



Technology Transfer Symposium
Institute IMDEA Networks - **AETIC** - UC3M

I+D+i

"AETIC R&D"

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Auditorium
Science & Technology Park
University Carlos III of Madrid
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www.aetic.es

GENERAL STRUCTURE OF AETIC



AETIC
+ **3.000** associated
members

- 300 individual companies
- 3.000 companies represented through regional and local Associations

AETIC + ASIMELEC = AMETIC

En total, más de 5.000 empresas que suponen:

- Mercado de 93.861 M€
- 7% del PIB
- 350.000 empleados
- 9.559 M€ invertidos en I + D+i

AETIC SECTOR AREAS

ÁREAS SECTORIALES

1

ELECTRÓNICA DE CONSUMO

- Investigación de Mercado
- SATS
- Logística
- EDI

2

COMPONENTES ELECTRÓNICOS

- Semiconductores
- Subcontratación
- Componentes pasivos
- Tratamiento de la señal

3

ELECTRÓNICA PROFESIONAL

- Radiodifusión
- Metrología
- Energía
- Seguridad física
- Coche eléctrico

4

INDUSTRIAS DE TELECOMUNICACIÓN

- Seguridad en Redes
- Integradores de Telecomunicaciones
- Teléfonos móviles
- Prevención de riesgos laborales

5

OPERADORES PROVEEDORES DE SERVICIOS DE TELECOMUNICACIÓN

- Contenidos
- Infraestructuras
- Prevención de riesgos laborales
- Calidad de servicios de telecomunicación
- Regulación
- Tributación

6

TECNOLOGÍAS DE LA INFORMACIÓN

- Consultoría TI

7

CONTENIDOS DIGITALES

- Audiovisual
- Música
- Videojuegos
- Redes sociales
- Marketing dinámico

AETIC ACTION AREAS

ÁREAS DE ACTUACIÓN

- 1 CORPORATIVA**
- Presidencia Española Unión Europea 2010

- 2 DESARROLLO DEL MERCADO**
- Comisión de Desarrollo de la Sociedad de la Información
 - Comisión de Seguridad
 - Comisión de Servicios Online y Comercio Electrónico
 - Comisión de Software
 - Comisión de Outsourcing
 - Comisión de Compras Públicas

- 3 INFOESTRUCTURAS**
- Comisión de Expansión de las Redes
 - Comisión de Servicios sobre las Redes
 - Comisión de Contenidos en las Redes

- 4 DESARROLLO INDUSTRIAL**
- Comisión de Política Industrial Reindustrialización Avanzada
 - Comisión de Balanza Comercial e Intelectual
 - Comisión de Sector Público
 - Comisión de Sectores Emergentes
 - Comisión Televisión Digital

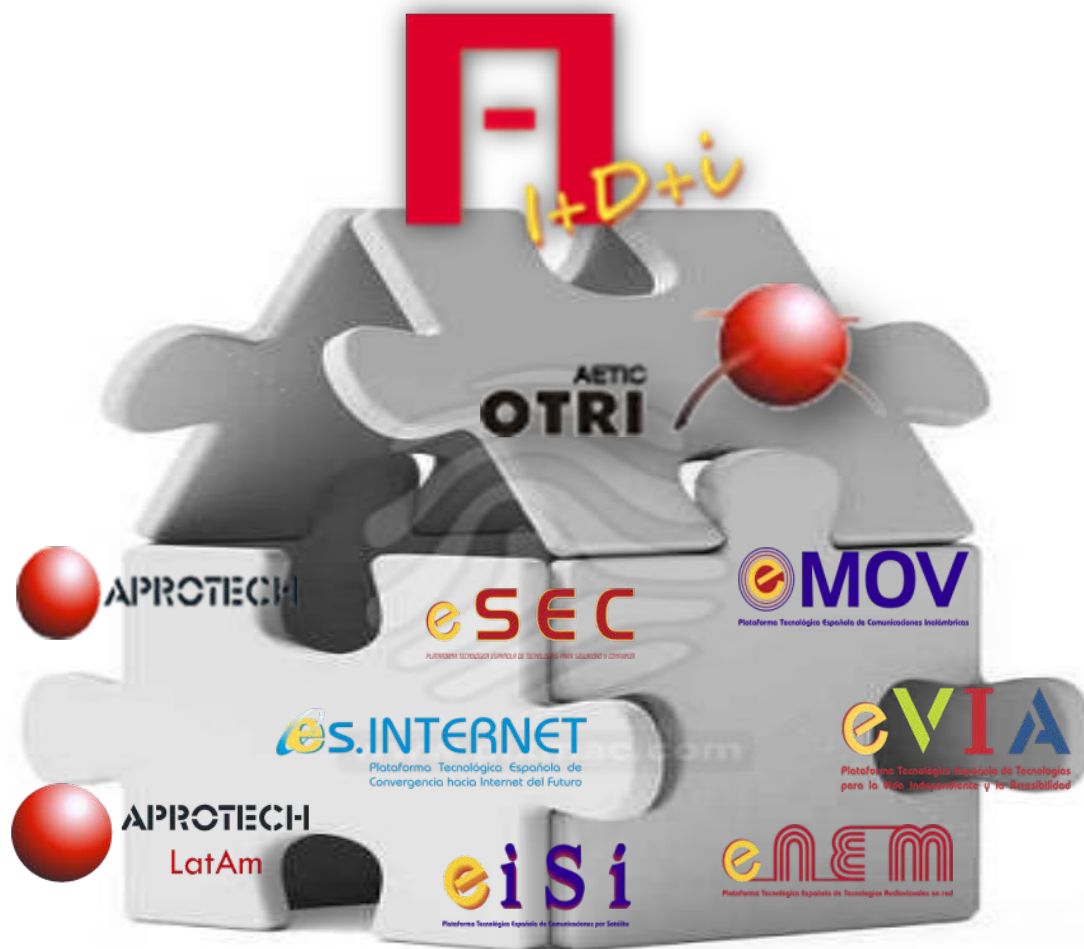
- 5 INNOVACIÓN TECNOLÓGICA**
- Comisión de I+D+i y Financiación Servicios Asociados

- 6 COMPETITIVIDAD EMPRESARIAL**
- Comisión de Formación
 - Comisión de Regulación de la Competencia
 - Comisión de Competencia Internacional
 - Comisión de Fiscalidad
 - Comisión de Jurídica
 - Comisión de Capital Humano

- 7 MEDIO AMBIENTE Y SOSTENIBILIDAD**
- Comisión de ETIC y Sostenibilidad
 - Comisión de Gestión de Residuos
 - Comisión de Eficiencia Energética

- 8 SERVICIOS A LAS EMPRESAS**
- Comisión de Comercio Exterior e Internacionalización
 - Comisión de Ferias
 - Comisión de Calidad
 - Comisión de Estudios, Estadísticas y Publicaciones
 - Comisión de PYMES
 - Comisión de Planes Formación

HOW TO SURVIVE - IMPLEMENTING NEW SERVICES



R&D DEPARTMENT / SPANISH TECHNOLOGICAL PLATFORMS AND PROJECT OFFICE

R&D DEPARTAMENT

AETIC's R&D+I Department has the main objective of **promoting an effective participation** of companies, particularly SMEs, in the electronics, IT and telecommunications sector in:

- ✓ **European R&D+I programmes**, in particular the 7th Framework Programme EUREKA , CIP etc.
- ✓ **Spanish National and Regional R&D+I Programmes**

The main instruments to achieve this objective are:

- ✓ Spanish Technology Platforms
- ✓ AproTECH and AproTECH LatAM Office
- ✓ Projects Management Office

SPANISH TECHNOLOGY PLATFORMS* ¿WHAT ARE THEY?

Scientific/technological cooperation networks bringing together entities with an interest in a specific sector and which, mobilise a critical RTD mass.

- Provide a **framework** for stakeholders (Universities, Technological Centres, Companies etc), led by industry, to define research and development priorities, timeframes and action plans on a number of strategically important issues.
- Spanish **point of reference and contact** with counterpart European platforms
- **Advise** national authorities (Ministries, CDTI, Regional authorities) on defining national R&D programmes.

* Supported by the Ministry of Industry, Tourism and Commerce

SPANISH ICT PLATFORMS

AETIC GIVES SECRETARIAL SUPPORT TO THE SPANISH TECHNOLOGY PLATFORMS:



Satellite Communications*



Wireless Communications *



Networked Electronic Media *



Security and Trust



eInclusion, eHealth and Ageing Well



Convergence towards the Internet of the Future.

* Mirror platform at european level

SECTORIAL PLATFORMS:

AETIC GIVES SECRETARIAL SUPPORT TO THE SPANISH TECHNOLOGY PLATFORMS:

Technology Platform for Tourism*

In collaboration with :

ITH (Instituto Tecnológico Hotelero), **Polibienestar** y **SEGITTUR**



Spanish Technology Platform for Water and Irrigation*

In collaboration with :

AFRE (Asociación de Fabricantes de Riego Español)
AEAS (Asociación Española de Abastecimiento de Agua y Saneamiento)
ATTA (Asociación Tecnológica para el Tratamiento del Agua)



* Supported by the Ministry of Science and Technology

SECRETARY



+ The **Secretary** of **AETIC**:

- Is **open and unbiased**
- Has **relationship with** administrations, companies, technological centres, universities and promoting institutions of R&D
- Gives the right to express an opinion to every agent but the Industry has the major weight.
- Mobilise a **critical RTD mass**

SOME FIGURES :



307 entities



276 entities



241 entities



132 entities

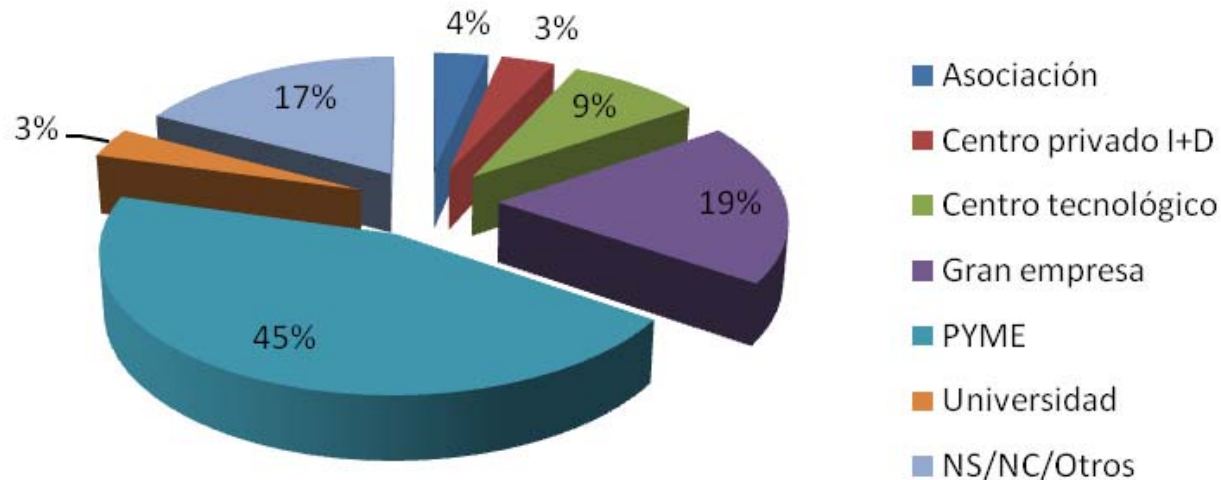


388 entities



304 entities

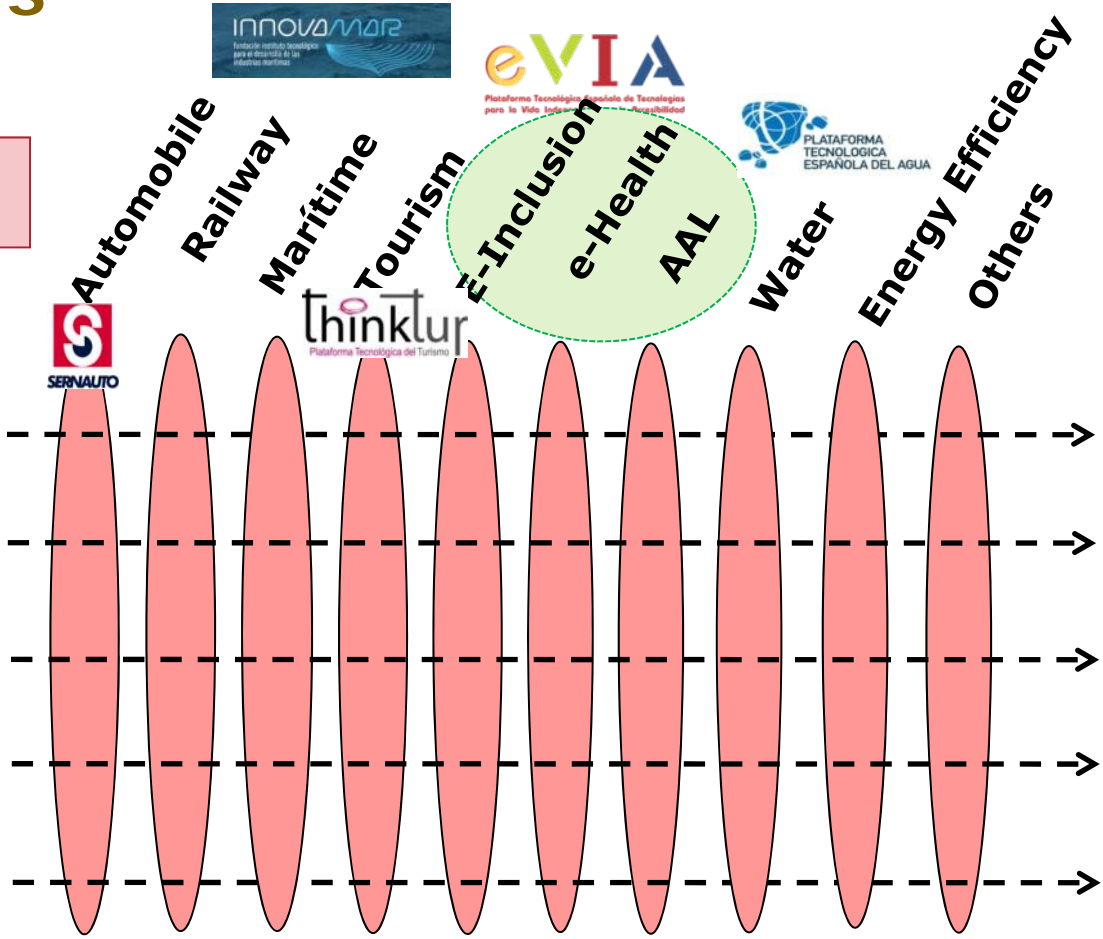
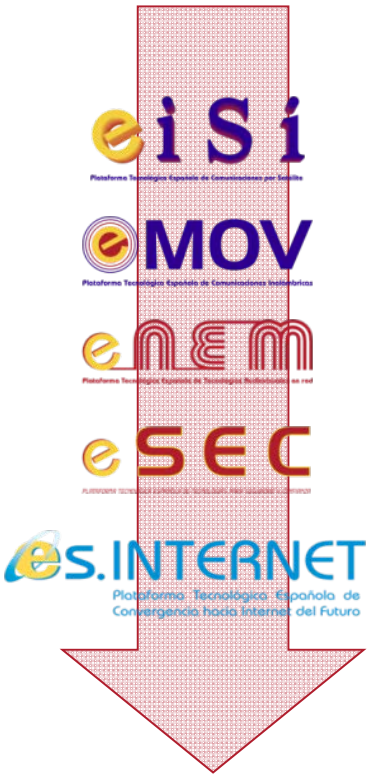
Total: 600 entities



- + The three last years the platforms managed by AETIC have raised more than **75 million Euros** in collaborative projects.
- + The companies don't have to be associated in AETIC.

MARKETS

ICT Horizontal Platforms













More information in www.idi.aetic.es

The ICT sector demonstrates the ability to enable competitiveness and sustainability in other sectors










Focus of the ICT Platforms towards Markets Intersection with Sectorial Technological Platforms/WORKING GROUPS



EXAMPLES OF NATIONALS R&D PROJECTS I :

PROYECTO	LIDER	MIEMBROS	PROGRAMA	PRESUPUESTO	PLATAFORMA
SESAMO	THALES	15	PROFIT 2006	7,6 M€	 <small>Plataforma Tecnológica Española de Comunicaciones por Satélite</small>
mCIUDAD	TELEFONICA	16	PROFIT 2006	5,9 M€	 <small>Plataforma Tecnológica Española de Comunicaciones Inalámbricas</small>
SEGURIDAD 2020	ISDEFE	21	PROFIT 2006	3,7 M€	 <small>Plataforma Tecnológica Española de Tecnologías para Seguridad y Defensa</small>
FURIA	ABERTIS TELECOM	25	PROFIT 2006	9,6 M€	 <small>Plataforma Tecnológica Española de Tecnologías de Redes de Datos</small>
Plataforma E2E RM	SDAE	15	PROFIT 2007	5,8 M€	 <small>Plataforma Tecnológica Española de Tecnologías de Redes de Datos</small>
CINNEO	MICROGENESIS	10	PROFIT 2007	0,7 M€	 <small>Plataforma Tecnológica Española de Tecnologías de Redes de Datos</small>
ELISA	VICOMTECH	15	PROFIT 2007	6,1 M€	 <small>Plataforma Tecnológica Española de Comunicaciones Inalámbricas</small>
mVIA	TELEFONICA I+D	10	PROFIT 2007	9,3 M€	 <small>Plataforma Tecnológica Española de Comunicaciones Inalámbricas</small>
MOVISAT	THALES	11	PROFIT 2007	6,8 M€	 <small>Plataforma Tecnológica Española de Comunicaciones por Satélite</small>
IDENTICA	TELVENT	14	PROFIT 2007	6,5 M€	 <small>Plataforma Tecnológica Española de Tecnologías para Seguridad y Defensa</small>

EXAMPLES OF R&D PROJECTS II:

PROYECTO	LIDER	MIEMBROS	PROGRAMA	PRESUPUESTO	PLATAFORMA
INTEGRA	TELVENT	15	CENIT 2007	28,5 M€	
GLOBE	TELVENT	14	7PM 2007	1 M€	
TRATAMIENTO 2.0	INDRA	16	AVANZA I+D 2008	7,9 M€	
CISVI	GRUPO GESFOR	13	AVANZA I+D 2008	1,1 M€	
MEDIATUR	VILAU MEDIA	13	AVANZA I+D 2008	4 M€	
WIMSAT	HyC	11	AVANZA I+D 2008	8,9 M€	
eCID	INDRA	17	AVANZA I+D 2009	2,9 M€	
AV-MOV	DOMINION	13	AVANZA I+D 2009	1,8 M€	
evMIC	INDRA	13	AVANZA I+D 2009	1,6 M€	
TOTAL				119,7 M€	

PROJECT MANAGEMENT OFFICE

- Many projects of **strategical national scope** are launched within the **Spanish Technological platforms**.
- It is mandatory for these projects to have a **Project Management Office**
- **AETIC offers this service for the consortiums interested:**
 - **Managed directly by AETIC**, in cooperation with the Secretaries of the Plataforms.
 - **Economic-Administrative Office**: in collaboration with **Grupo SCA**, consulting company with experience in economic and administrative management of R&D projects.
 - **Intellectual Property Rights Office** : In collaboration with **Clarke, Modet & Cº**

These services have a fee which AETIC receives through the Project Management Office.

INTERNATIONAL CONTEXT OF AETIC

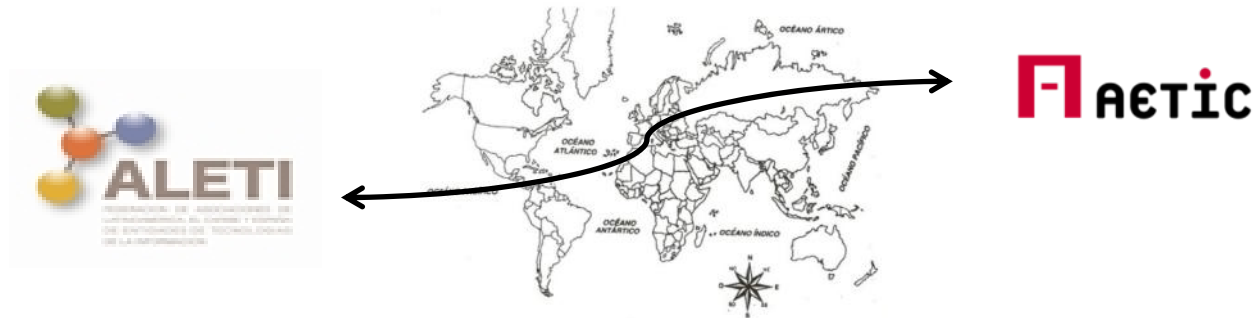


APROTECH INTERNATIONAL CONTEXT

- **Creation of APROTECH:** February 2003
- **Institutional supports:** Ministerio de Industria, Turismo y Comercio (Ministry of Industry, Tourism and Trade). AproTECH has also the support of the Spanish Centre for Technology and Industrial Development, CDTI.
- **AIMS:** Promotion of effective participation of the companies in the electronic, IT and telecommunication industry in:
 - R&D European programmes with special attention to the 7th Framework Programme and the Programme for the Innovation and Competitiveness, CIP
 - Other international programmes such us: EUREKA, EUROSTARS, IBEROEKA.
- **OUTCOME:** AproTECH has provided support for more than 390 proposals from which 740 companies have benefited with a global investment of more than €722 million and €424 million of funding.

LATIN AMERICAN TECHNOLOGY PLATFORMS

- Since long time AETIC has been working in establishing a network of cooperation with Latin America **in terms of innovation. AETIC is member of ALETI (Federation for Latin America and the Caribbean on Information Technology Entities)**



- The investment in Latin America in R&D is unfortunately very poor. So far the participation of Latin-American projects in the Framework Programmes specially ICT and Iberoeaka projects has been very low.
- Spain as a historical partner of Latin America, has an excellent chance to **exchange our experience with these nations by setting the model of platforms**
- Such three countries Brasil, Mexico and Chile, have been selected as starting point due to their strategic situation.



EXAMPLES OF THIS COOPERATION: FP7 PROJECTS LATIN AMERICA



SALA + PROJECT: An initiative endorsed by the European Commission aimed at supporting the development of R&D cooperation between Europe and Latin America in the Networked and Electronic Media sector.



SALA3D : is a Support Action (SA) aimed at fostering the cooperation between the European and **Colombian - Uruguayan** researchers in the field of contents-awareness networks, network-awareness applications and 3D Media Internet through the alignment of research priorities between the Colombian – Uruguayan and European R&D programmes.



EUROPEAN COMMISSION



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AETIC

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Tecnologías de la Información
y Telecomunicaciones de España