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European Commission
Information Society and Media



SEVENTH FRAMEWORK
PROGRAMME

Agenda

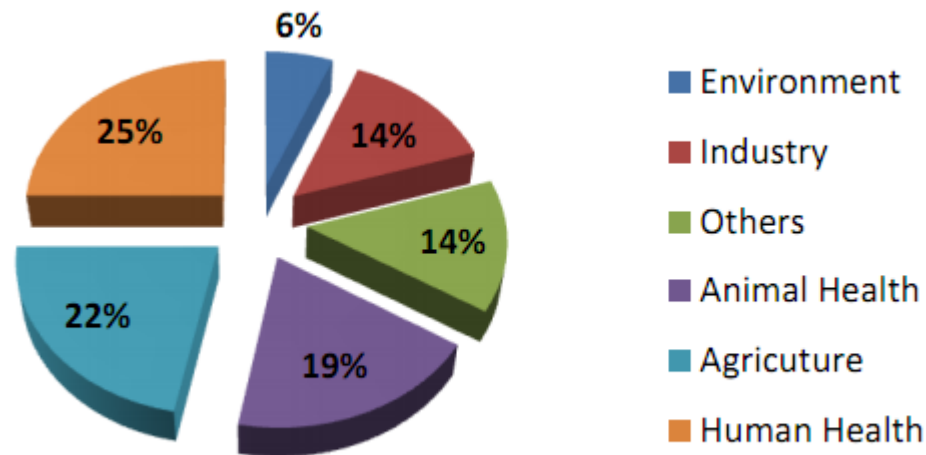
1. PLATA Vision
2. PLATA Creation
3. Achievements and forthcoming actions
4. Working Groups
5. Research areas
6. Potential cooperation with ETPs



Vision

- Argentina is one of the important actors in Latin America regarding ICT. There are several Future Internet areas that show potential in Argentina. In order to identify them is important to take a look at the public policies and vision for R&D.
- The main governmental institution is the Science and technology Ministry (MinCyT) which is in charge of the design of R&D policies and funds in the country
- Main technology areas:
 - Software engineering
 - Signals
 - Image technologies
 - Embedded systems
 - Microelectronics and nanoelectronics

- Biotechnology is a key sector for a country like Argentina that presents a strong agricultural sector. The main areas developed in the country in this field are the following



- The ICT sector has turned into one of the most important sector for the MinCyT because of the spillover effect that improve other industries competitiveness. Also it represents a tool to create added value and more qualified jobs through the population.

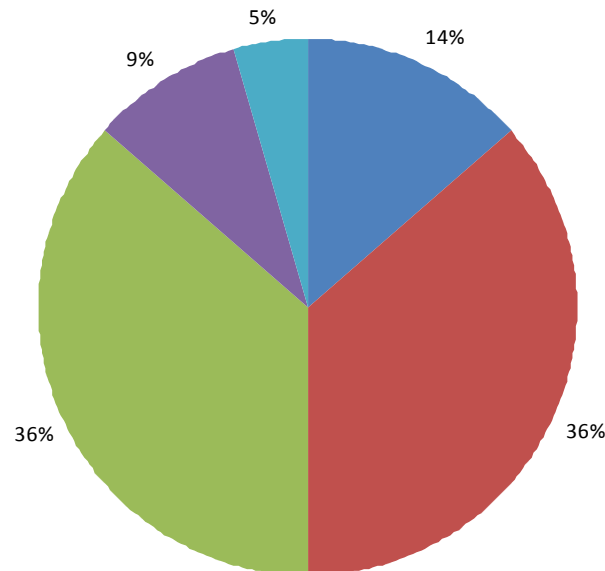
PLATA Creation

- PLATA members, the Argentine Future Internet technological platform, celebrated its first Assembly on October 6th, 2011, at Fundación Cassará, Buenos Aires City.
 - President: Mr. Gustavo Guaragna, CEO of Snoop Consulting and member of CESSI
 - Vicepresidents: Mr. Esteban di Tada (University of Palermo), Alejandro Maneffa (Polo IT Buenos Aires), Gustavo Barragán (CEIL), Javier Orozco (Universidad Nacional del Sur), Paula Vink (G & L) and Daniel Russomanno (ITS).

Members

The Argentine Technology Platform is composed by 93 members. There are 32 members from industries, 30 members from universities, 15 members from research centres, 5 members from government, and 11 members of other type of entities such as industry chambers or independent consultants. In the following chart is showed membership distribution

■ Large Enterprise ■ SME ■ Academia ■ GOV ■ Industry Association



Achievements and forthcoming actions

During 2011, PLATA will be developing key tasks for giving visibility to Argentina:

- **Strategic Research Agenda (SRA)** should set out common research and technological priorities between Argentina and EU in the medium and long-term.
- **Implementation of the Strategic Research Agenda (Roadmap):** 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.
- **Presentation of PLATA in European events and possibility of participating.**
- **Visibility of PLATA leaders in the European Commission**

Working groups

■ ICT Components

- Lider: Daniel Lupi (FAN)
- Group counterparts are Photonics21 and ENIAC European Technology Platforms

■ NuevaNet

- NuevaNet Group gathers Software and Services, Networked Electronic Media, Mobile, Wireless and Satellite Communications entities.
- Liders: Gustavo Guaragna, Gabriel Baum.
- Group counterparts are NEM and NESSI European Technology Platforms

■ Smart and Embedded Systems.

- Lider: Javier Orozco.
- Group counterparts are ARTEMIS and EPoSS European Technology Platforms

Challenges

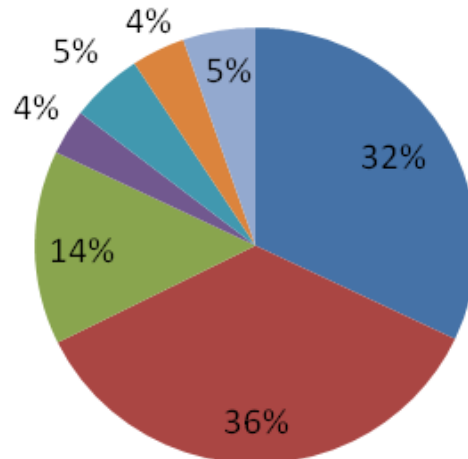
The challenges included in the EU-Latin American regional vision are aligned with the Argentine needs:

- Energy demand efficient and secure distribution and access
- Global healthcare
- Food quality and production
- New security strategies to reduce conflicts and terrorism
- Demographic changes such urbanization, rural inclusion
- Well being and ageing (AAL: Ambient Assisted Living)
- Sustainable and efficient mobility
- Disaster management and rapid response to natural crisis
- Sustainable industries and climate change
- Environment monitoring
- Contributing to a greener world
- Competitiveness and new employment with high added value
- Digital Divide towards social inclusion and equal access to opportunities
- **PLATA has set another challenge: transparency, integrity, accountability and efficiency in the public and private sectors.**

Research areas

Technology Areas Rates

■ NEM ■ NESSI ■ ARTEMIS ■ EPOSS ■ MOBILE ■ ENIAC ■ PHOTONICS



NESSI Hot TOPICS

Service and System Engineering

Adaptive interactions

Business process modelling

Services-oriented utility infrastructure

Research priorities on ICT Components

- MEMS -NEMS
- Memories memistors - memories tech.
- LEDs high efficient
- Microsensors
- Design for reliability
- Design and co-design (set top box)
- Lab-on-a-chip
- Photonics
- Spintronics
- Nanophotonic
- Optic Fiber
- Optical Network
- Laser System
- Laser applications
- Optical Solutions for Communications
- Quantum Processing of Information
- Biosensors
- Solar Cells
- Active optical cables

Research priorities on Software and Systems

- Adaptive interactions
- Business process modelling
- Services pervasiveness
- Services-oriented utility infrastructure
- Service and System Engineering
- Reference Architecture and Implementations
- End to end Trust, Security, Privacy and Resilience
- Systemic Foundation for a Service Economy

Research priorities on NEM

- Media-related applications and business models
- Content creation
- Content search and media presentation
- Technology drivers and enabling technologies

Potential cooperation with EU - Some project initiatives

- Automatic Resumé Classifier (NESSI)
- Real time knowledge management (NESSI)
- Facts & Authorities (NESSI)
- Intelligent lecture rooms (EPoSS)
- Applications of stereo vision and image understanding (NEM)
- Applications of real time object and action detection, identification, and tracking in video (EPoSS)
- Creation of a net about Environmental Impacts of Surface Intelligent Transportation Systems (ITS cross all the Future Internet technology areas)



- Participatory Redesign of Processes In the web (NESSI)
- Word intelligent handler (Objective: To model Language structures + automatic content processing) (NESSI)
- Fast intelligent controller (NESSI)
- Patient Guidance services, safety and healthcare record information (NESSI and EPoSS)
- Virtual factories and enterprises (NESSI and EPoSS)
- Smart factories (NESSI and EPoSS)



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Questions