

First

BraFip Presentation

Roberto Mayer

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Future Internet Assembly (FIA)



European Commission
Information Society and Media



Summary

1. LATP Vision
2. LATP Creation LATP
3. Achievements and forthcoming actions
4. LATP Working Groups
5. LATP research areas
6. LATP potential cooperation with ETPs





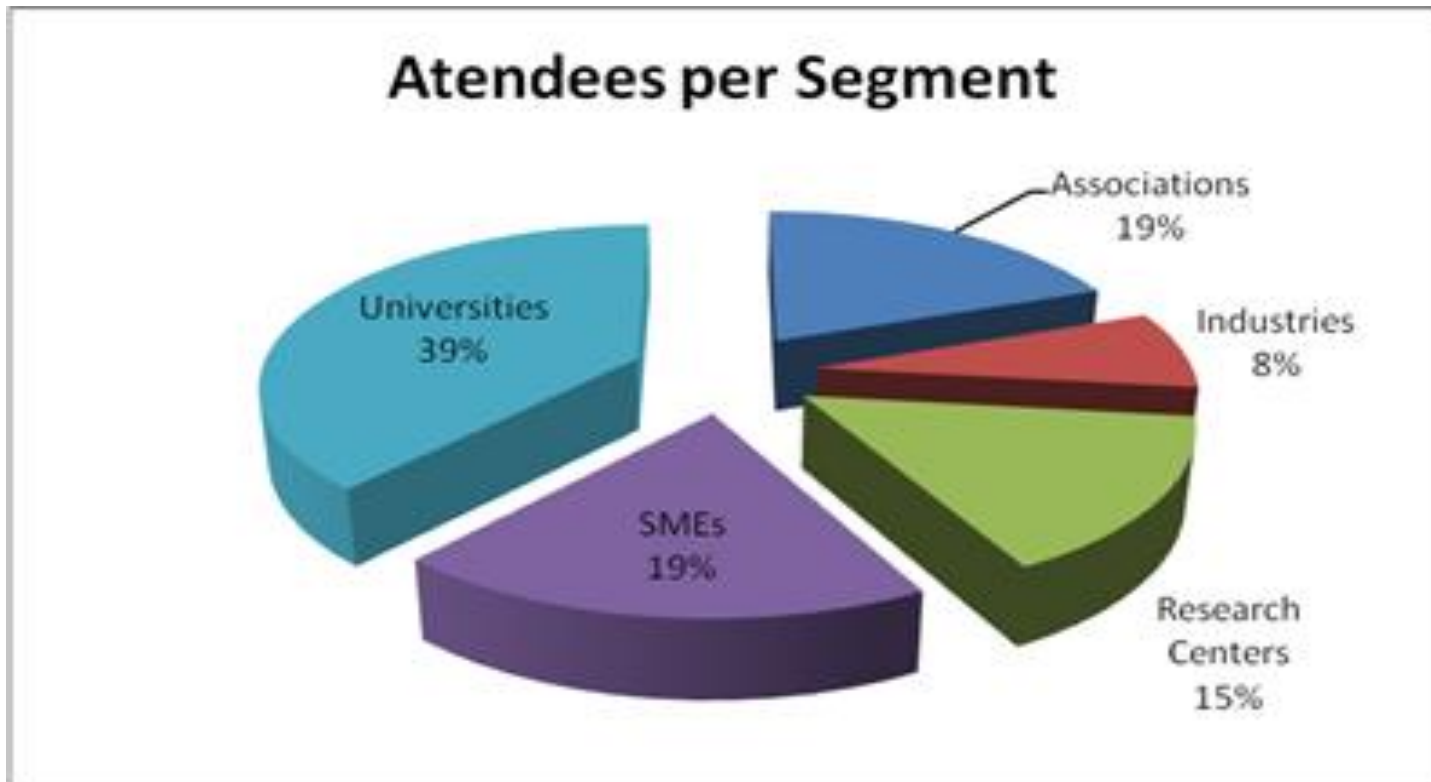
BraFip Vision

- Provide a unified view for research in the field of Future Internet;
- Identify a shared Strategic Research Agenda (SRA) based on technological and economic considerations;
- Demonstrate the potential application of research results to existing business processes as well as in new products and services;
- Continuously analyse relevant state-of-the-art technologies, including the opportunities offered by available approaches and the appearance of new paradigms;
- Establish the strategies to speed up the realization of the vision of the platform, including support to public policies.

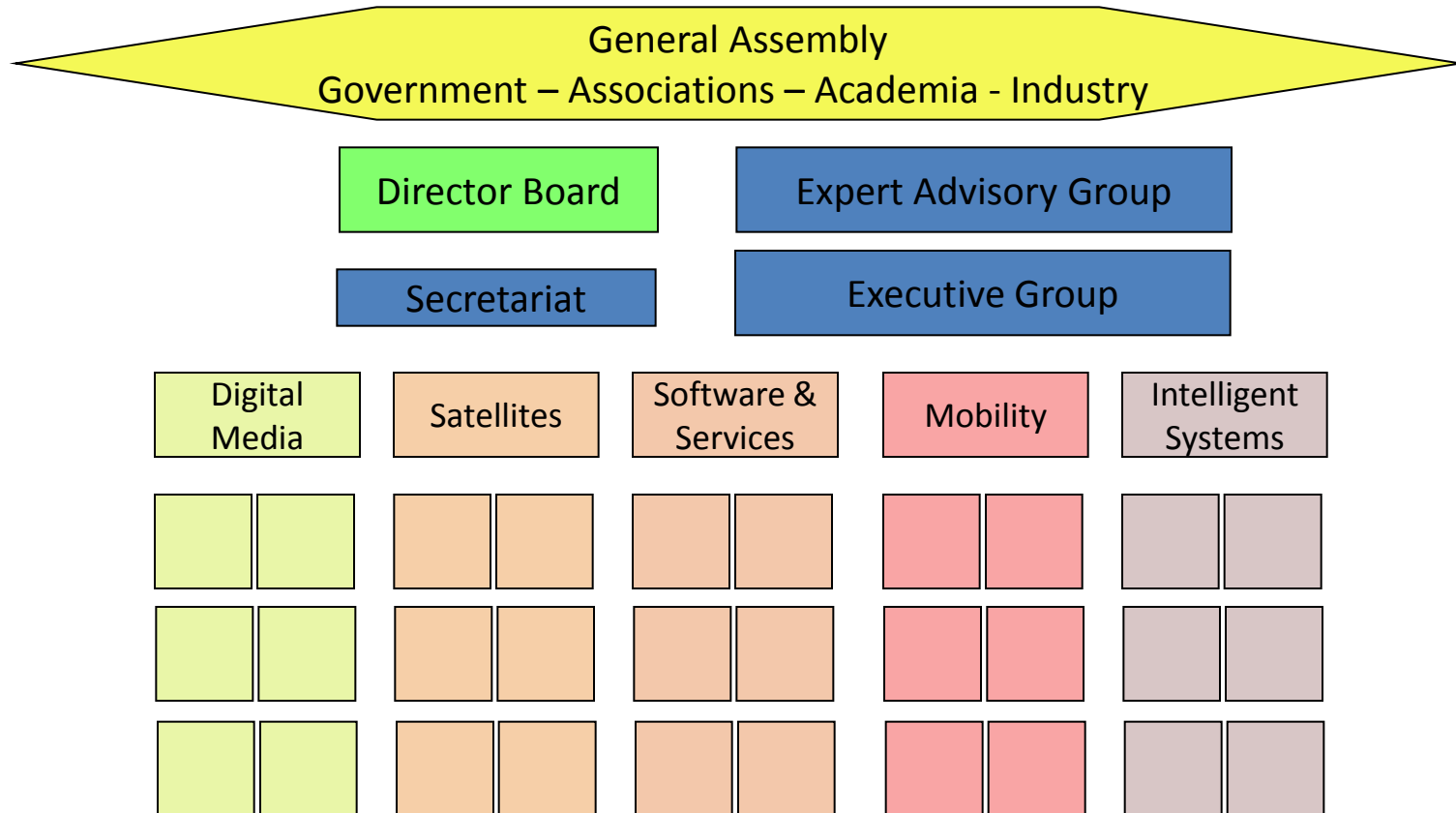
BraFip: Brazilian Future Internet Platform

About BraFip

Created on: April 15th 2011



Structure





Composition:

Chairman: Mr. Roberto Carlos Mayer

Vice: Prof. Antenor Ferreira Filho

Secretariat: Mr. José Jairo Martins - SUCESSU/SP

Digital Media: Mr. John L. Forman

Satellites: and Software and Services: Mr. Antonio Pedro Timoszczuk

Mobility: Mr. Alessandro Santiago dos Santos

Intelligent Systems: Mr. Roberto Matsubayashi



Relation between BraFip and ETP

BraFip Designation	European Technology Platform
Digital Media	NEM
Satellites	ISI
Software and Services	NESSI
Mobility	eMobility
Intelligent Systems	EPOSS and ARTEMIS



LATP Achievements and forthcoming actions

- Creation of BraFip;
- Definition of Strategic Research Agenda (SRA)
- Definition of Roadmap



Roadmap

Research topics	Objective	Scope	Expected Impact
Cloud Computing: Middleware	Development of a middleware	Standardization of connector	Standardization to provide services on 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
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



Roadmap

Research topics	Objective	Scope	Expected Impact
Internet of Things	Development of Internet of Thing to track & trace urban furniture, goods and vehicles on cities.	Track & Trace of urban furniture, goods and vehicles.	Development of smart cities
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 of Quality of Services



Digital Media

Responsible: Mr. John L. Forman

Research Priorities in Brazil

- Media applications and business models;
- Content creation;
- Networking and delivery infrastructure;
- Content search and media presentation;
- Technology drivers and enabling technologies.



Satellites

Responsible: Mr. Antonio Pedro Timoszczuk

Research Priorities in Brazil

- Spectrum availability with efficient spectrum use;
- Higher frequency bands;
- Flexible satellite missions;
- New satellite technologies with lower costs and faster deployment;
- Interworking with terrestrial networks;
- Urban and in-building coverage.



Software and Services

Responsible: Mr. Antonio Pedro Timoszczuk

Research Priorities in Brazil

- Future Internet:
 - Internet of Things;
 - Cloud Computing;
 - Social Networking.
- Infrastructure;
- Mobility.



Mobility

Responsible: Mr. Alessandro Santiago dos Santos

Research Priorities in Brazil

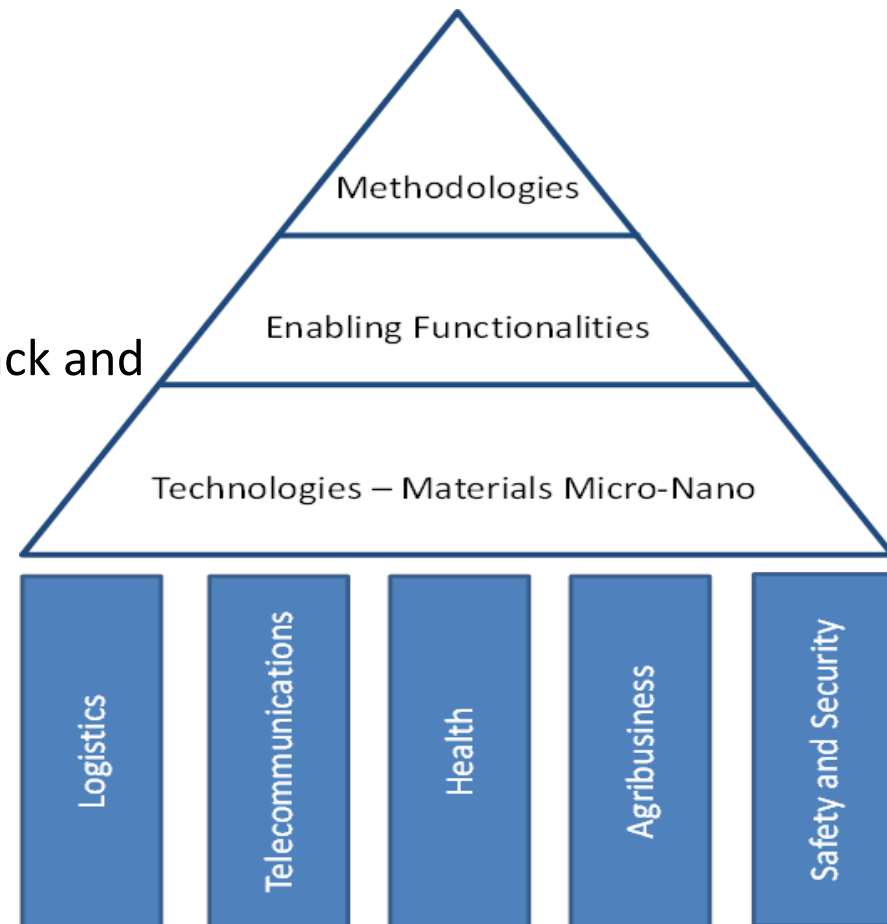
- Communication and connectivity through direct action and monitoring of actions in public and private sectors to broaden the network of telecommunications;
- Technological convergence between devices and systems;
- Intelligent services;
- Mobility services as basis for a smart urban infrastructure, enabling access and management of public and private services;
- Quality of the solutions and of the mobility services;
- Information security and privacy in mobile infrastructure.

Intelligent Systems

Responsible: Mr. Roberto Matsubayashi

Research Priorities in Brazil:

- Methodologies composed of aspects necessary to realize the R&D;
- Enabling functionalities : Sensing , Track and Trace, Energy, Wireless and Mobility;
- Technologies composed of Materials micro-nano and Miniaturization.





BraFip research areas

- Internet by and for People
- Internet of Contents and Knowledge
- Internet of Things
- Internet of Services
- Infrastructure Foundation



LATP potential cooperation with ETPs

BraFip	ETP	Potential Cooperation
Digital Media	NEM	<ul style="list-style-type: none"> • Media Applications: Value web, Social and Networking, Media Sharing and User Satisfaction; • Content Creation: New contents; Tools and 3D; • Networking: intelligent delivery, QoS management and simplified network; • Content Search: Intelligent search and user system interaction; • Technology: Security, privacy, trust, rights management, AAA and Open Systems Architecture.
Satellites	ISI	<ul style="list-style-type: none"> • Spectrum availability with efficient spectrum use • Higher frequency bands; • Flexible satellite missions; • New satellite technologies with lower costs and faster deployment; • Interworking with terrestrial networks; • Urban and in-building coverage.



LATP potential cooperation with ETPs

BraFip	ETP	Potential Cooperation
Software and Services	NESSI	<ul style="list-style-type: none">• Future Internet: IoT and IoS;• Cloud Computing: SaaS, IaaS;• Social Networking: Portal and Tools;• Infrastructure: Architecture, Secure, Trustworthy and Real time;• Mobility: Interoperability, Globally accessible and pervasive, Secure, Trustworthy, Smart, Adaptable, Self management and Real time.
Mobility	eMobility	<ul style="list-style-type: none">• Communication and connectivity;• Technological convergence between devices and systems;• Intelligent services;• Mobility services as basis for a smart urban infrastructure, enabling access and management of public and private services;• Quality of the solutions and of the mobility services;• Information security and privacy in mobile infrastructure.



LATP potential cooperation with ETPs

BraFip	ETP	Potential Cooperation
Intelligent Systems	EPoSS and ARTEMIS	<ul style="list-style-type: none">• Methodologies composed of aspects necessary to realize the R&D;• Enabling functionalities : Sensing , Track and Trace, Energy, Wireless and Mobility;• Technologies composed of Materials micro-nano and Miniaturization.