

> The EUREKA Initiative

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Brussels

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EUREKA in Europe

- The EUREKA Initiative
- ERA and the Framework Programme
- Eurostars
- Position EUREKA in the ERA
- Prospects for future R&D

The EUREKA Initiative is...

- > Focussed on Industrial RTD
 - > Intergovernmental
 - > Nationally financed
 - > Market oriented
 - > Bottom up!

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Nationally financed

Financing for EUREKA projects comes from two main sources:

- National public sources
(national research and innovation funds)
- Investment by industry in R&D

Market oriented

- EUREKA addresses applied - not fundamental - research projects
- The result of a EUREKA project must be a marketable product, process or service

Bottom up

The EUREKA project consortium decides:

- > the way a project comes together
- > the end result

The consortium is close to the market, so can be flexible and respond quickly to market change.

38 members

Austria
Belgium
Croatia
Cyprus
Czech Republic
Denmark

Estonia
European Union
Finland
France
Germany
Greece
Hungary
Iceland
Ireland
Israel

Italy
Latvia
Lithuania
Luxembourg
Malta
Monaco
The Netherlands
Norway
Poland
Portugal
Romania

Russia
San Marino
Serbia & Montenegro
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
Ukraine
United Kingdom

National Information Points (NIP)

Albania Bulgaria

Associated Country

Morocco

- EUREKA members
- EUREKA NIP countries
- EUREKA Chairmanship*
- EUREKA Associated Country

** Italy holds the Chairmanship of EUREKA from July 2006 to June 2007, followed by Slovenia*

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The past is history



- Established in 1985
- An initiative of French President Mitterrand and German Chancellor Kohl
- 18 countries and the European Union

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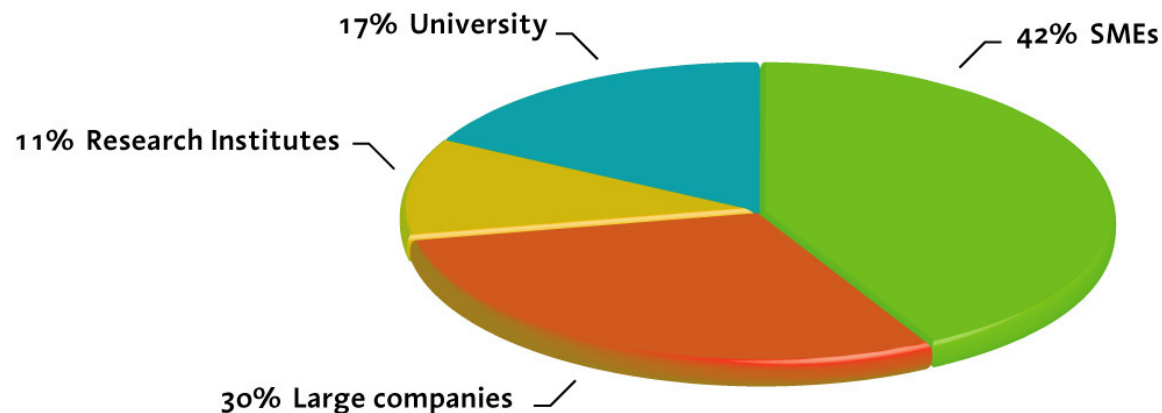


Some statistics

Since 1985, **23 billion euro** of public-private investment has been mobilised to support some **2,000 EUREKA projects**

Who participates in EUREKA projects?

**Nearly 12,000 partners from across
Europe – and beyond**

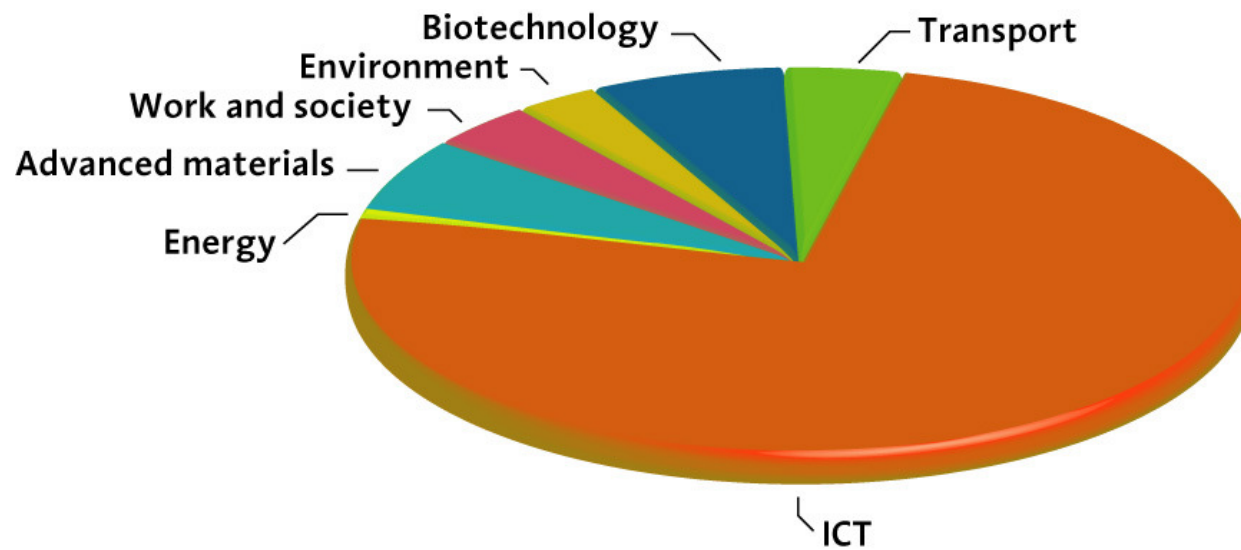


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In what technologies can EUREKA projects be found?

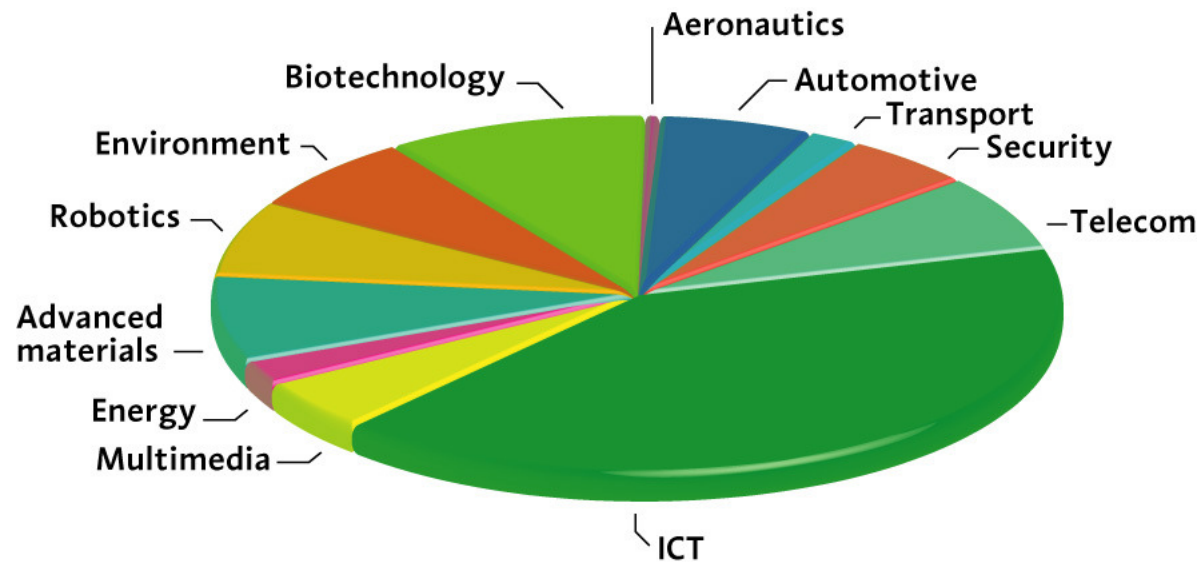


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Which markets benefit from the technologies developed?



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The two pillars of EUREKA

1. Strategic initiatives
2. Individual projects

1. Strategic initiatives

Three categories:

- a. Clusters
- b. Umbrellas
- c. Eurostars

Clusters

- Long-term, strategically-significant initiatives
- Large number of participants, many from Europe's major companies (eg Philips, Infineon)
- Develop generic technologies of key importance for European competitiveness

Clusters

CATRENE

ITEA2

CELTIC

Micro-/nano-electronics

Software-intensive
systems

Telecommunications

EURIPIDES

Micro-system
technologies,

Packaging &
Interconnection

EUROGIA

Sustainable & safe
energy

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Umbrellas

- Thematic network of public authorities and sectoral experts
- Their objective is the generation of EUREKA projects
- Fields of activity: manufacturing, logistics, food & feed, digital content ...

Umbrellas

FACTORY

Production technologies

EUROENVIRON

Environmental R&D

EUROAGRI+

Agriculture, food and feed

EUROTOURISM

IT-Technologies for tourism

LOGCHAIN+

Freight chains and logistics

EULASNET II

Laser & optics applications

ECONTEC

Digital content

INNOFISK

Innovative aquaculture

ENIWEP

Industrial wear prevention

EUREKABUILD

Construction technology

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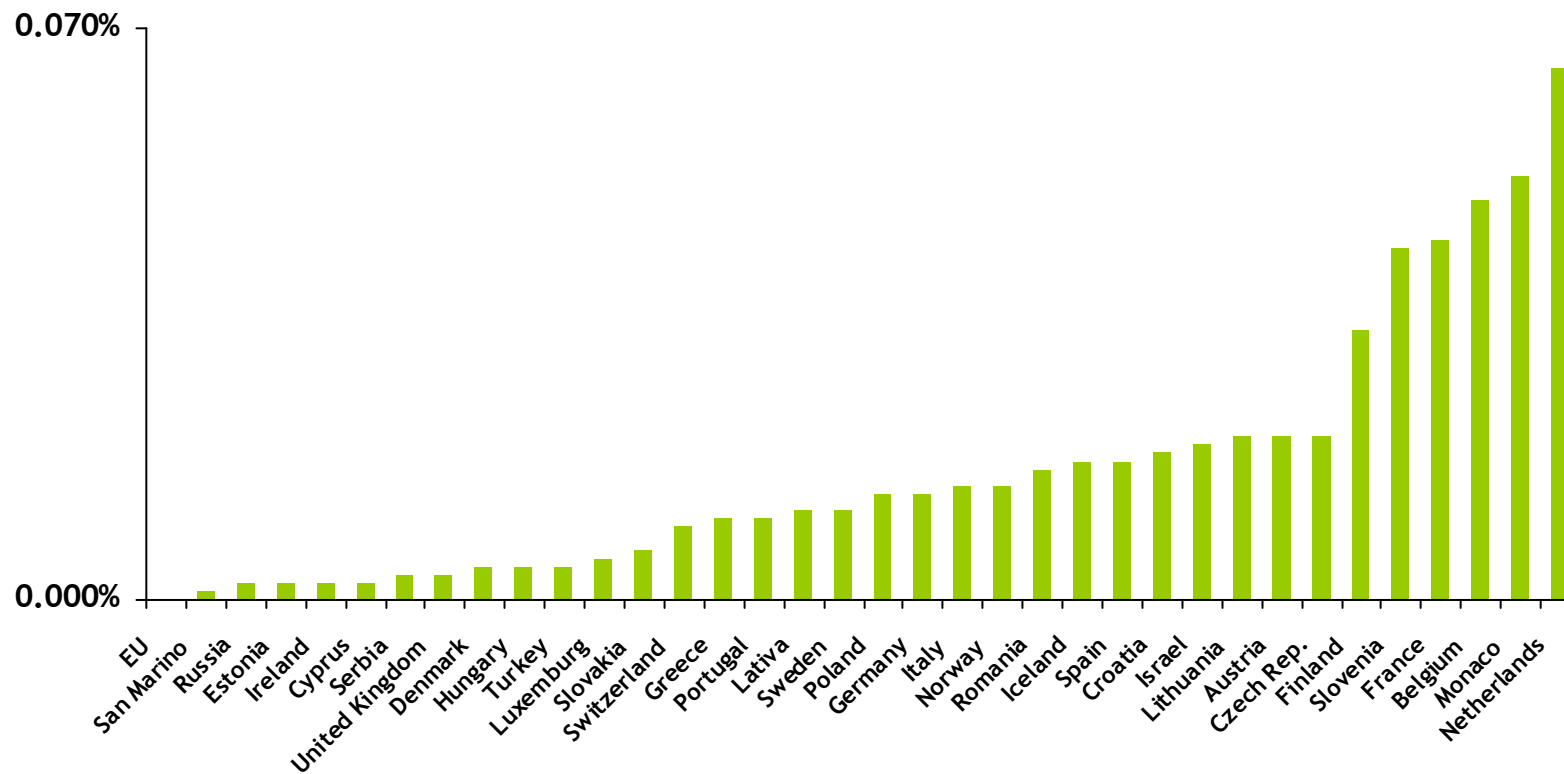
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Individual projects

- Small, short-term projects
- Ready-to-market results
- Involve participants from at least two member countries
- Result in a product, process or service representing a significant advance in their sector

National spend on EUREKA projects in relation to GDP



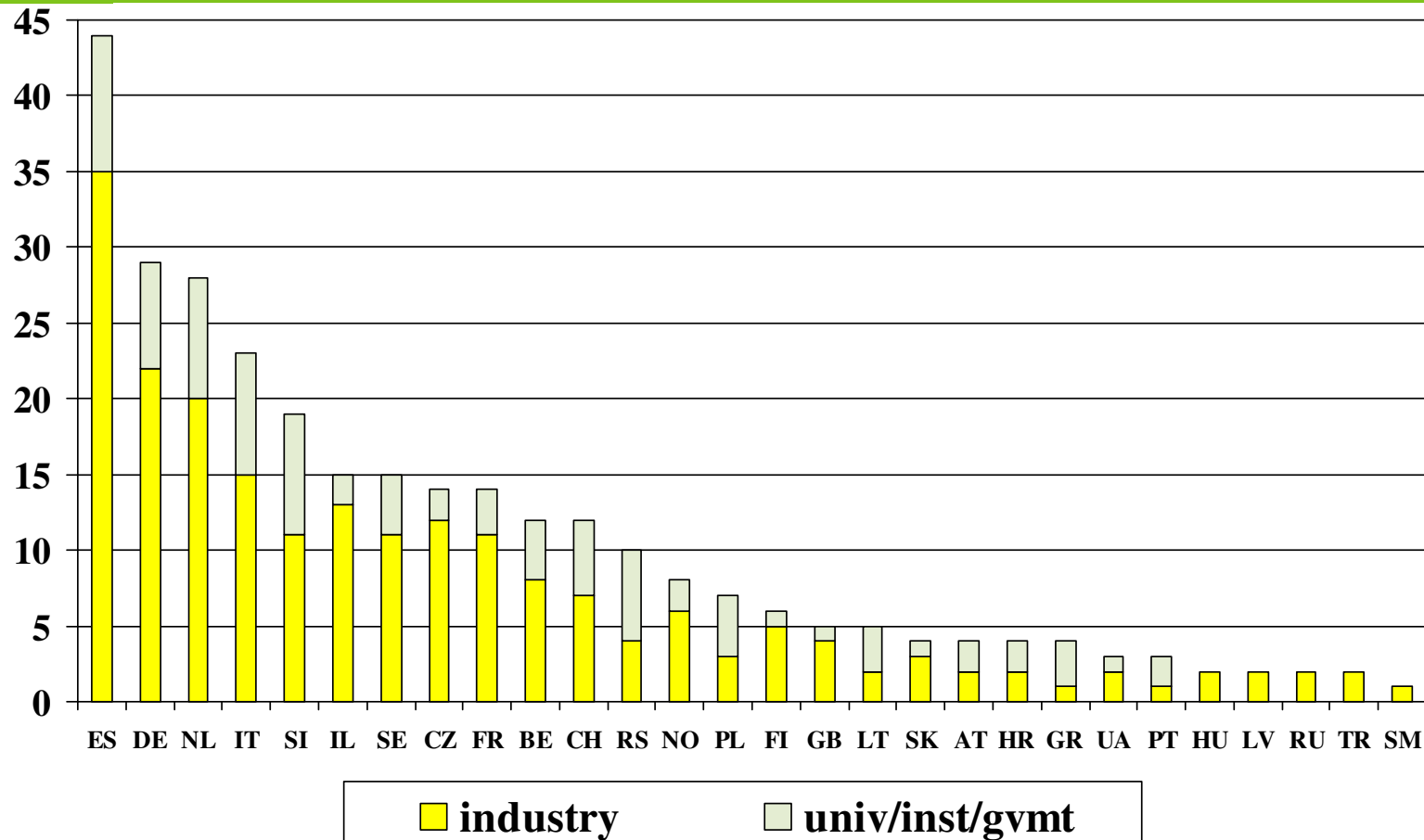
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Number of organisations by member

(Slovenian Chair, 2nd round, cumulative)



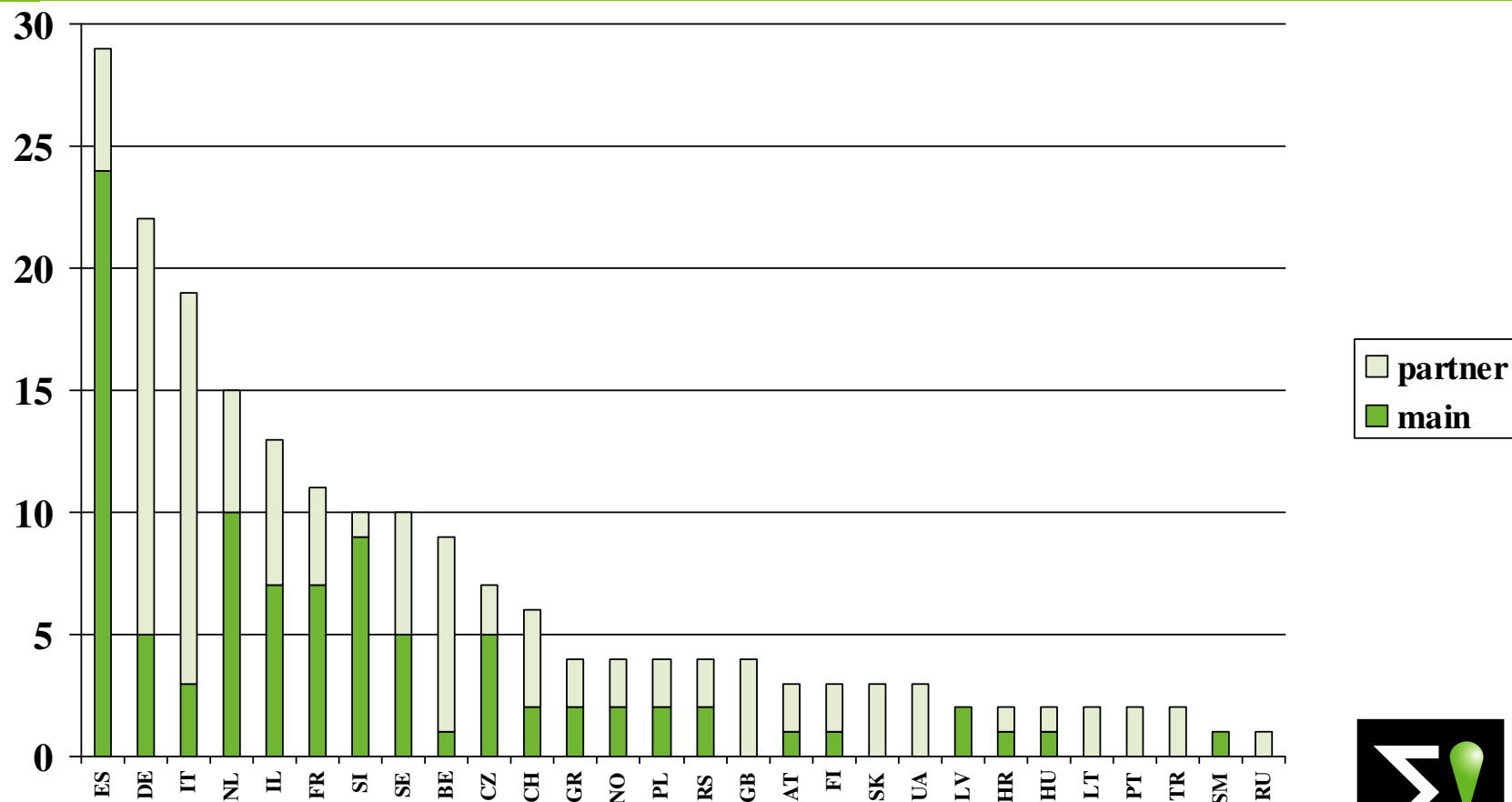
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Number of participations by member

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EUREKA

- Approximately 200 new projects a year
- Approximately 700 projects in the portfolio
- Valued at approximately 1,4 billion euro (Traditional) projects
 - Umbrella
 - Cluster and cluster projects
- Eurostars adds approximately $200 * 1,5$ million per year = little less than 1 billion to portfolio

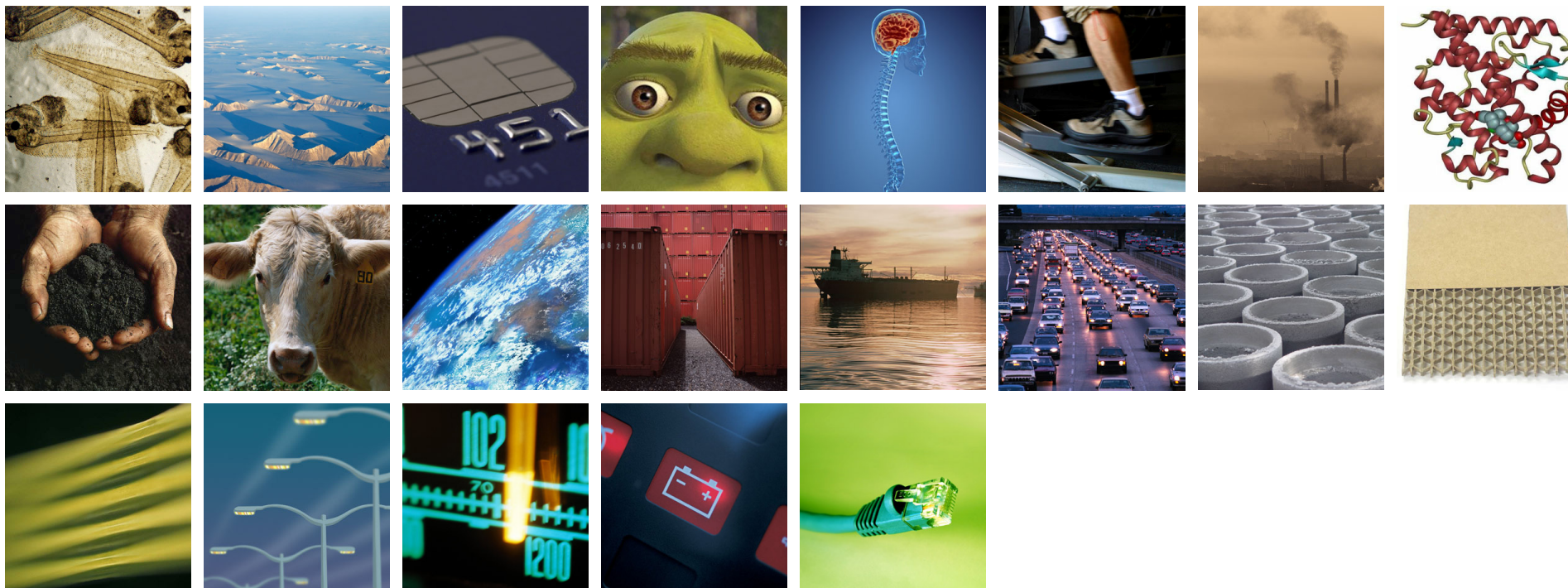
EUREKA results

Additional turnover and jobs created

- 30 % exploited results in the market upon project completion
- Ratio of R&D costs/additional turnover: 57% upon completion and 219% within 3 years
- €1 of subsidy generates €13-53 of add
- 900 new jobs created and > 1,700 expected

From: Annual Impact Report 2005
(Final Reports from 678 participants in 328 projects, finished between 2001-2005)

A few success stories



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Eureka Strategic Initiatives

- Clusters
 - Europe's leading industries involved
 - Roadmaps for key areas
 - Generate projects through calls for proposals
- Umbrellas
 - Thematic networks for European SMEs
- Individual Projects
- Eurostars Joint Programme

The new funding scheme for R&D performing SMEs



eurostars

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Ingredients Eurostars

- **Combination:**
 - National programmes (financial, critical mass)
 - The CEC FP7 (financial incentive)
 - The Eureka Network and Procedures and access to companies (SMEs)

Added Value Eurostars Programme

- Strong market orientation
 - Economic potential separately assessed
- Short time to market
 - Short lead time projects
 - Small consortia (1-3)
- Co-funding European Community

Why Eurostars?

- No specific European support for R&D performing SMEs and:
 - CRAFT is an outsourcing programme, not for R&D performing SMEs, lengthy procedures...
 - Eureka conditions, and call procedures unpredictable, no money...
 - National instruments are by definition not European...

The Eurostars Programme

- A joint programme with EUREKA and the European Community
- 28 countries committed so far
- Estimated budget: 400 million euro
- A target of 560 projects for 6 years
- First cut-off date 8th of February 2008
- Second cut-off date in November 2008

R&D-performing SMEs?

start-ups and existing companies

- EU definition for SME applies:
- plus:
 - *10% R&D activities in terms of employment or turnover*

The Eurostars programme will ...

- support *R&D-performing SMEs* to:
 - conduct market-oriented research,
 - perform the core research and to exploit the results
 - shorten “time-to-market”
 - be in the driving seat
- support *National Funding Agencies* to align national programmes

Expectations per Year

- 65 million Euro available budget
- 90-100 projects
- 1.5 million euro average total cost per project
- 1-3 SME partners per project

Other developments

- ERA Net
 - Thematic, Eurostransbio, MINT etc
 - None thematic, ERA SME
- National Initiatives
 - Hightech-SME-initiative
 - Pole de competitivite
 - Regional initiatives like industrial clusters

Opportunities for co-operation!

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Funding Principles Eurostars

- Contribution from Eurostars fixed percentage of actual payment of national programme to Eurostars project
- To be used very flexible to:
 - Increase funding of participant
 - Fund more Eurostars participants

Common International Evaluation Criteria

- **Basic Assessment**
 - Project structure,
 - partners and management
- **Technology and Innovation**
 - Technological risks
 - achievements envisaged
- **Market and Competitiveness**
 - Market potential
 - Business aspects,

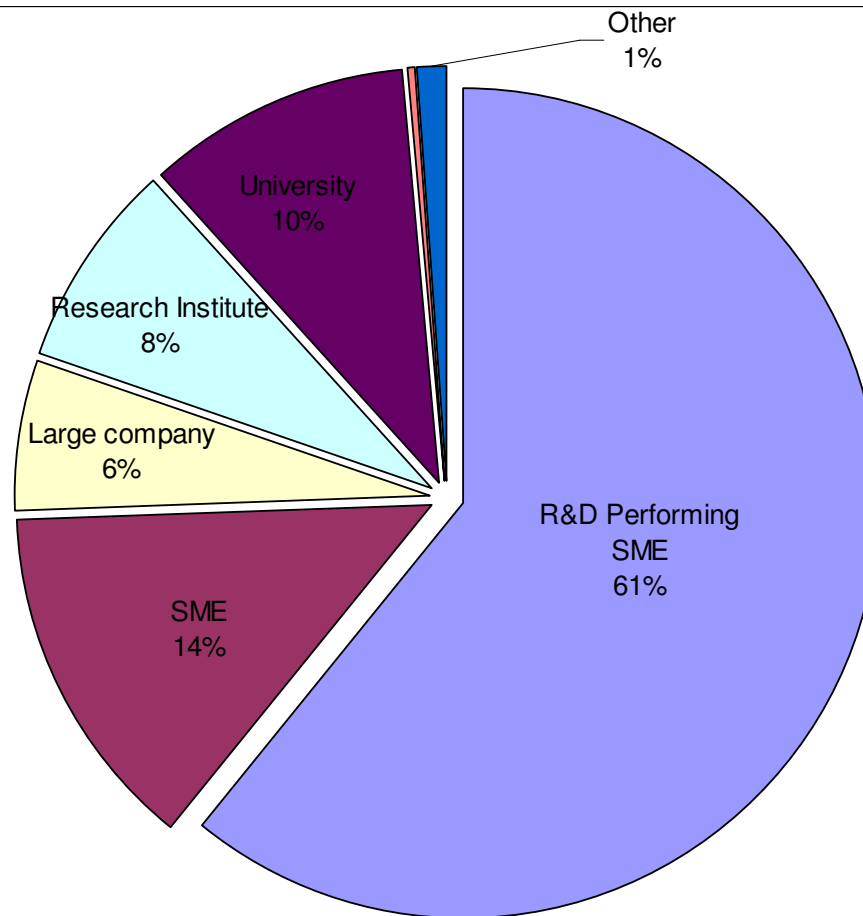
Added value over EUREKA

- Central 2 step evaluation
 - Assessment (technical merits)
 - Ranking (economic potential)
- Secured funding for partners
- Co-financing by the European Community
- Harmonised/synchronized calls and procedures

Overall Results

Number of Applications	202
Total applications Cost	292 M€
Average applications Cost	1.45 M€
Total of Participants	643
Average Participants per application	3.2
Average Countries per application	2.4
Average Duration (months)	28

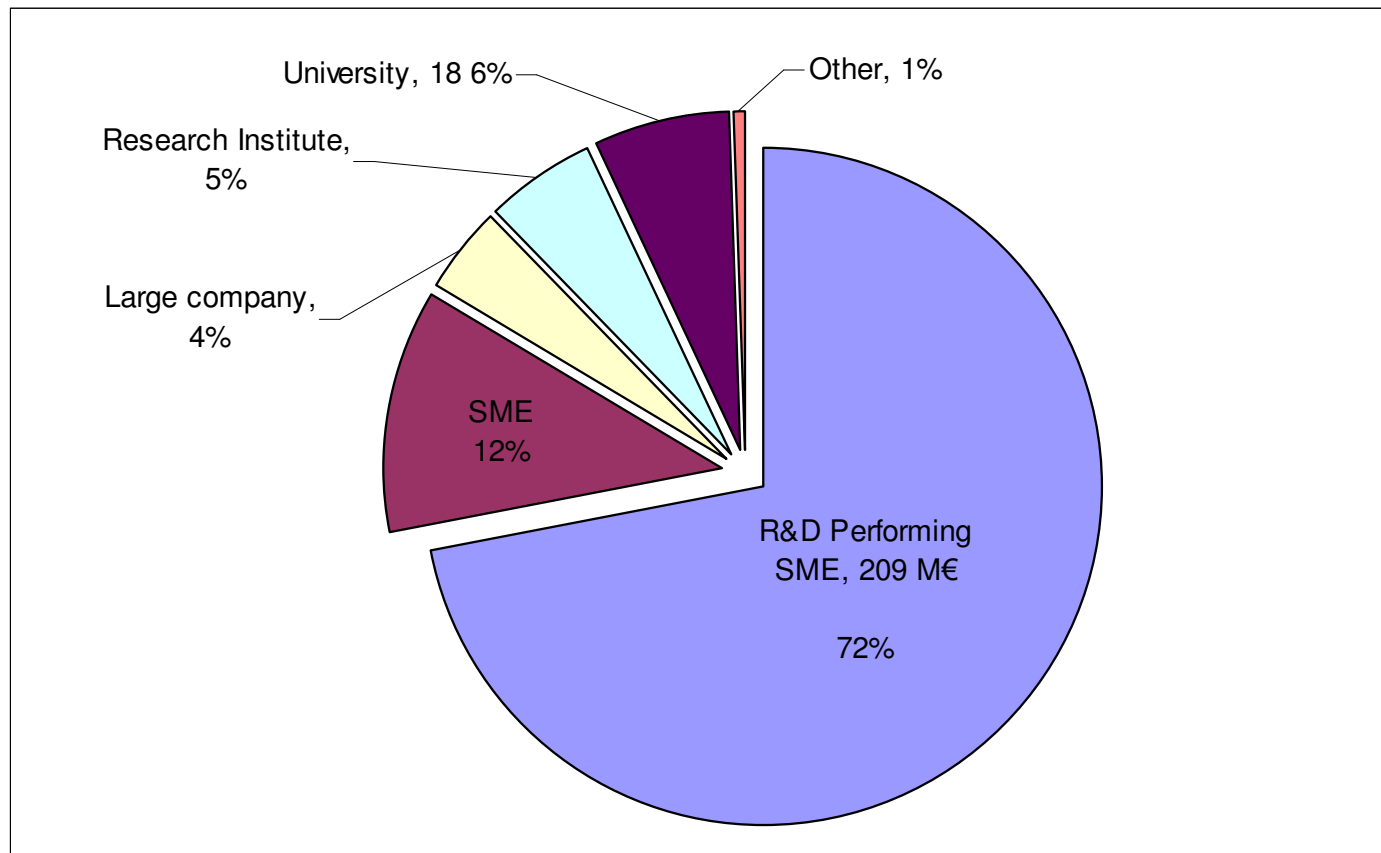
Type of Participants *(per # participants)*



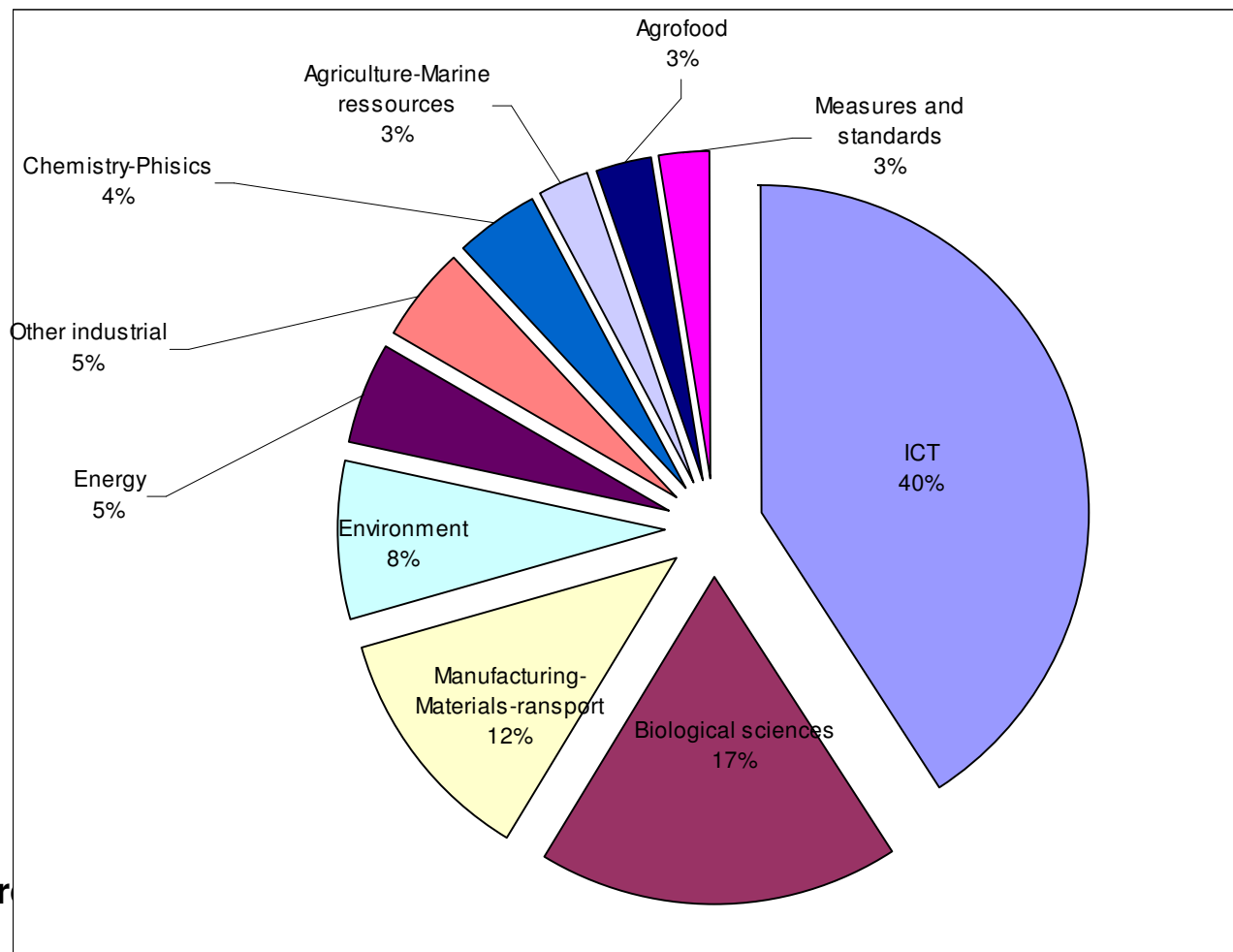
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Type of Participants *(per M€)*



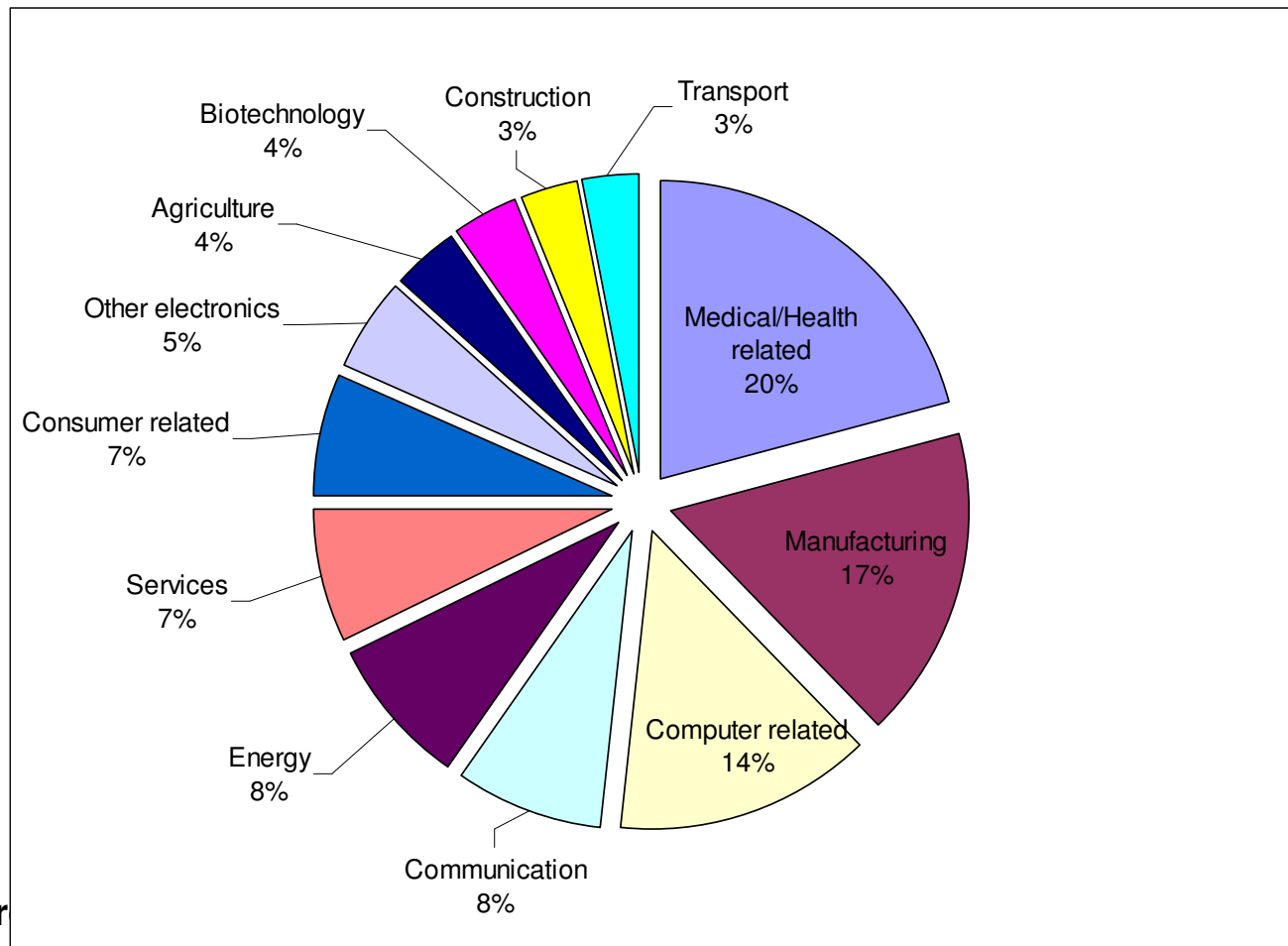
Technological Areas *(per # applications)*



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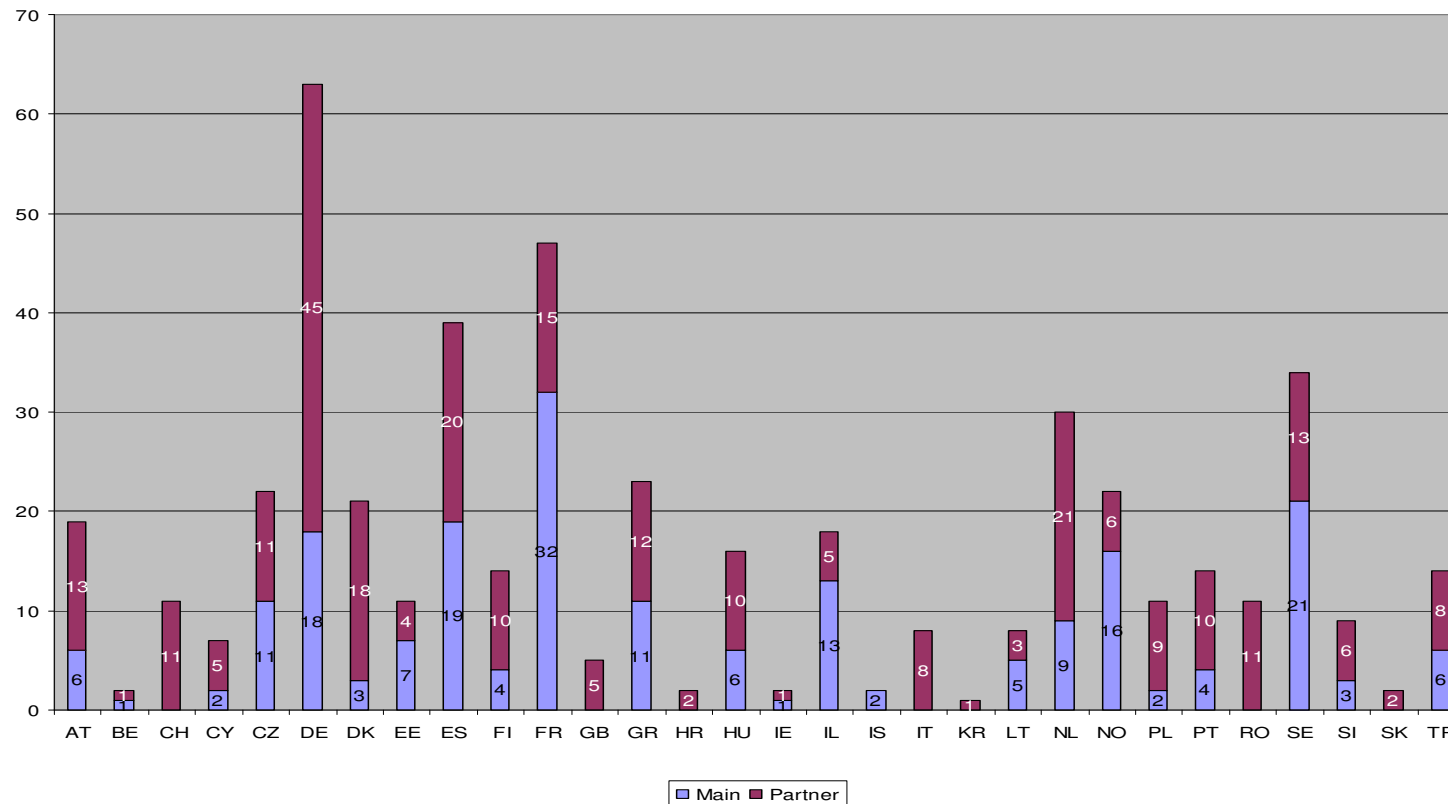
Market Areas *(per # applications)*



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Applications by Countries

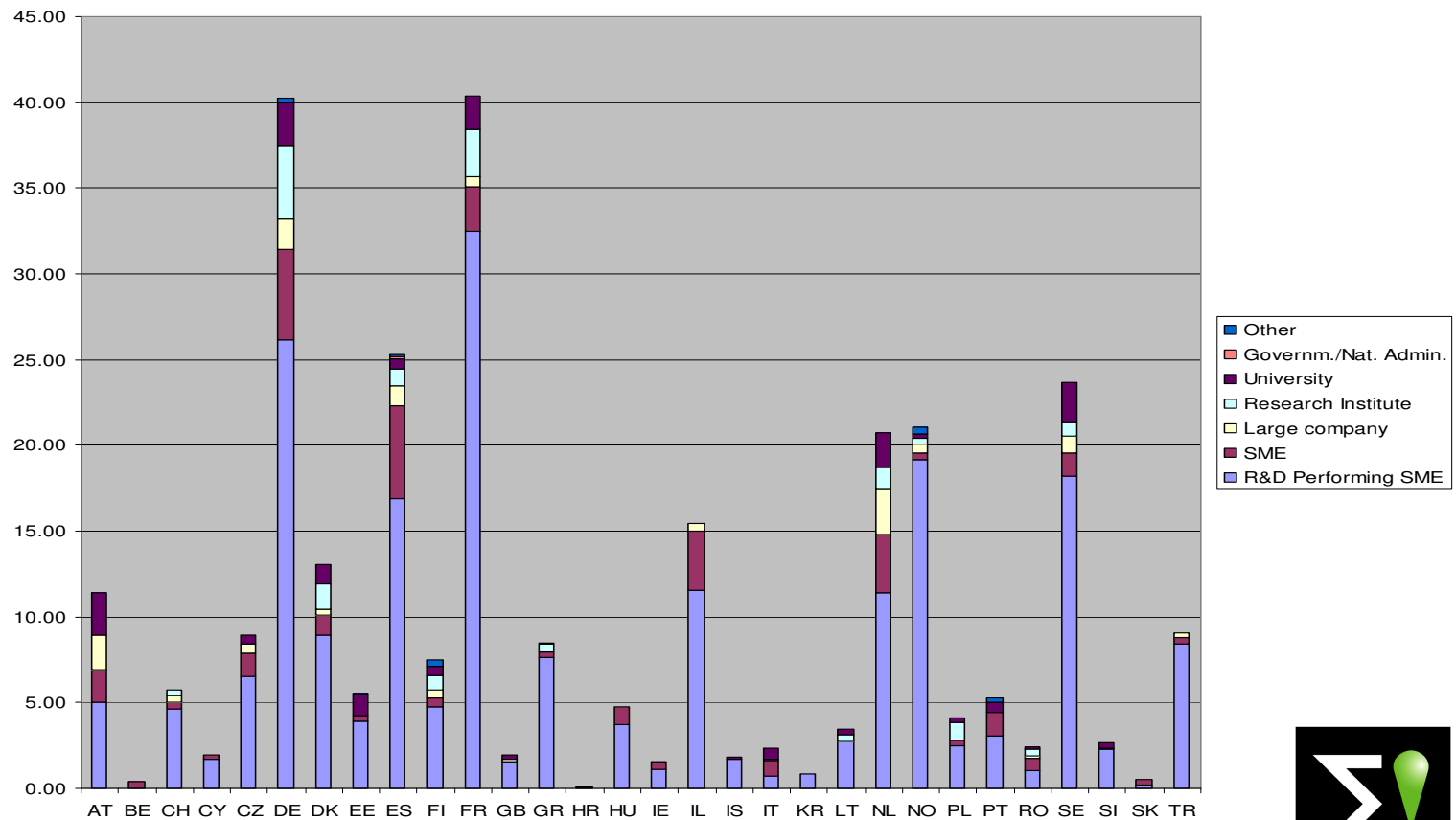


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Total Contribution (M€)



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The Framework Programme

- From 1.2 billion to 50 billion
- Themes:
 - ERA, ERC, EIT, JTI, ETPs
 - Subsidiarity
 - Limited but free funds
 - Excellence,
 - Joint with private
 - Joint with National



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EU R&D, overview

- 1952 ECSC treaty, first projects started
- 1957 Euratom Treaty, Joint research centre
- 1983 Esprit Programme
- 1984 First Framework Programme (joint funding)
- 1987 European Single Act, Science becomes a community responsibility, Second Framework Programme (joint projects)
- 1990 Third Framework Programme (joint projects economic objectives)
- 1993 Treaty on the European Union, role RTD
- 1994 Fourth Framework Programme (Valorisation, benefit for society)
- 1998 Fifth Framework Programme (specified themes and objectives)
- 2000 European Research Area
- 2002 Sixth Framework Programme (support for strategic research)
- 2007 Launching of the Seventh Framework Programme (Lisbon pressure)

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EUREKA in the ERA

- European Research Area
 - Free movement of knowledge, researchers
 - Coordination of national programmes
 - ERC and large infrastructures
- Lisbon Agenda (2000)
 - Competitiveness through R&D
 - Combine National Programmes!
 - Represent 90% of R&D funding
- Barcelona Objectives (2002)
 - 3% research of EU GDP and 2/3 Private
- Leverage effect EUREKA
 - Industry involved
 - Participation national programmes
 - Market oriented

Future Perspectives, ERA

- EC, Excellence, Brightest minds on the toughest challenges!
 - Combine Large Research Infrastructures, CERN, ITER, Polar Research,
 - EIT (like MIT)
 - European Technology Platforms ETP
 - Strategic research JTI's with EUREKA clusters
- Increasing Funds for RTD by the European Commission
 - Need for outsourcing
 - Budget support
 - Reducing Administrative burden CEC
 - Using National, Regional infrastructures



Thank you for listening

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