European Perspective on RFID

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Information Society and Media

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OUTLINE

RFID European Commission Inter-service working group

International collaboration

European Research on RFID

Topics of RFID discussion in Europe

Next Steps

RFID European Commission
Inter-service working group

Teaming forces – RFID Inter-service working group

Representatives of 12 Directorates-General of the European Commission

Objectives:

Horizontal co-ordination of activities on RFID in the European Commission

Co-operation with national authorities and standardisation bodies

Provision of ground for international co-operation

International collaboration

Active engagement in international exchanges

Contacts with DoC (US) RFID Working Group

EU-US Information Society Dialogue (20/12/05)

Informal US-EC Discussions on RFID, (09/05)

USDoC workshop: RFID Technology and Industry perspectives (4/6/05)

Wider international exchanges

EU-China Information Society project, (01/06)

OECD/ICCP RFID Forum in Paris, (10/05)

Trans-atlantic consumer dialog, (04/05)
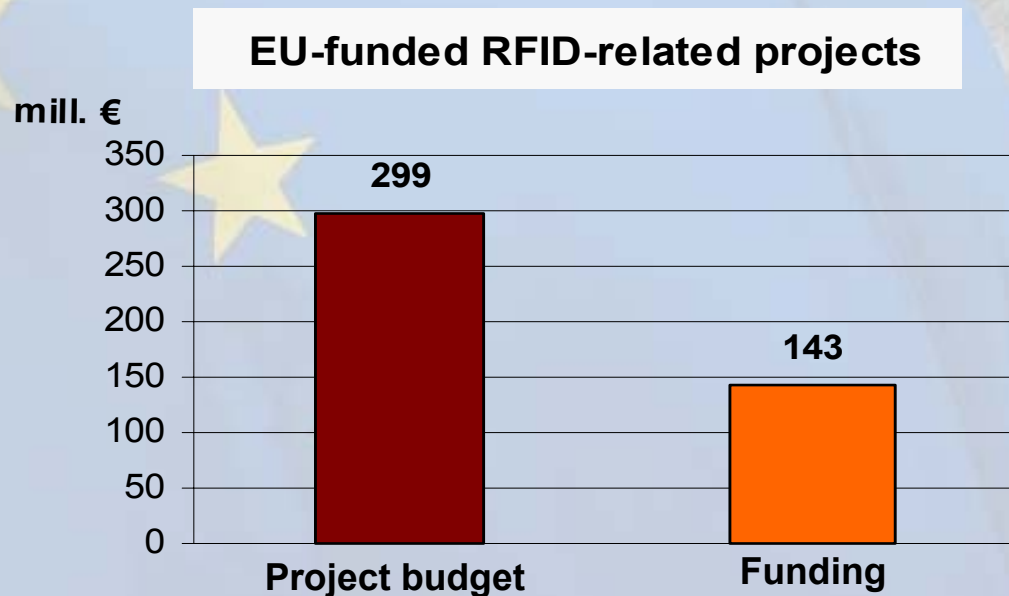
European Research on RFID

European research implemented by multi-annual 'framework programmes'

Specific theme: Information Society Technologies

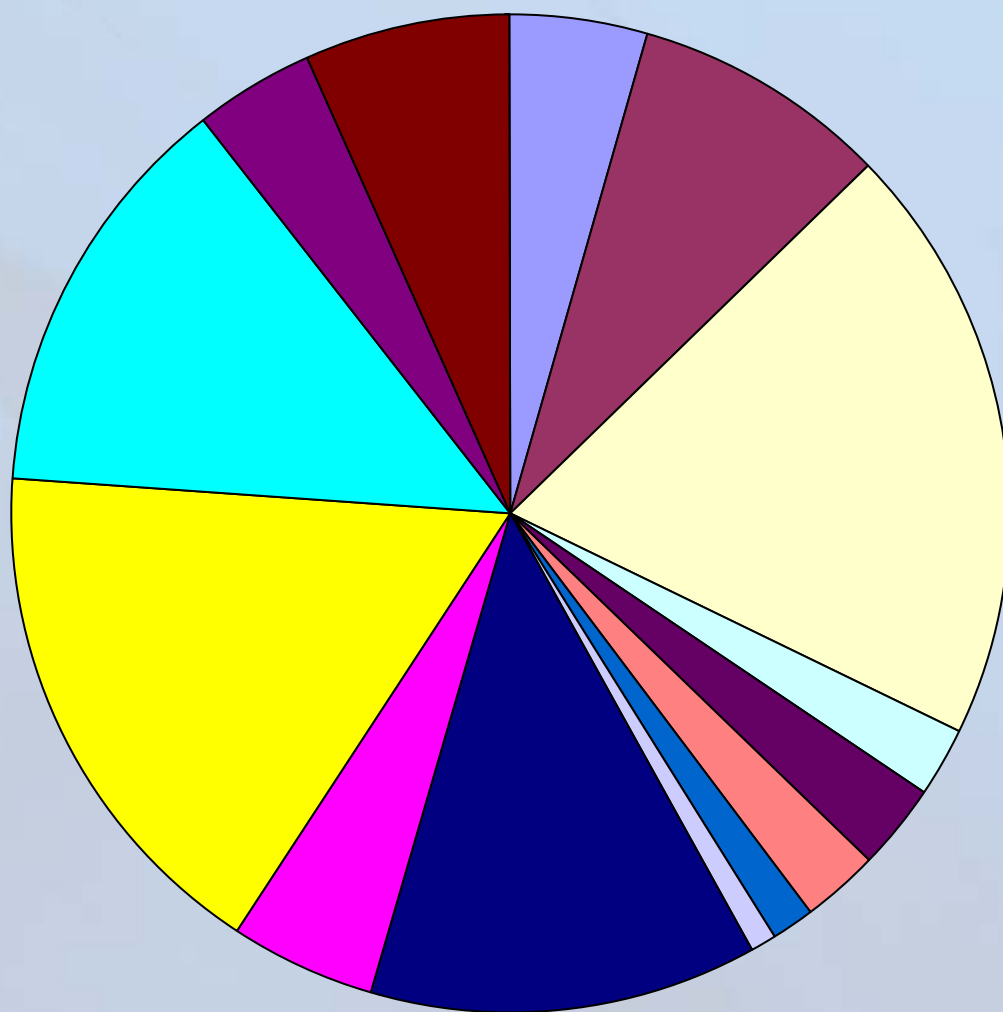6th Framework Programme (2002-2006) - 20 projects

5th Framework Programme (1998-2002) - 17 projects

4th Framework Programme (1994-1998) - 1 project

EU-funded RFID-related projects

mill. €

Total for Framework programmes 4-6 (1995-2005)

European Research on RFID – areas of research

Legend:
- Access autho., doc. authent., routing contr.
- Product life cycle applications
- SCM and manuf. applications
- Counterfeiting, pharmaceut., drug pedigree
- Mobile handset apps.
- IPR protection
- eGovernment
- Justice, Liberty and Freedom
- Transport and logistics
- organic electronics and organic RFID devices
- smart sensors and actuators with RFID devices
- technological hurdles of the existing silicon based RFID
- network of intelligent objects; fundamental new systems
- 'Internet of Things'

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Topics of RFID discussion in Europe

RFID applications in various sectors

    Supply Chain, Logistics, Product life-cycle, Health, eInclusion, …

Research and development

    Tag/reader hardware, Smart sensors, SW applications, Nano materials

Interoperability and standards

    Frequencies, Data structures, Tag interrogation, …

Radio spectrum

    EU-wide spectrum, Global spectrum

RFID governance

    Rules and procedures, competition, robustness (Object Naming Services, Discovery Services, …)

Protection of Personal Data and Privacy

    Privacy and data protection, Security issues around RFID

Other policy issues

    IPR free standards, intellectual property rights, international trade, health, environment, identity theft, ethical aspects of RFID implants, labour practices, …

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European Research on RFID – examples

Product life-cycle Management and Information Tracking - PROMISE

Product life-cycle models, Knowledge management over entire life-cycle, 11 demonstrators

Application development, technological development, training activities

RFID solutions for the global environment - BRIDGE

Deployment of EPCglobal applications in Europe (7 sectors)

Business clusters, technical development, horizontal activities

Prevention of counterfeiting of products - STOP

Business and technology models for RFID based anti-counterfeiting solutions

Business scenarios, application development, standards deployment

Traceability of livestock

Unique animal identification

Technology development, application development

Next Steps

Invitation to participate in Framework Programme 7 definition:

From RFID to the Internet of Things

Ambient Intelligence Technologies to enhance the Product Lifecycle

March 6 – 7, 2006
Borchette conference centre - Brussels

February 27, 2006
Av. de Beaulieu 33 - Brussels

Web page: http://www.cordis.lu/ist/audiovisual/
neweve/e/conf6-70306/conf6-70306.htm