V. lcuellar@softtek.com	Mexico
Management for single, hybrid and multi cloud scenarios	NESSI-ETP	President ETP	UE	NESSI-MEX	Luis Cuellar Innovation and Quality Director, Softtek S.A. de C.V. lcuellar@softtek.com	Mexico
Security Usability	NESSI-ETP	President ETP	UE	NESSI-MEX	Luis Cuellar Innovation and Quality Director, Softtek S.A. de C.V. lcuellar@softtek.com	Mexico
Internet cyber security	NESSI-ETP	President ETP	UE	NESSI-MEX	Luis Cuellar Innovation and Quality Director, Softtek S.A. de C.V. lcuellar@softtek.com	Mexico
Community-based service engineering	NESSI-ETP	President ETP	UE	NESSI-MEX		Mexico
Engineering complex and adaptive heterogeneous services	NESSI-ETP	President ETP	UE	NESSI-MEX	Luis Cuellar Innovation and Quality Director, Softtek S.A. de C.V. lcuellar@softtek.com	Mexico
Productivity in software engineering	NESSI-ETP	President ETP	UE	NESSI-MEX	Luis Cuellar	Mexico

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					Innovation and Quality Director, Softtek S.A. de C.V. lcellar@softtek.com	
ARTEMIS-MEX						
Person-centric Health Management	ARTEMIS-ETP	President ETP	UE	ARTEMIS-MEX	Eduardo Ramírez CEO, Soluciones Tecnológicas S.A. de C.V. eramirez@s&t.com	Mexico
Methods and Processes for Safety-relevant Embedded Systems	ARTEMIS-ETP	President ETP	UE	ARTEMIS-MEX	Eduardo Ramírez CEO, Soluciones Tecnológicas S.A. de C.V. eramirez@s&t.com	Mexico
Efficient Manufacturing and Logistics	ARTEMIS-ETP	President ETP	UE	ARTEMIS-MEX	Eduardo Ramírez CEO, Soluciones Tecnológicas S.A. de C.V. eramirez@s&t.com	Mexico
Embedded Technology for Sustainable Urban Life	ARTEMIS-ETP	President ETP	UE	ARTEMIS-MEX	Eduardo Ramírez CEO, Soluciones Tecnológicas S.A. de C.V. eramirez@s&t.com	Mexico
eMobility-MEX						
Personal records.	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V. david.teran@abatta.com	Mexico

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Environment context information (home, hospital, etc..)	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V. david.teran@abatta.com	Mexico
User profile (travel map, route planning: where, when, who, what)	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V. david.teran@abatta.com	Mexico
User privacy	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V. david.teran@abatta.com	Mexico
User trust in system	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V. david.teran@abatta.com	Mexico
High integrity of information on health	Net!works-ETP	President ETP	UE	eMobility-MEX		Mexico
Car-to-car	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V. david.teran@abatta.com	Mexico
Automatic payment	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V.	Mexico

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					david.teran@abatta.com	
In-vehicle context collection	Net!works-ETP	President ETP	UE	eMobility-MEX	David Terán Projects Director, Abatta Systems S.A. de C.V. david.teran@abatta.com	Mexico

5 APPENDIX 1. Recommendation of questions for FIRST questionnaires and surveys

Argentina

Entity profile of Argentine Organizations that actively contributed to the roadmaps towards implementation of future internet strategic research agendas:

Name of the Organization	About the organization	Area of work of the organization / services / products	Business interests	Quantity of members	Website	Contact details
LIFIA. Universidad Nacional de La Plata.	Research, development, and innovation lab at the Computers Science Faculty of the National University of La Plata.	Software engineering, Semantic web, Internet of things / Research, Development, Consulting, Training.	Educational applications of Internet of things	15 researchers, 10 graduate students, 30 engineers.	http://www.lifia.info.unlp.edu.ar	Silvia Gorillo - silvia.gordillo@lifia.info.unlp.edu.ar
Instituto Latinoamericano de Comercio Electrónico (ILCE).	Non-profit organization, that promotes the Digital Economy integration of the Latin American Region.	Digital Economy / Events, Training, Studies, Initiatives to support the Digital Economy in Latin America.	Build Trust in the Digital Economy.	Direct members: 15 chambers Indirect Members: 1800 corporations of the Digital Economy in Latin	www.einstituto.org	Marcos Pueyrredon - presidencia@einstituto.org – Virginia López - coordinadora@einstituto.org

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				America.		
Universidad Nacional del Sur - Imaging Sciences Laboratory	Educational/research	Research and development in image and video processing and related areas	Development of products and services in image, video, games, monitoring, remote sensing, GIS	10	www.imaglabs.org	Dr. Claudio Delrieux (director) – cad@uns.edu.ar
Thinknet S.A. – R&D&i Lab	Knowledge management consulting and development Network	Development of methodologies and tools to support sustainable change processes in a collaborative way.	Thinknet has developed a methodology in conjunction with the Ken Orr Institute. Our main interest is to enhance it with the Viable System Model and the Team Syntegrity of Stafford Beer, exploiting the complementarity between both approaches.	21	http://www.thinknetgroup.com.ar/	Gustavo Giorgetti - giorgetti@thinknetgroup.com.ar
Snoop Consulting	Snoop is an experienced company in developments and sophisticated solution implementation,	Snoop’s mission is to generate value for our customers, partners, staff and shareholders through the adoption of innovative information	Our intention is to develop I+D+i strategic alliances that let us cooperate in the “Future Internet” field.	180	www.snoopconsulting.com	Gustavo Guaragna (CEO) - gustavo.guaragna@snoopconsulting.es

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	which enhance business productivity and assure your investment on technology.	technologies.				
ITS Argentina (Association of Intelligent Transport Systems of Argentina)	ITS Argentina is a not for profit association, was born in 2000 and whose purpose is to get together actors involved in the Intelligent Transport Systems (ITS).	Intelligent Systems for Transport, based on the interaction among informatics, telecommunications and combined use of media, enable to face in an innovative way the problems tied to public and private mobility, developing in an organic and functional manner, solutions oriented to safety, efficiency, effectiveness, inexpensiveness and environmentally friendly.	Encourage the development of policies for the use technologies for transport. Promote research and studies of ITS technologies. Be an exchange of experiences and training with other national or foreign companies. Foment training programs in Argentina and abroad on matters related to ITS.	Our members include private corporations, public agencies, and academic institutions involved in the research, development and design of Intelligent Transportation Systems technologies that enhance safety, increase mobility and sustain the environment. The community is our highest priority. They are the focus of everything we do.	www.itsargentina.org.ar	Daniel Russomanno (President) - daniel.russomanno@itsargentina.org.ar Carmen La Gamba (Coordinator Comitte tech transfer and I+D+i) - carmen.lagamba@itsargentina.org.ar

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<u>AIGroup - Universidad de Palermo</u>	Research Laboratory focused on Computational Intelligence	Applied research in Computational Linguistics and Consciousness	Computational Intelligence	40	www.aigroup.com.ar www.palermo.edu/ingenieria/it_lab.html	Daniela López de Luise - mlopez74@palermo.edu
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Brazil

Name of the Organization	About the organization	Area of work of the organization / services / products	Business interests	Quantity of members	Website	Contact details
Universidade de São Paulo	Public University of São Paulo State. USP, as the major institution of higher learning and research in Brazil, is responsible for educating a large part of Brazilian Masters and Ph.D's.	Its undergraduate program consists of 240 courses, dedicated to all fields of knowledge, distributed in 42 units of learning and research and offered to more than 57 thousand students. The graduate program is composed of 239 programs (with 308 Masters degree courses and 299 Ph.D courses).	R&D+i and Education on ICT themes.	20,517 employees (5,222 professors and 15,295 researcher / staff)	www.usp.br	Andre Hirakawa andre.hirakawa@usp.br
ASSESPRO	ASSESPRO is an association of enterprises with	ICT (Hardware and Software Development and Services	ICT	20 employees	www.assespro-sp.org.br	Marcos Sakamoto assespro@assespro-sp.org.br

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	focus in ICT. Over 30 years, the Assespro has defended the interests of legitimate national computer companies.	Consultant)				Roberto Mayer roberto.mayer@assespro.org
SUCESU	SUCESU is an association that represents the interest of Institutions, Enterprises, Professionals and Academia on ICT, being a communication channel between the sector with government and reference for market research.	Represent and defend the interests of ICT users Sao Paulo State through political action, institutional and technical promoting and disseminating the use of ICT.	ICT (mainly on Technological Platform)	10 employees	www.sucesusp.org.br	João Neves joaonevesf@gmail.com
UEA	Public Univeristy of Amazonas State	Promoting education, developing scientific knowledge, particularly on the Amazon, together with ethical values able to integrate the man in society and improve the quality of life. Conduct research	R&D+i and Education on ICT themes.	Professor: 1,063	http://www2.uea.edu.br/	Antenor Ferreira Filho antenorfilho@gmail.com

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		and stimulate creative activities, valuing the individual in the evolutionary process, promoting knowledge science related to man and the Amazonian environment.				
IPT	Institute for Technological Research, a public research institute linked to the Secretariat for Economic Development, Science and Technology of the State of São Paulo, has been contributing actively to the country's development for over a century.	<p>IPT is one of Brazil's largest research institutes, with state-of-the-art laboratories and a highly qualified team of researchers and technicians working basically in four major areas:</p> <ul style="list-style-type: none"> – Innovation, – R&D, – Technological services and metrological support, and – Information and education in technology. 	R&D+i and education in ICT.	<p>Researchers: 1.000</p> <p>Staff: 275</p> <p>Scholarship: 160</p>	http://www.ipt.br	<p>Alessandro Santiago dos Santos</p> <p>alesan@ipt.br</p>

Chile

Entity profile of Chilean Organizations that actively contributed to the roadmaps towards implementation of future internet Strategic Research Agendas:

Name of the Organization	About the organization	Area of work of the organization / services / products	Business interests	Quantity of members	Website	Contact details
ITS Area, Chile. Undersecretary of Transport, Ministry of Transport and Telecommunications, Government of Chile.	Develop an efficient, safe and environmentally friendly Transportation System in the country.	Public Transport, Traffic Management, Traffic Safety, Cargo, Transport grants and information for Users.	Intelligent Transportation Systems (ITS)	1290	www.mtt.cl	Mr. Pedro Vidal, pvidal@mtt.cl Mr. Nicolás Grandón, ngrandon@mtt.cl Mr. F Montero, fmontero@mtt.cl
University of Santiago de Chile – Postgraduate.	University, research and development	Products for scientific training				Adrián Silva Ulloa - adrian_tutorias@yahoo.es
Universtity of Playa Ancha	Educational Institution	Education			www.upla.cl	Mario Bruno - mbruno@upla.cl

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Metrik	Is a company that develops collaborative web applications in order to increase work productivity and efficiency through simple, clear and elegant practices packaged through the web for hundreds of companies.	Suipit. Software as a Service (SaaS).	To build an ecosystem of applications around the core of discussions focused on different niches and types of companies in the world.	11	www.metrik.cl/ / www.suipit.com	Metrik Co. Manuel Pino – manuel.pino@metrik.cl
Proteinlab - UTEM	Programme of Foresight and Technological Innovation - ProteinLab UTEM - is a multidisciplinary research group of Universidad Tecnológica Metropolitana, under the Department of Academic Research and Development, which studies the impact of using digital technologies to design and sustainable new product development	The area of work of the organization is focused on the research and development of new products and services that improve life quality of people.	Through applied research, study and analysis of future scenarios, emerging technologies and trends, develop products and applications and services in the following areas: ICT and Innovation, Connectivity and Access Digital Design, Interaction and Smart Environments and Sustainable Energy.		www.proteinlab.cl	Dr. Héctor Torres B, - htorres@proteinlab.cl

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	and interactions between people and their environment.					
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Colombia

Name of the Organization	About the organization	Area of work of the organization / services / products	Business interests	Quantity of members	Website	Contact details
Universidad de los Andes	Universidad de los Andes has within its institutional development plan to become a research university with international standards. To achieve this, it has 130 research groups classified by Colciencias, National Department of Science, Technology and Innovation, and about 500 active researchers in different fields of knowledge.	COMIT Research Group	Different aspects of distributed systems, mainly grid and cloud computing, mobile (context-aware) computing, data integration (data mining, Business Intelligence), and security. COMIT is currently leading projects at a national scope in grid technologies and is classified in category B by Colciencias.	Over 500 employees	http://comit.uniandes.edu.co/	hcastro@uniandes.edu.co Skype: hcastro05

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	It has a wide and varied intellectual output reflected in books, book chapters, articles in indexed journals, articles in national and international conferences as well as products of artistic creation.					
Universidad de Caldas	The Universidad de Caldas, in compliance with the social task corresponding to its nature of public institution, has the mission to generate, appropriate, spread, and apply knowledge through curricular, investigative and projection processes in order to contribute to the formation of citizens who can serve the society, the solving of regional and national problems, and the	GITIR Research group –Research, Innovation, Development and Technological transference Centre- Ci ² Dt ² Department of Systems and Informatics	GITIR is a group dedicated to research projects on Computational Intelligence, Security, Networking, Knowledge Management, Bioinformatics, bio-computational models. The group has 9 years of existence and has published in journals with good impact factor and indexed, so it consistent with International Congresses in the	Over 101 employees at the Universidad de Caldas. Particularlly, Ci ² Dt ² and GITIR group has 5 PhD’s, 4 doctoral candidates, 6 masters and 3 specialists.	http://www.ucaldas.edu.co	gustavo.isaza@ucaldas.edu.co Skype: gisazae

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	sustainable development and the integration of the Central Western area of the country.		research			
Universidad del Cauca	The Universidad of Cauca is a public institution of higher education with more than 180 years. Located in Popayan , it offers different undergraduate, graduate and postgraduate programs to people from different places of Colombia.	IDIS Research Group	IDIS (Software Engineering Research and Development Group) was created in 2004. Its main research areas include Software Engineering (Product / Process), Human-Computer Interaction and Collaborative Engineering. It is composed by several PhD and some students of master and computer science doctoral program.	Over 101 employees at the Universidad del Cauca. Particularlly, IDIS Research Group is composed by 4PhD Researchers, 4 PhD Candidates, 2 Masters of Science, 4 Master of Science students and 3 PhD Students.	www.unicauca.edu.co/~ccollazo	ccollazo@unicauca.edu.co cesar_collazos@hotmail.com Skype: cesar_collazos
Universidad Sergio Arboleda	Universidad Sergio Arboleda is a Colombian private entity aiming at the excellence of the research and	ESINUSA Research Group	The ESINUSA Research group was founded in 2006, currently 15 researchers from different disciplines	University with roughly 250 employees. Within ESINUSA research group: 3 PhD, 7 master and 15	gustavo.puerto@usa.edu.co	gustavo.puerto@usa.edu.co

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	innovation in a wide range of fields of knowledge including Laws, International Marketing and Business, Engineering, Mathematics, Philosophy and Economy.		including Software, Telecommunications and Electronics Engineering as well as management make part of a multidisciplinary research group. In accordance with a recently internal classification performed by the University, the group is ranked in A category following Colciencias guidelines.	students.		
Sytecno	SYTECNO - technology solutions is a Colombian company leader in creating innovative technology solutions for business and social sector	Research area	The area of research, development and innovation SYTECNO is consolidated with the aim of providing innovative technology solutions to the social sector and business	1-10 Employees at SYTECNO	sytecno@gmail.com	

Mexico

Name of the Organization	About the organization	Area of work of the organization / services / products	Business interests	Quantity of members	Website	Contact details
National Council of ICT and Software Clusters (CNCS)	Belong to National Chamber of Electronics and Information Technologies industry (CANIETI)	Coordinate national strategy to develop of ICT clusters. Innovation and research projects.	Innovation on software and services, wireless telecommunications , interactive media, e-health and embedded systems.	23 main Regional ICT Clusters of the country	www.cncs.org.mx	Jorge Buitrón President jbuitron@inteqsoft.com.mx +52 (442) 225 3556
National Researchers Network on ICT (REDTIC)	REDTIC is an official initiative of the National Council of science and technology (CONACYT). REDTIC is part of the Scientific Committee of the MTP.	Innovation and research projects.	Main Research Lines: -Telecomm and networks - E-Learning - Virtual Reality - Agents and ubicuos computing - Biomedicine -Education	150 scientific research groups of universities, research centers, national laboratories around Mexico	www.redtic-conacyt.mx/	Cristina Loyo/ Eduardo Morales President redtic-conacyt@inaoep.mx

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

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			- Smart cities -Intelligent Systems			
Governmental Ministries	<ul style="list-style-type: none"> - Economy - Communications and Transports - Science and Technology - Health 	All these entities are oriented to develop the digital agenda of Mexico	Digital agenda of Mexico	Public entities to support the LATP labor	www.prosoft.economia.gob.mx/ www.sct.gob.mx/ www.conacyt.mx www.salud.gob.mx/	<ul style="list-style-type: none"> - Claudia Ivette García cigarcia@economia.gob.mx - Eloisa Talavera etalavera@sct.gob.mx - Héctor Sámano hsamano@conacyt.mx - Jorge Perafán perafan@sio-videoconferencia.com

QUESTIONNAIRE

The following questionnaire is to be considered as a recommendation for set of questions and information to be collected from Latin American stakeholders. LatAm partners may decide to include additional questions to better clarify the scope and understanding of the responses.

The set of questions suggested will permit to obtain a minimum set of information required to further analyze during the assessment of the road-mapping. These questions have been extracted from a much larger questionnaire used by the DG RESEARCH project MAPEER SME, which has tested the validity of these questions throughout the whole of EU member States.

The FIRST project aims at setting the ground base to mobilize researchers in five Latin American countries interested in the Future Internet and ICT Components fields to become active in research and innovation. It aims to do so by providing detailed insights about the researchers priorities, plans and barriers they face in getting involved in research and innovation activities. At the same time, it also collects information and views about the strengths and weaknesses of national / regional R&D and innovation programmes in their country.

With your active contribution by filling in the Questionnaire you will help achieve the above aims and moreover you will be directly involved in adjusting the most efficient roadmap for effective research activities in your country and the EU.

Therefore we would be very grateful if could take not more than 15 min. of your time to fill in this Questionnaire.

For further information about the project you may contact the FIRST Project Coordinator in Your country

Thank you very much for your support and cooperation,

The FIRST team

Research Organization main information

Name	
Address/region/country (NUTS classification)	
Contact	
Name of respondent	
Date of response	

1. Turn over with reference to the year

Annual turnover (year: _____)

0 to 2 million EUR

More than 2 million to 10 million EUR

More than 10 million to 50 million EUR

More than 50 million EUR

2. Size of your entity

Full time employees (year: _____) 0 employees
 <10 employees
 10 – 49 employees
 50 – 249 employees

Part time employees (year: _____) 0 employees
 <10 employees
 10 – 49 employees
 50 – 249 employees

B Organization R&D and innovation– related specific data

3. R&D personnel

% of full-time employees dedicated to R&D activities (drop down list)
 0 - 10%
 10 - 20%
 20 - 50%
 > 50%

4. Annual R&D income in % of total income

Approximate percentage of total income coming from patents, licenses, royalties, demonstrators, proto-types etc. (drop down list)
 0 - 10%
 10 - 20%
 20 - 50%
 > 50%

5. What proportion of your current sales comes from new or substantially improved products or processes introduced since 2005?

(drop down list)
 0 - 10%
 11 - 20%
 21 - 30%
 31 - 40%
 41 - 50%
 > 50%

6. How many job positions have been created or sustained in your company as a result of introducing new or substantially improved products or processes since 2005?

(drop down list)
 0 - 10 jobs
 11 - 20 jobs

<input type="checkbox"/>	21 - 30 jobs
<input type="checkbox"/>	31 - 40 jobs
<input type="checkbox"/>	41 - 50 jobs
<input type="checkbox"/>	> 50 jobs

7. Annual R&D expenditures in % of total expenditure

Approximate percentage of total expenditures allocated to R&D expenses (R&D staff salaries, contracts to outside R&D performers, acquisition of machinery, equipment and software, purchase of patents and know-how from other organizations, training in R&D, market introduction of innovations)

<input type="checkbox"/>	(Drop down list)
<input type="checkbox"/>	0 - 10%
<input type="checkbox"/>	10 - 20%
<input type="checkbox"/>	20 - 50%
<input type="checkbox"/>	> 50%

8. Does your company have a separate R&D department performing R&D in-house? Y / N

9. How would you judge your firm's research and innovation record when comparing to the competitors in your industry in the past and now?

(drop down box with lagging / average / leading)

5 years ago	Now (2010)
<input type="text"/>	<input type="text"/>

10. Five years ago, did you devote fewer resources / about the same resources / more resources to research and innovation?

(drop down box with 3 options as in brackets)

11. What has been the impact of the recession on your company in relation to:

	Bad	Neutral	Good
Orders for new and improved products	<input type="text"/>	<input type="text"/>	<input type="text"/>
Orders for established products	<input type="text"/>	<input type="text"/>	<input type="text"/>

**12. Have you defined an R&D and innovation strategy for the next 5 years?
Y / N**

**13. Do you own any patents / trademarks?
Y / N (+ number of patents)**

EU Patents
US Patents
EU trademarks
Other (specify)

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

**14. Did you participate in international R&D programmes in the last 5 years?
Y/N (if N go to question 29)**

15. If yes, please indicate which ones and how many projects.

	Yes	< 3 projects	3-5 projects	> 5 projects	No
EC 6 th ,7 th Framework Programme					
INTERREG					
EUREKA					
CIP					
Other (specify)					

16. Did you first participate in regional/national programmes and then participated in international programmes?

Y/N

17. In case you have experience with both national/regional programmes and the EC R&D Framework Programme (FP), how would your FP experience compare with your most positive experience of a national / regional programme participation in terms of meeting the needs of SMEs?

(Please choose from 'Need satisfied better by FP', 'Need satisfied more or less equally in both FP and national/regional programme', 'Need satisfied better by national / regional programme')

Programme representing your most positive experience:

C Research Priorities

Please, complete the list of research priorities. Here the final table, as indicated in Appendix 1 should be subject to priority ranking by the stakeholder.

The data received from this questionnaire is only for internal project use⁵. The project partners are required to treat all information in strictest confidence and will under no circumstances give data to other third parties.
