



*When Innovation Means Business!*

Research Money, Ottawa May 12th 2011

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Head of the EUREKA Secretariat

# EUREKA - What is it ?

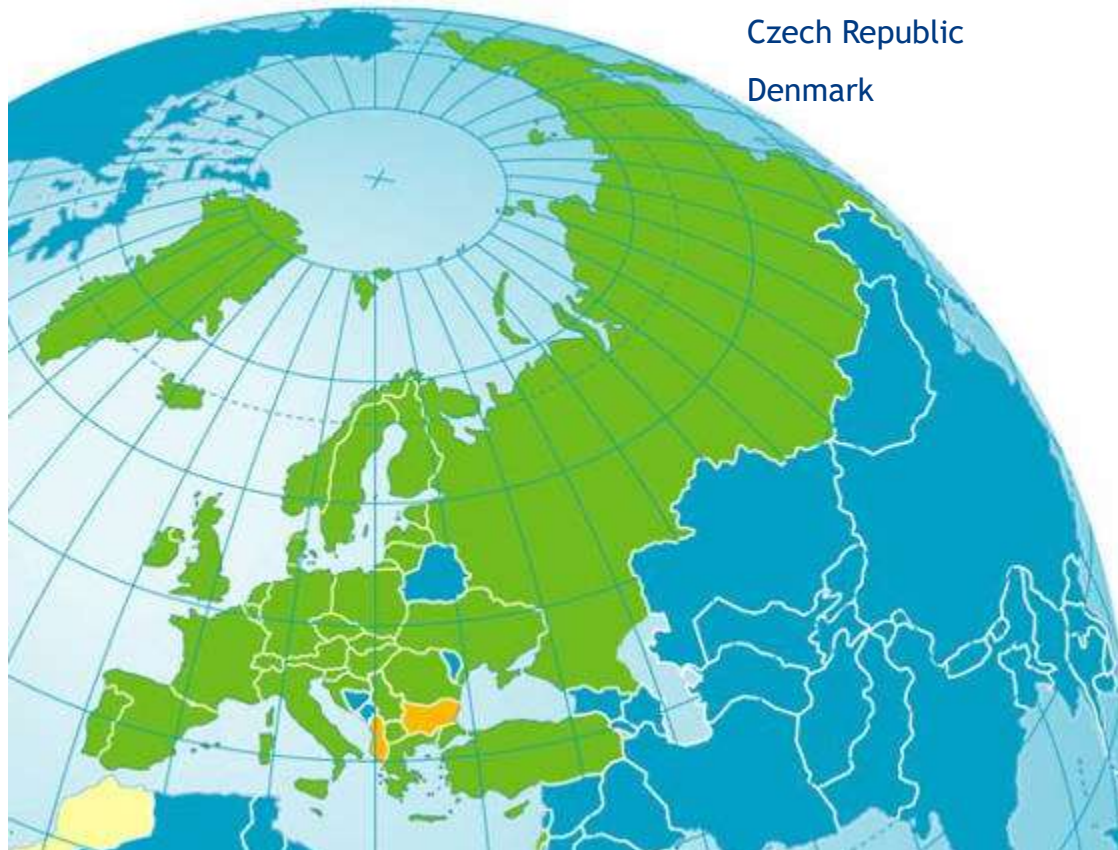
- > > EUREKA is a public network supporting R&D businesses
- > > Established in 1985 by French President Mitterrand and German Chancellor Kohl

## EUREKA is :

- Intergovernmental initiative  
*(40 Members - EU 27, European Commission + 12 other European countries)*
- Financed using national public and private funding
- Market-oriented  
*(Projects must result in a marketable product, process or service)*
- Bottom-up  
*(The consortium decides on the project aim. No thematic restriction)*

# EUREKA member countries

> 3



Austria

Belgium

Bulgaria

Croatia

Cyprus

Czech Republic

Denmark

Estonia

European Union

Finland

France

FYROM

Germany

Greece

Hungary

Iceland

Ireland

Israel

Italy

Latvia

Lithuania

Luxembourg

Malta

Monaco

The Netherlands

Norway

Poland

Portugal

Romania

Russian Federation

San Marino

Serbia

Slovakia

Slovenia

Spain

Sweden

Switzerland

Turkey

Ukraine

United Kingdom

# EUREKA Programmes

> EUREKA supports three types of projects

- > **Cluster Project**
  -       
  - > Medium-term, strategically-significant initiatives
  - > Large number of participants, many from Europe's major companies
  - > Develop generic technologies of key importance to European competitiveness

- > **Individual Projects (E!1782; E!1784...)** 
- > Small, shorter-term projects
- > Involve participants from at least two member countries
- > Result in a product, process or service with a significant advance in their sector

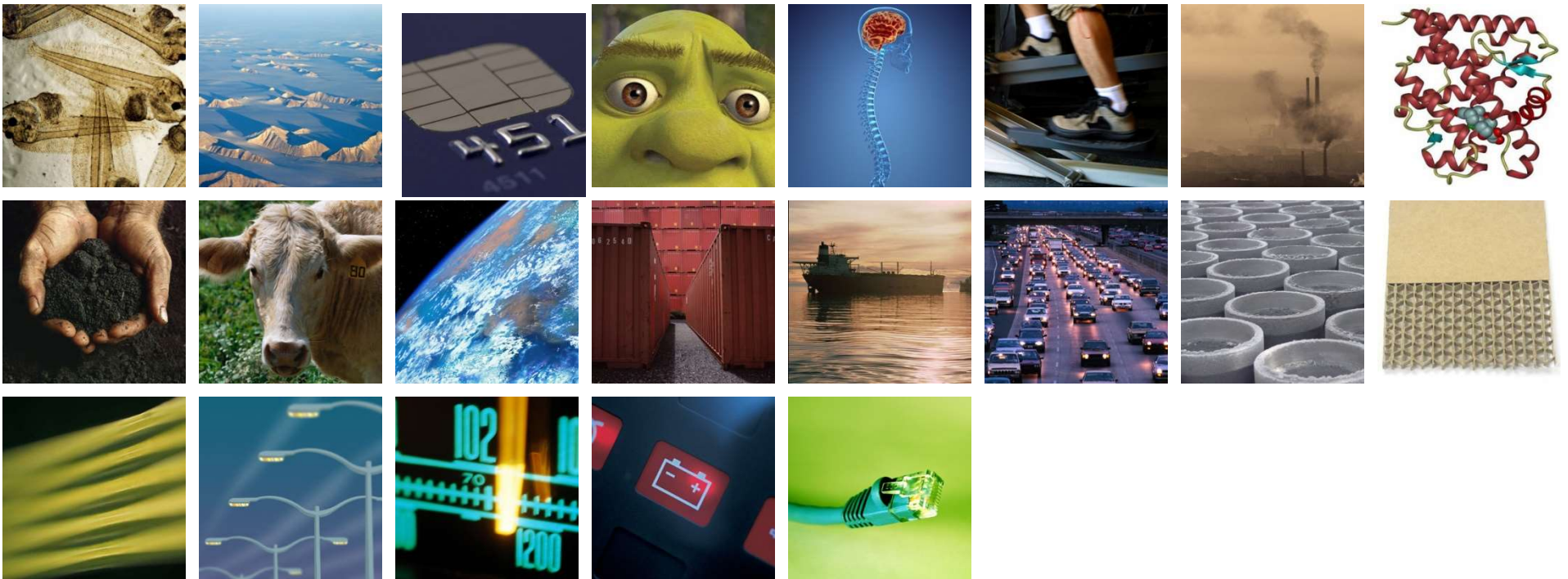
- > **Eurostars Projects** 
- > Small, short-term projects, involving participants from at least two member countries
- > Consortium leader is an R&D-performing SME
- > Programmed jointly with the European Commission

## Doing business through technology

- > Umbrellas; thematic network of public authorities and sectoral experts

# Success stories

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Doing business through technology



And the Oscar® goes to...

**EUREKA**  
project  
E! 1683  
FILM SPECIAL EFFECTS



The Oscar® for special effects was the ultimate reward for the film 'The Golden Compass', and for the Eureka partners who developed the software for such realistic special effects.



[www.iameureka.eu](http://www.iameureka.eu)

Doing business through technology

## Bringing life to your living room.



We've already brought you HDTV. Now, EUREKA partners are developing the technology to introduce 3DTV to your home, pushing the experience of lifelike entertainment to a new level. Coming soon to a living room near you.

[www.iameureka.eu](http://www.iameureka.eu)

The European network for market-oriented industrial R&D and Innovation

**EUREKA**  
project  
MEDEA+  
2A207 Triton



Test this one, Jeremy!



EUREKA partners have developed an open software architecture that will enable the automotive industry to design safer, innovative cars faster and more cost-effectively. The result: a blueprint for the next generation of cutting-edge cars.

**EUREKA**  
project  
ITEA EAST-EEA  
EMBEDDED ELECTRONIC  
ARCHITECTURE FOR  
AUTOMOTIVES



[www.iameureka.eu](http://www.iameureka.eu)

The European network for market-oriented industrial R&D and Innovation

Doing business through technology



# EUREKA 1985 - 2010

	Individual Projects	Clusters	Eurostars	TOTAL
Number of Projects	3096	567	346	4009
Total Costs (M€)	7640	21047	512	29199
Average Costs	2.5	37	1.5	6.9
Average Members	2.8	4.4	2.4	3.2

From 1985 to 1999, took into consideration that projects above 20 M€ were Clusters type.  
Includes assumption for 2010

- Ø In 25 years, EUREKA has endorsed 4000 projects for a total value of 29 Billions euros
- Ø 3096 projects are Individual projects, 567 are Clusters type and 346 are Eurostars
- Ø 7.6 B€ for Individual projects, 21 B€ for Clusters and 0.5 B€ for Eurostars

# Trends in Europe (corporate)

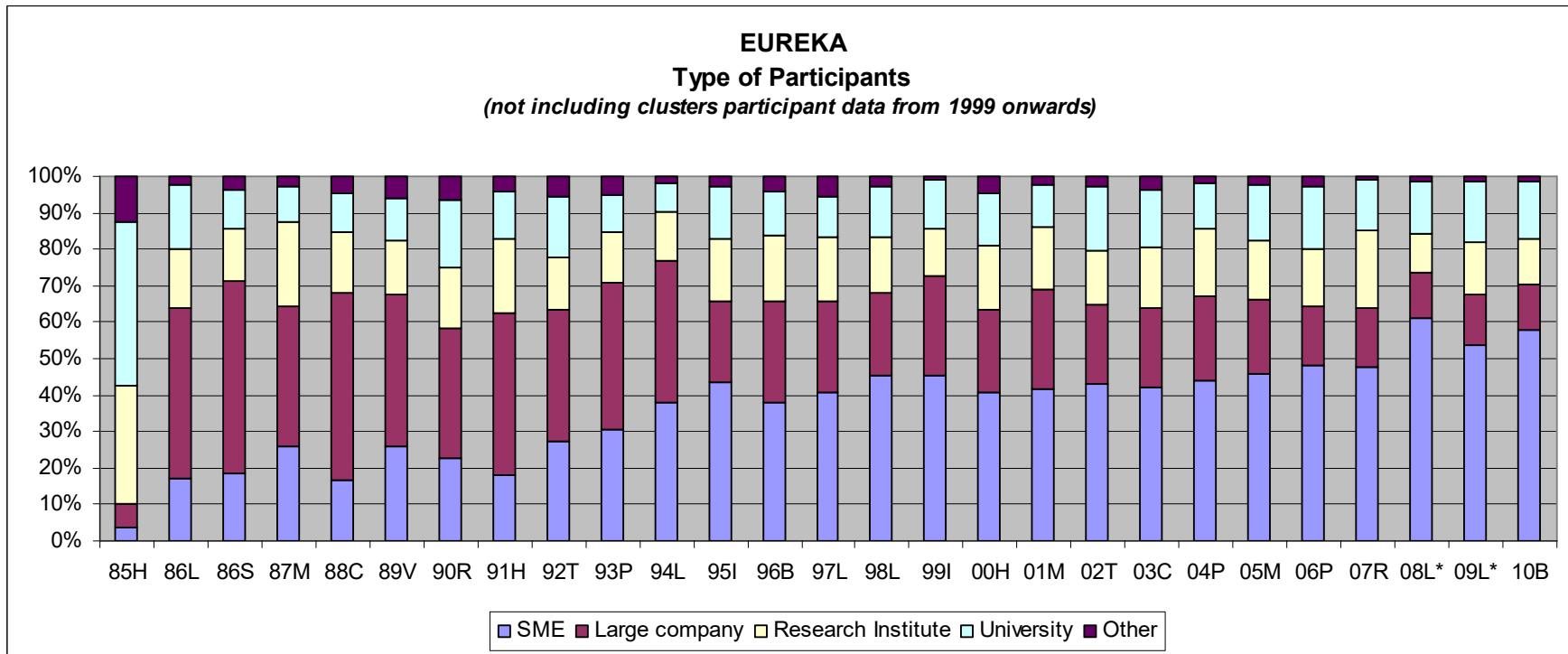
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1. More focus on Innovation/Entrepreneurship
2. Innovative based young companies provide growth
3. More focus on product development
4. International co-operation is a must
5. Outsourcing of research large companies
6. Growth of technology based start up companies
7. Open innovation

# Trends in Europe (governmental)

> 11

1. For governments there is less solidarity to implement a real common pot
2. Need for international programmes
3. Trend towards flexibility and simplicity
4. Fast track programmes with reduced time to contract
5. Less Grants, more Loans
6. Joint Programmes/Programming with or without EU
7. Huge focus on innovative SME



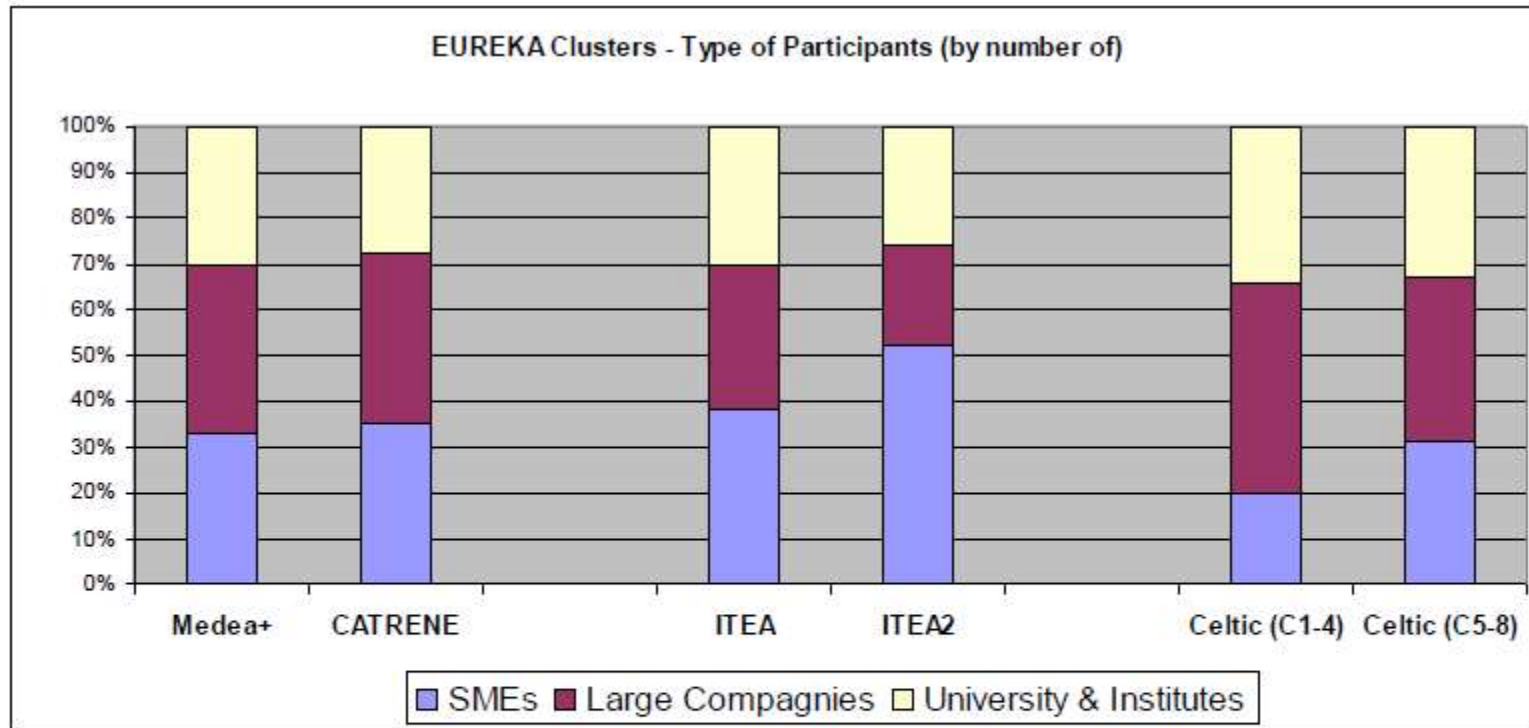
\*Includes Eurostars data

Assumption for 2010

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# Portfolio - Type of Participants



- SMEs represents 30% to 50% of EUREKA Clusters participant Today !
- Large companies represents 20% to 40%
- Research Institute and University participation is stable around 30%

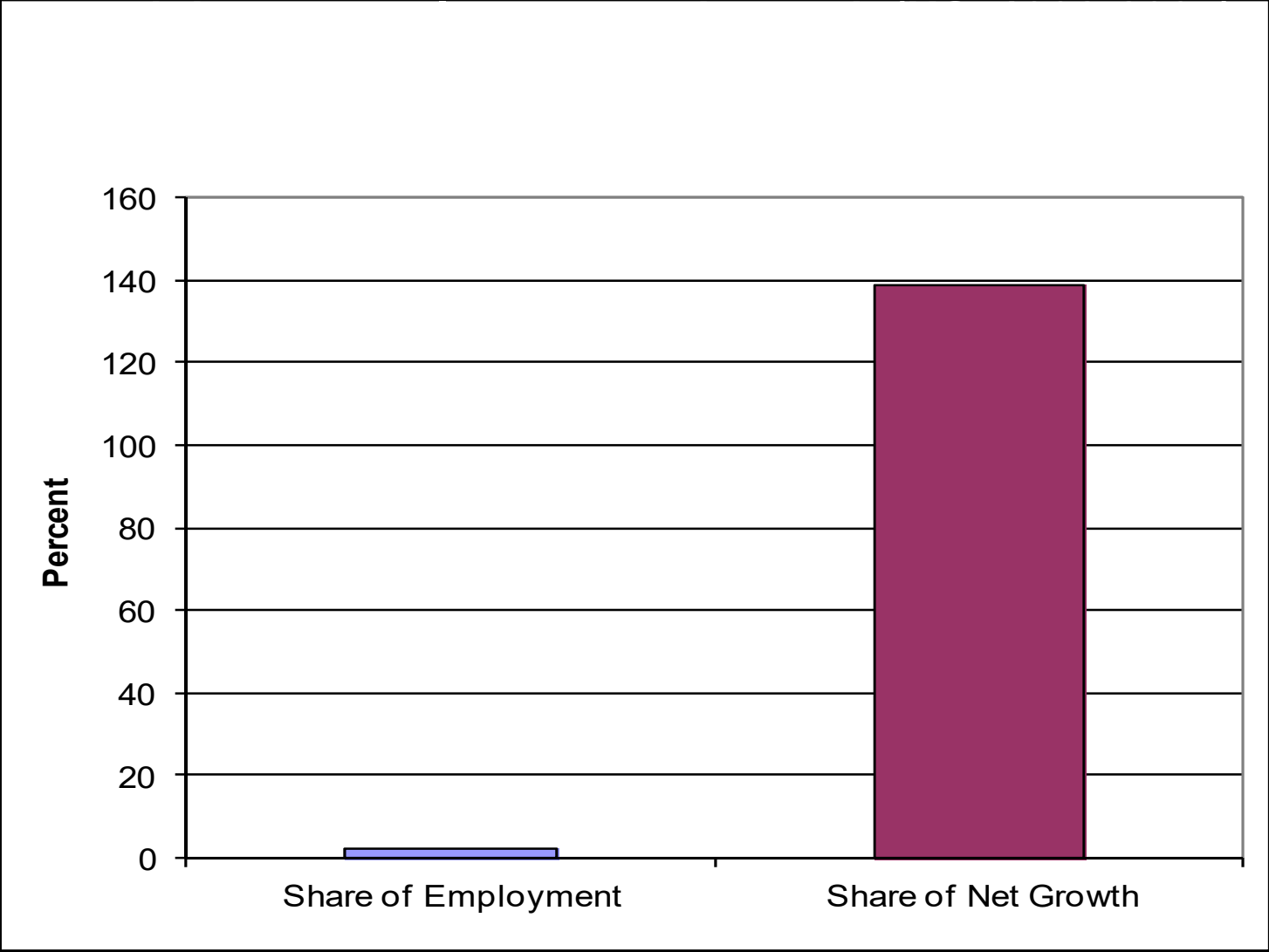
# EUREKA & FP7 Programmes

## Applications Submitted

	2008	2009	2010	TOTAL
<b>FP7 Reserach for SMEs</b>	592	673	669	1934
<b>Eurostars</b>	215	596	659	1470
	<i>1 cut off</i>	<i>2 cut offs</i>	<i>2 cut offs</i>	

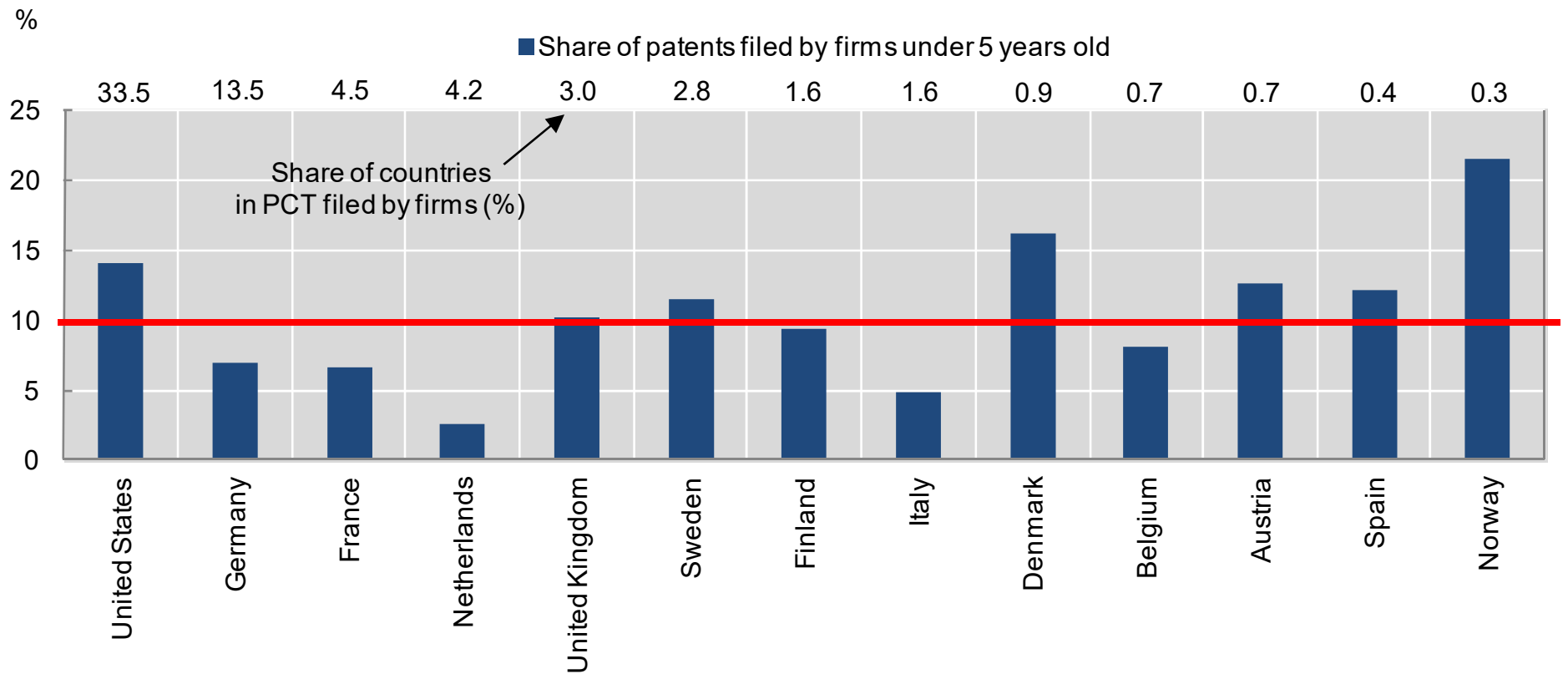
	Individual Projects (2008-10)	Clusters Projects	Eurostars	FP7 SMEs programme
Average Cost (M€)	1.6	20	1.4	1.4
Average Participants per projects	3.4	20	3.4	8
% SMEs	52%	35%	70%	68%

- Eurostars generates as many applications per year a
- Not enought data to compare Clusters and JTIs



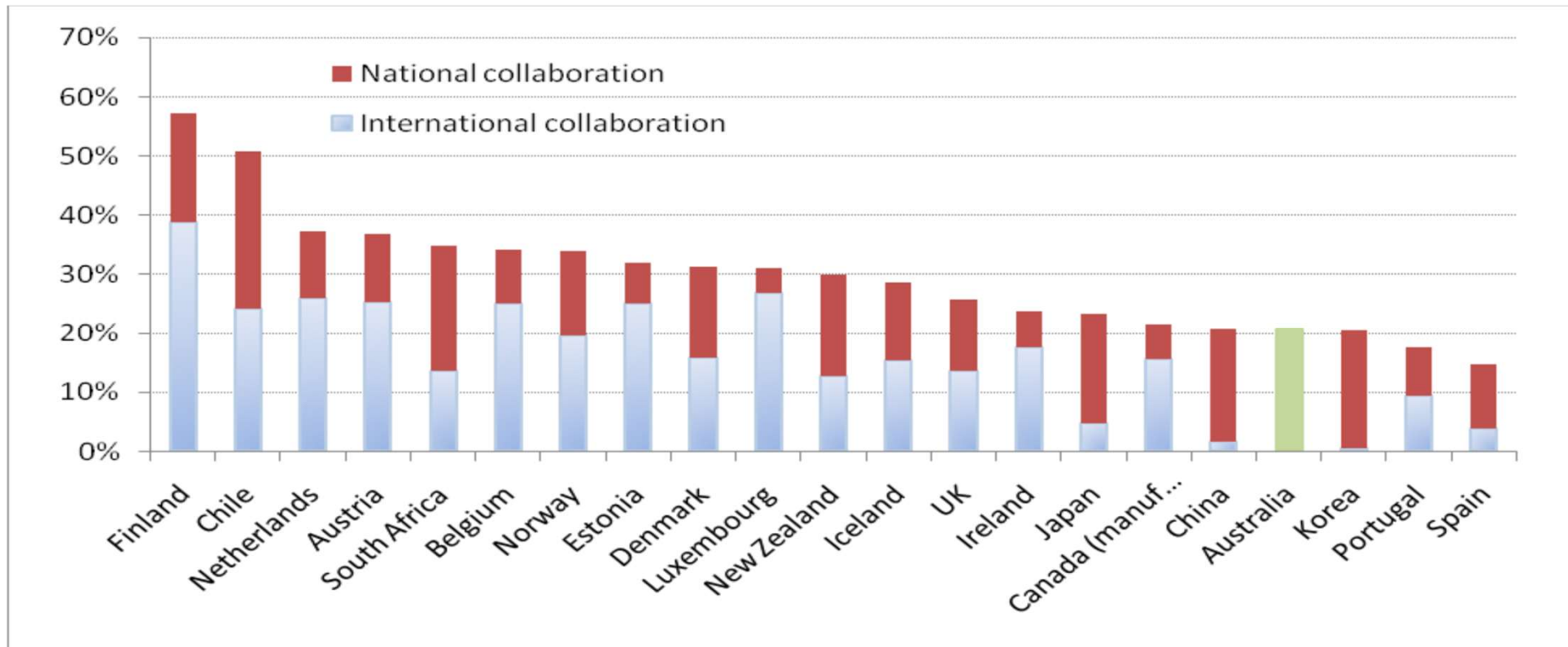
### Patenting activity of young (<5 years) firms, 2005-07

PCT patent filings by young firms as a percentage of filings by firms in each country





## Companies collaborating on innovation, as a percentage of all firms, 2004-2006

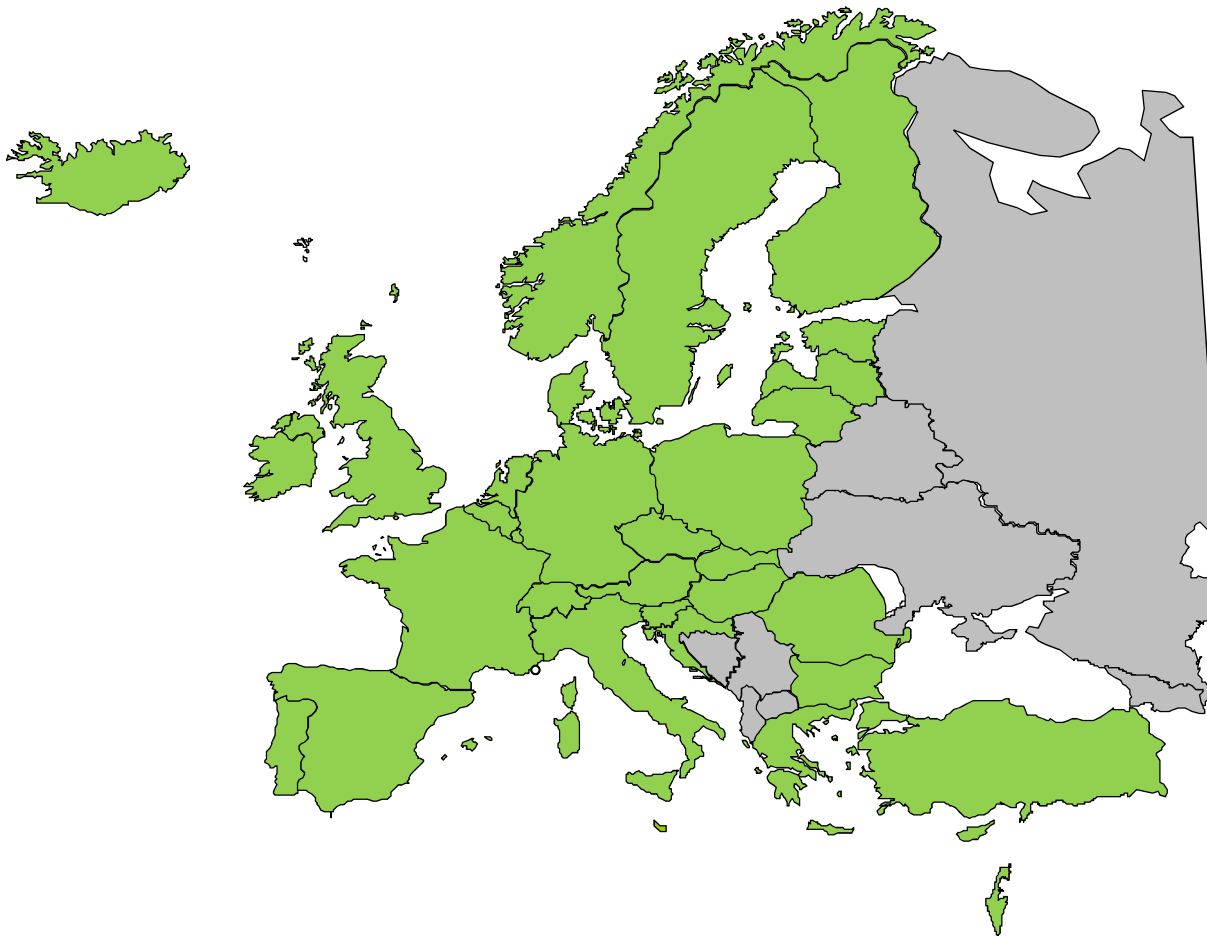


Source: OECD (2010), *Measuring Innovation: A New Perspective*, OECD Paris based on CIS and national sources.

- > “Eurostars Programme is the first European funding and support Programme to be specifically dedicated to R&D performing SMEs.”

It’s a multi-annual joint programme (2007-2013) between EUREKA and the European Communities, which combines:

- > National R&D programmes from 33 countries (EUREKA Members) *(300 M€ committed)*
- > FP7 *(up to 100 M€ committed)*
- > EUREKA Secretariat *(25 years of experience in national R&D programmes coordination)*



- |                |                 |
|----------------|-----------------|
| Austria        | Italy           |
| Belgium        | Latvia          |
| Bulgaria       | Lithuania       |
| Croatia        | Luxembourg      |
| Cyprus         | Malta           |
| Czech Republic | The Netherlands |
| Denmark        | Norway          |
| Estonia        | Poland          |
| Finland        | Portugal        |
| France         | Romania         |
| Germany        | Slovakia        |
| Greece         | Slovenia        |
| Hungary        | Spain           |
| Iceland        | Sweden          |
| Ireland        | Switzerland     |
| Israel         | Turkey          |
|                | United Kingdom  |

*Status November 2010*

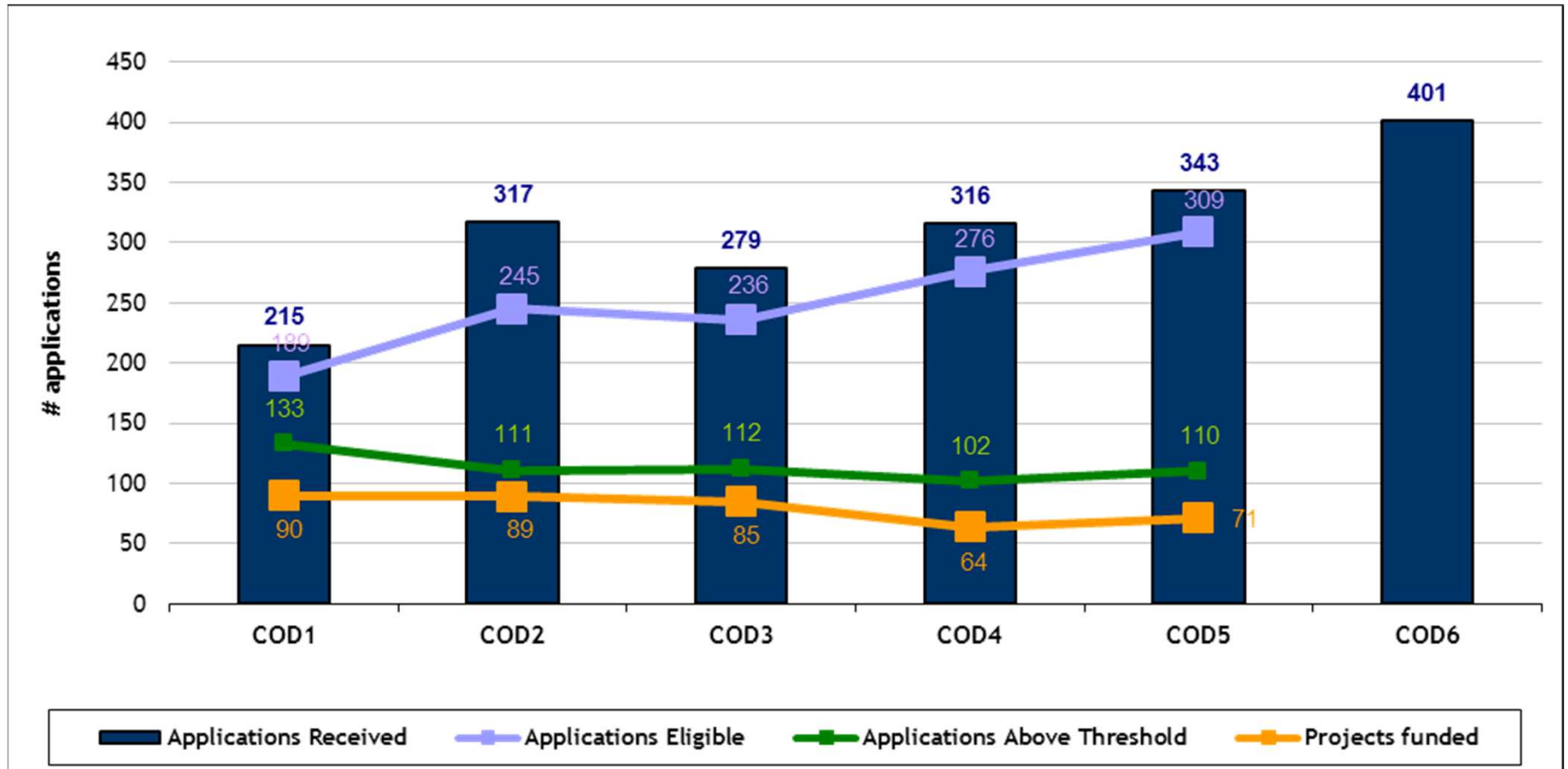
The Eurostars Programme is powered by  
EUREKA and the European Community



- > Consortium Leader is an R&D-performing SME\*
- > At least 2 participants that are Eurostars members
- > Project duration is less than 3 years
- > Market introduction is foreseen within 2 years after project completion
- > The R&D performing SMEs are undertaking at least 50% of total R&D cost
- > Well balanced partnership (no country responsible for more than 75% of the project costs)
- > No restriction on thematic area (bottom up)

\* *10% FTE dedicated to R&D or 10% turnover dedicated to R&D*







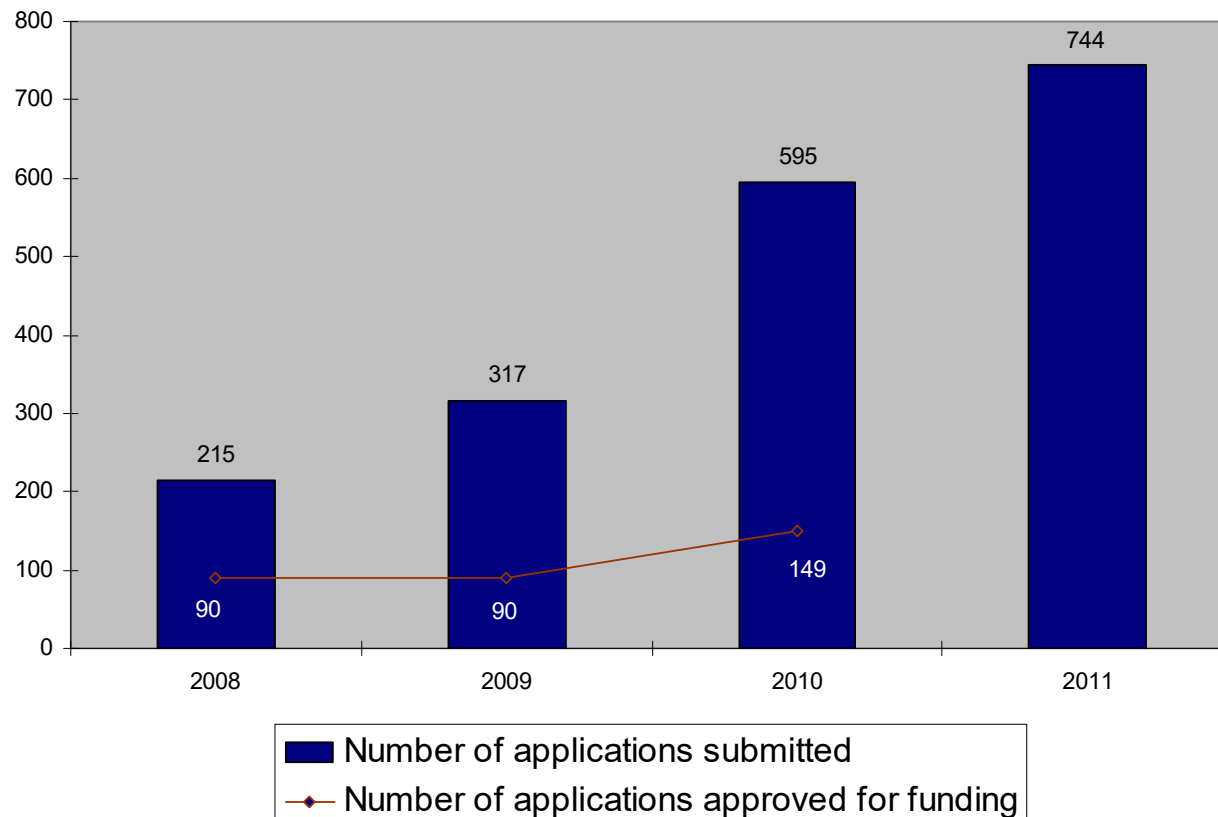


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## Eurostars State of Affairs Applications Submitted and Funded

*As of 2010, 2 cuts off per year*

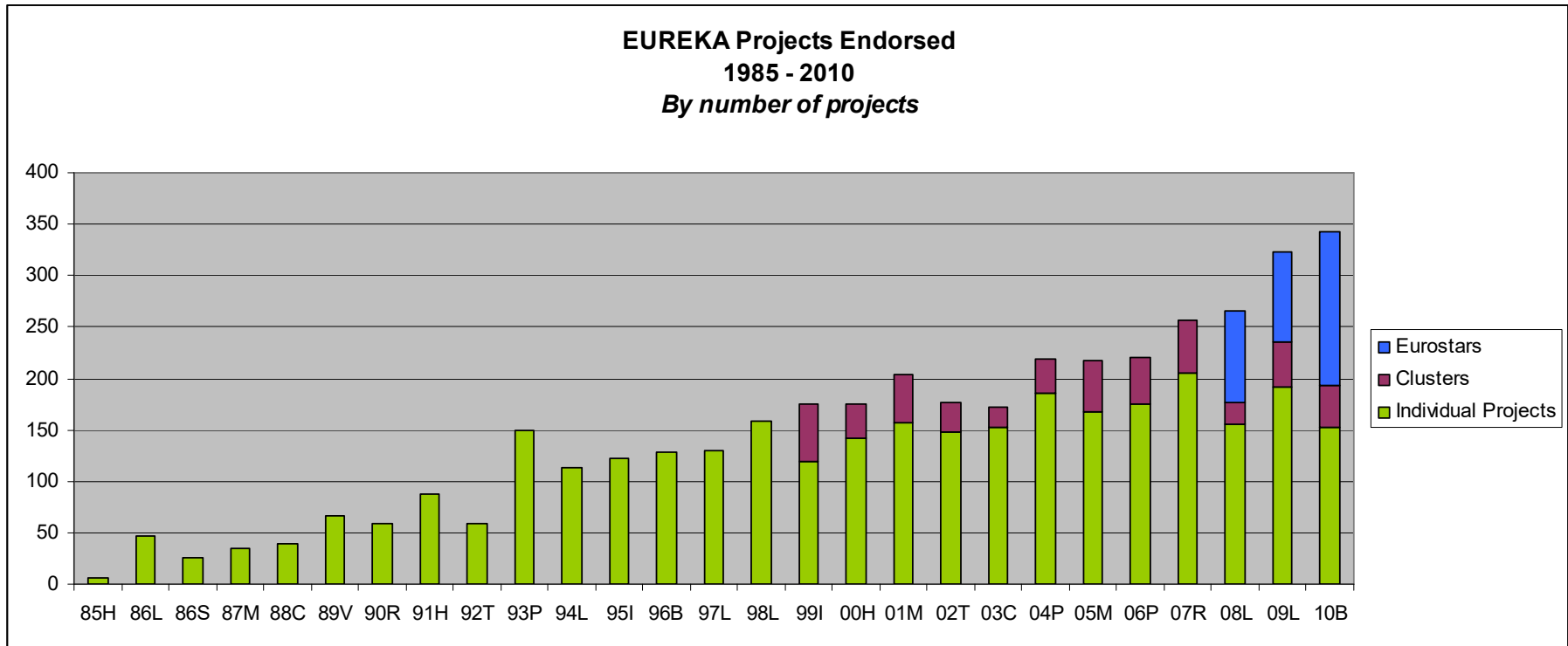


At the beginning of the programme, the forecast was 150 applications submitted per year. It has been multiply by 5 since (e.g 744)

71 projects have been approved for funding in the first cut off of 2011. The second cut off of 2011 is currently being evaluated

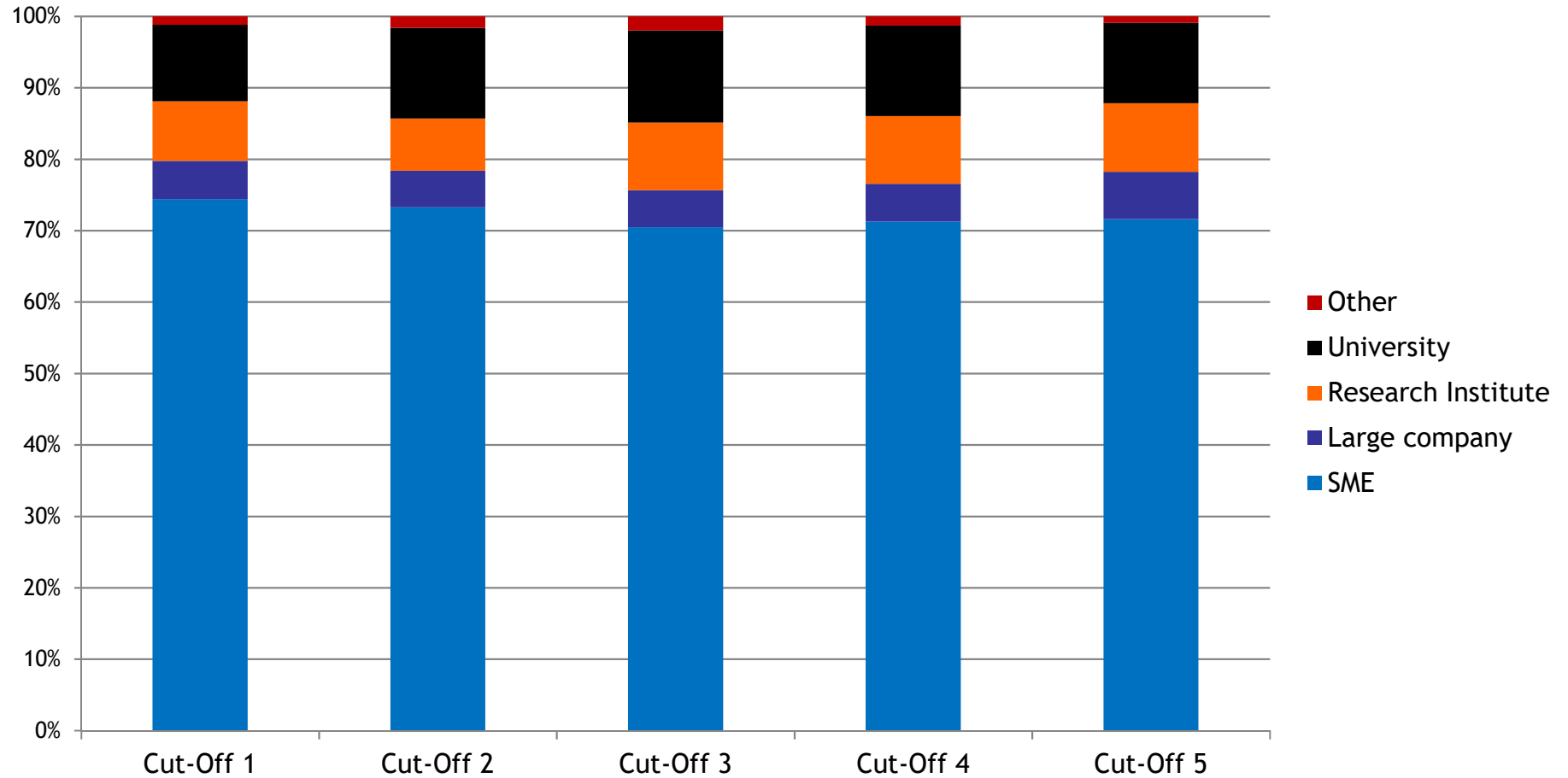
The Eurostars Programme is powered by EUREKA and the European Community





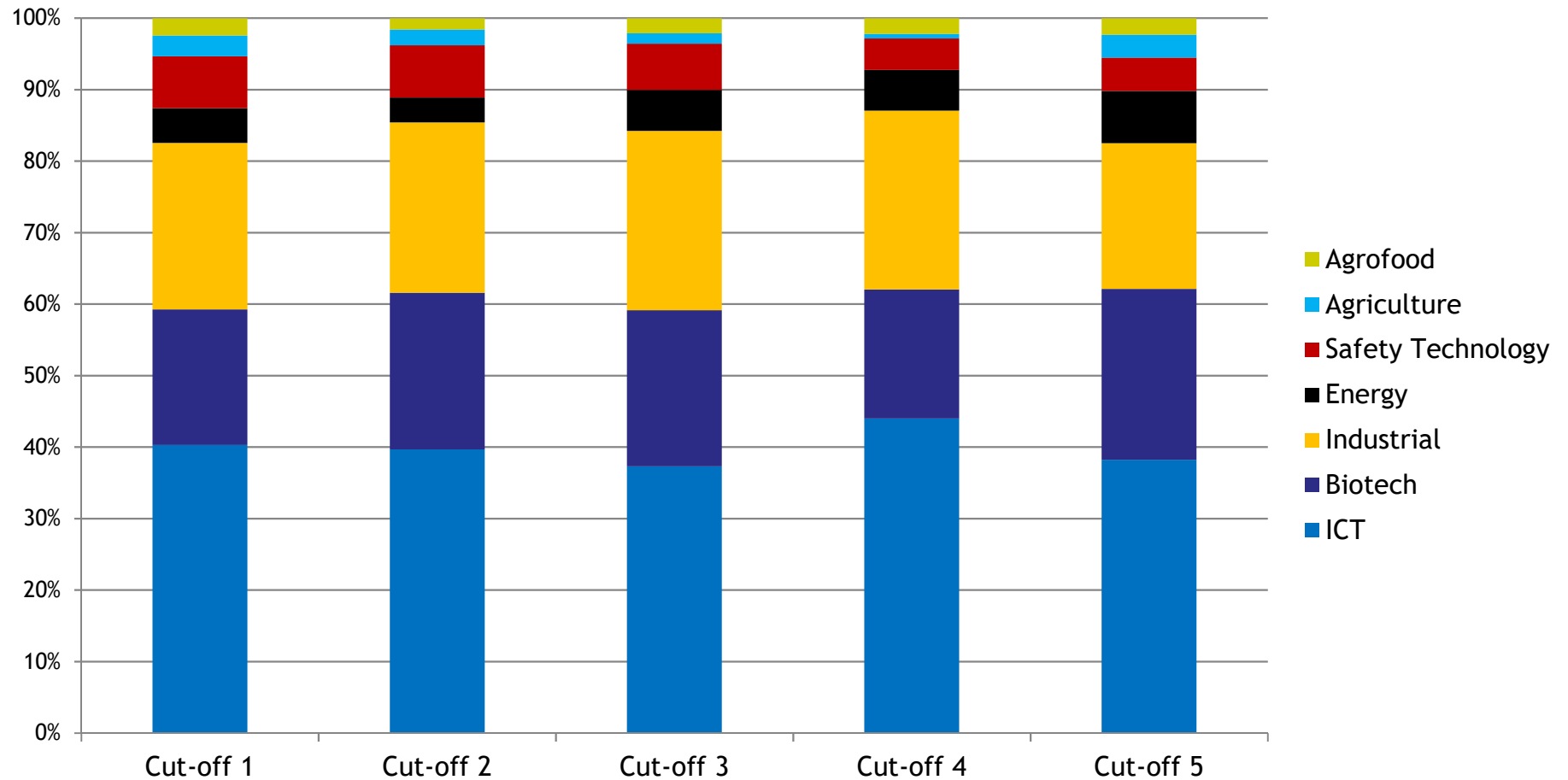
	Cut-Off1	Cut-Off2	Cut-Off3	Cut-Off4	Cut-Off5
Average Cost (M€)	1.4	1.4	1.4	1.3	1.4
Average Participants per projects	3.3	3.5	3.4	3.4	3.2
Average Countries per project	2.0	2.4	2.4	2.4	2.3
Average Duration (months)	28	28	29	28	27

## Eurostars Participant Type overview

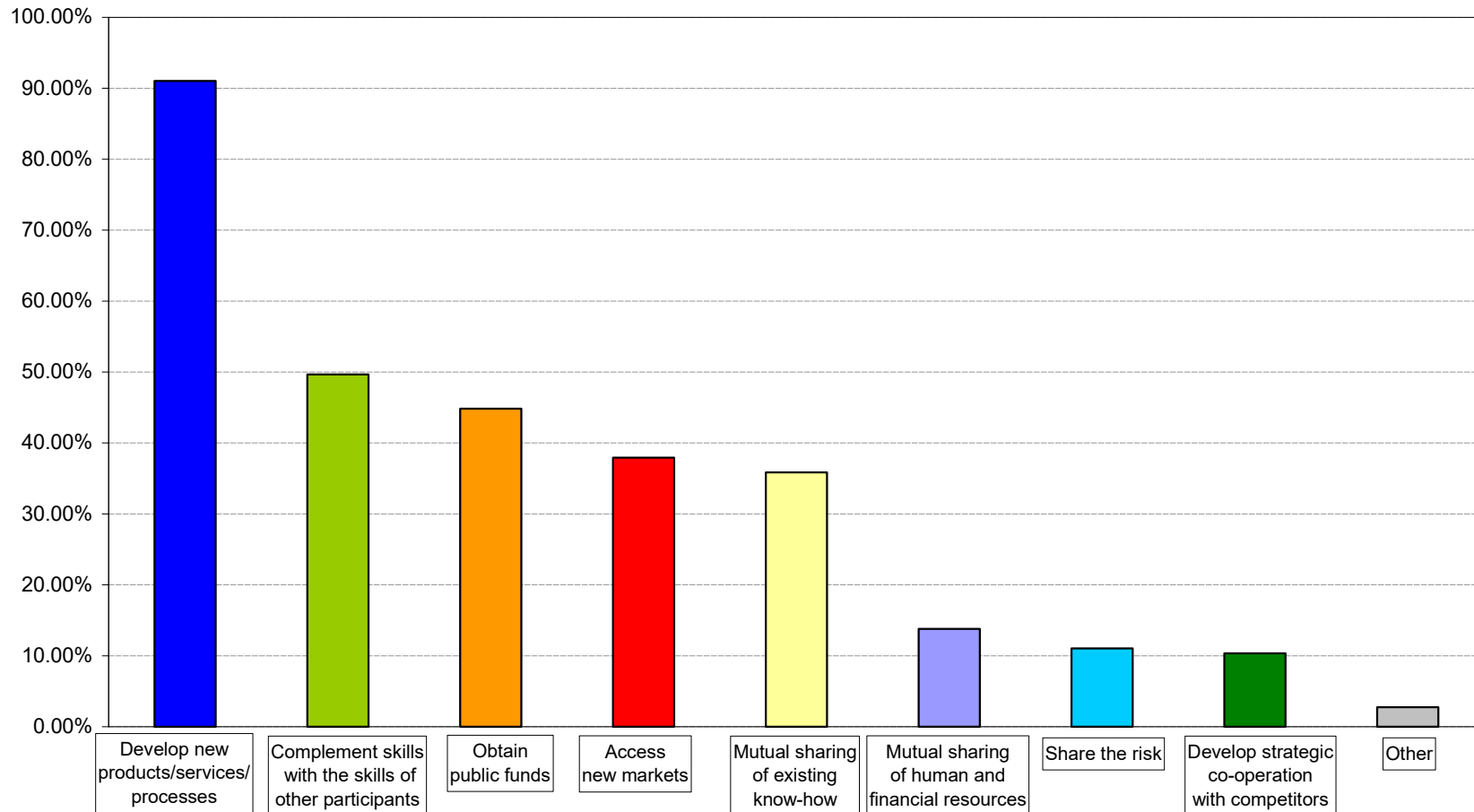




## Eurostars Tech Areas overview

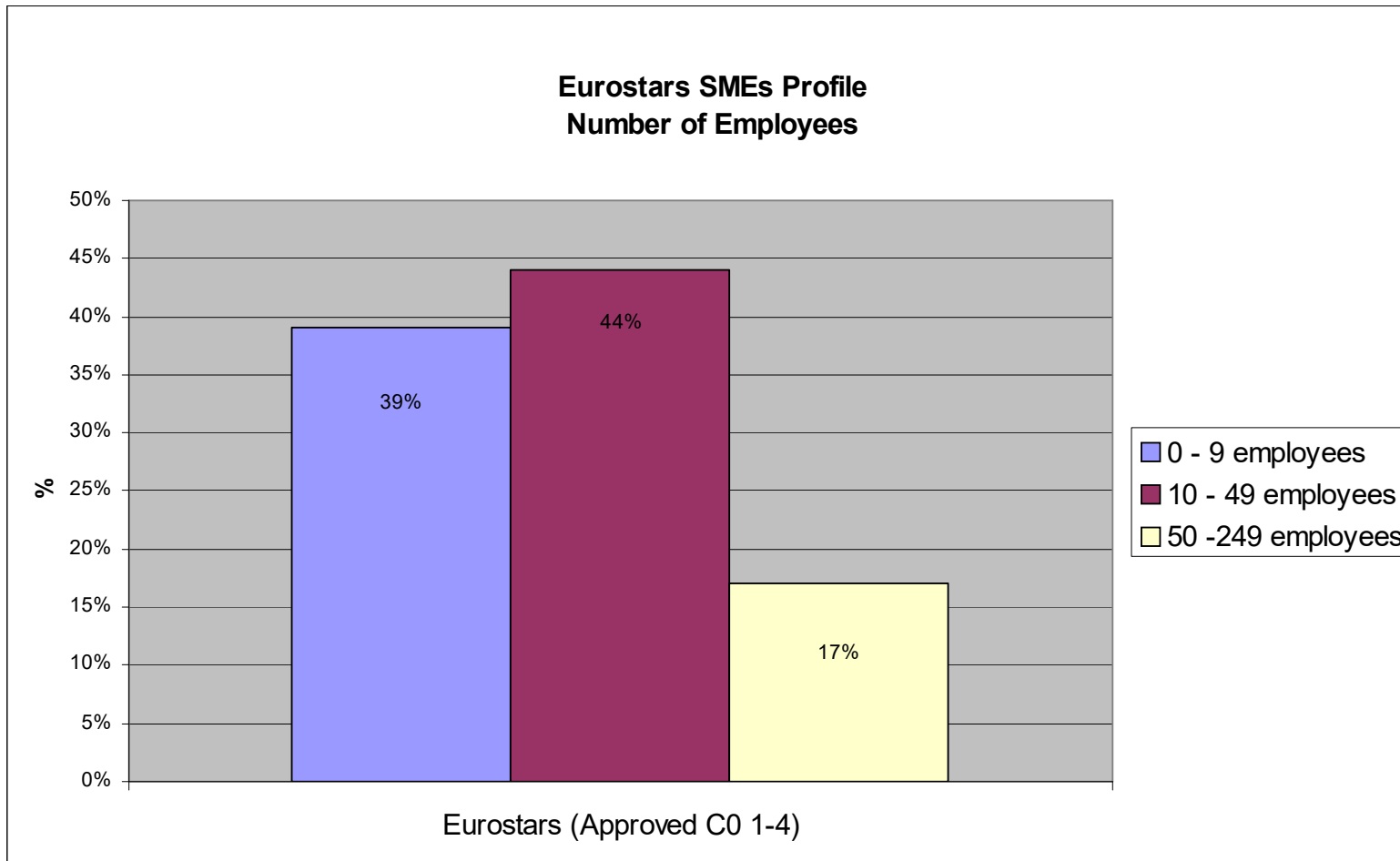


## Main motivations for participating in Eurostars



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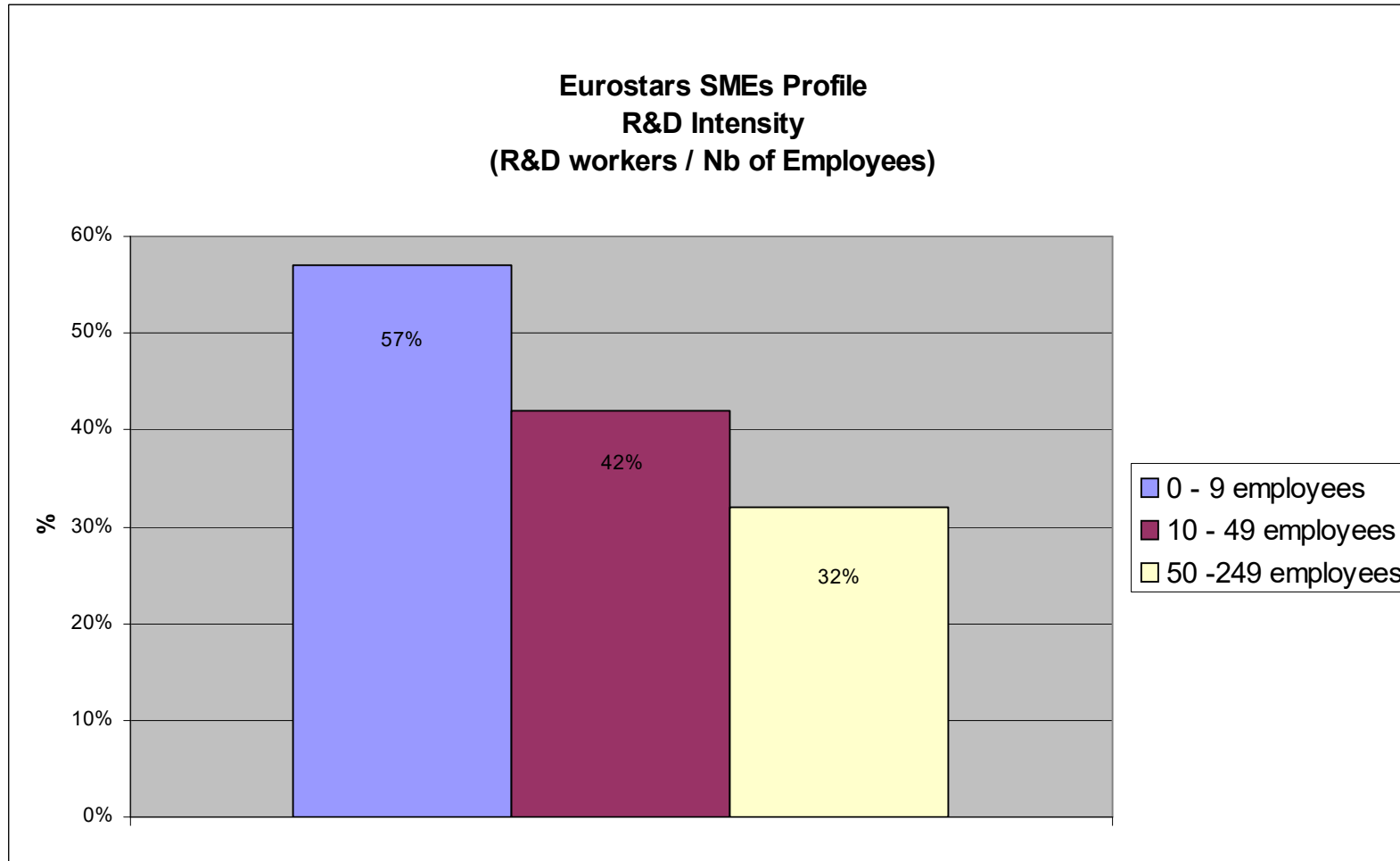




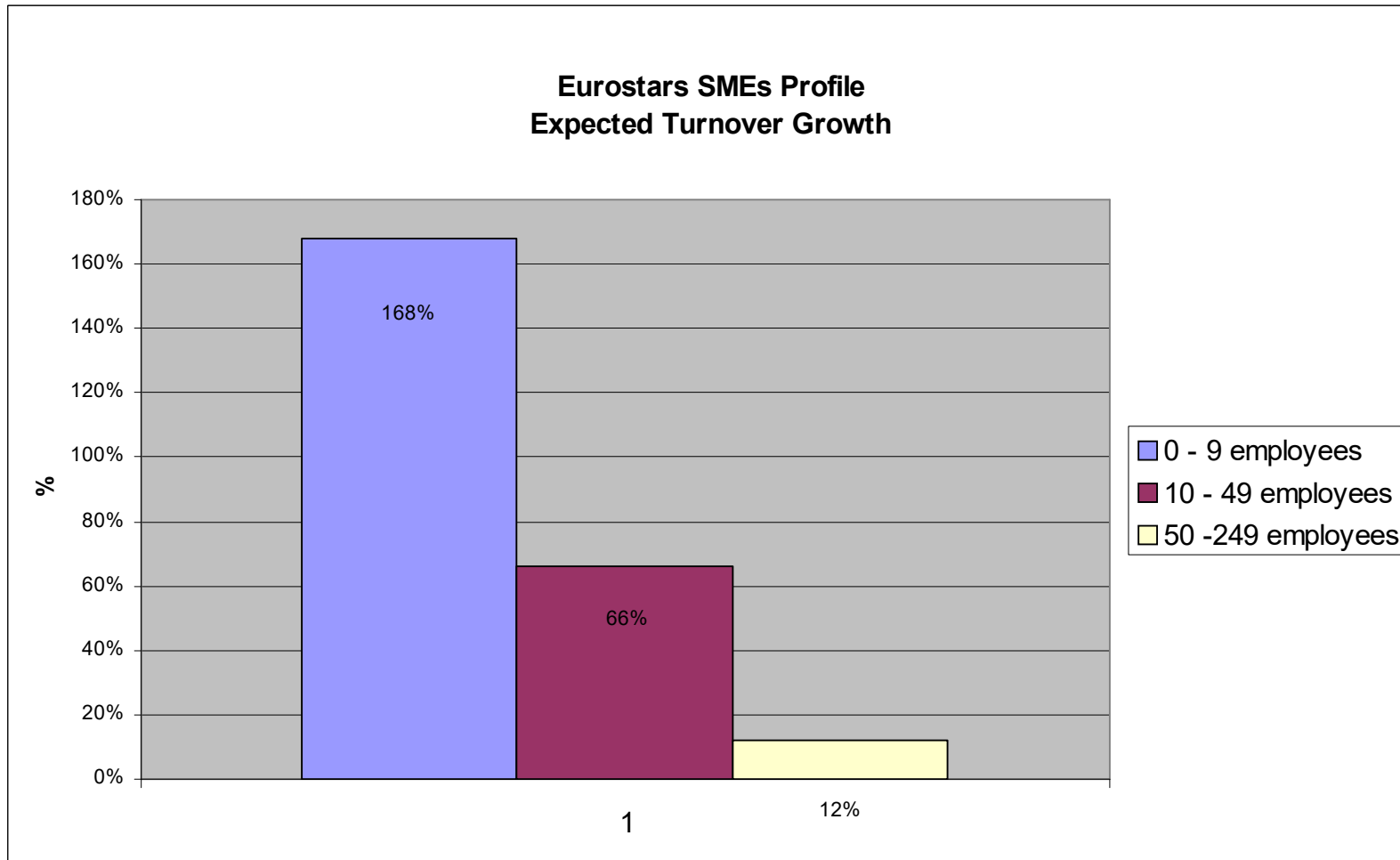
- 4 out of ten Eurostars SMEs have less than 10 employees (micro SMEs)
- 4 out of ten have between 10 and 49 employees (small SMEs)
- 2 out of ten have between 50 and 249 employees (medium SMEs)

The Eurostars Programme is powered by EUREKA and the European Community



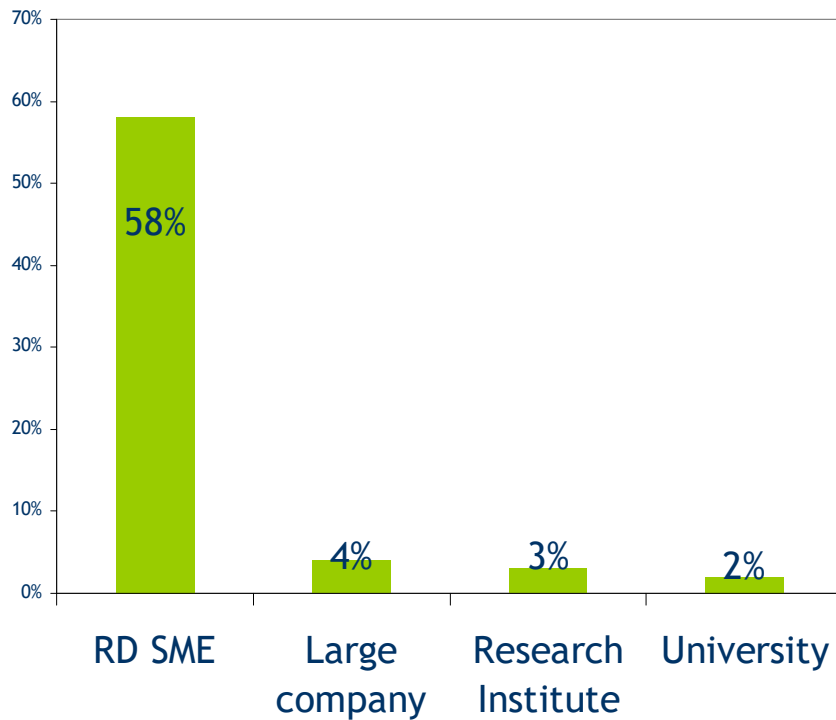


- Innovative SMEs with high R&D intensity
- The more employees, the less R&D intensive (= more productive)

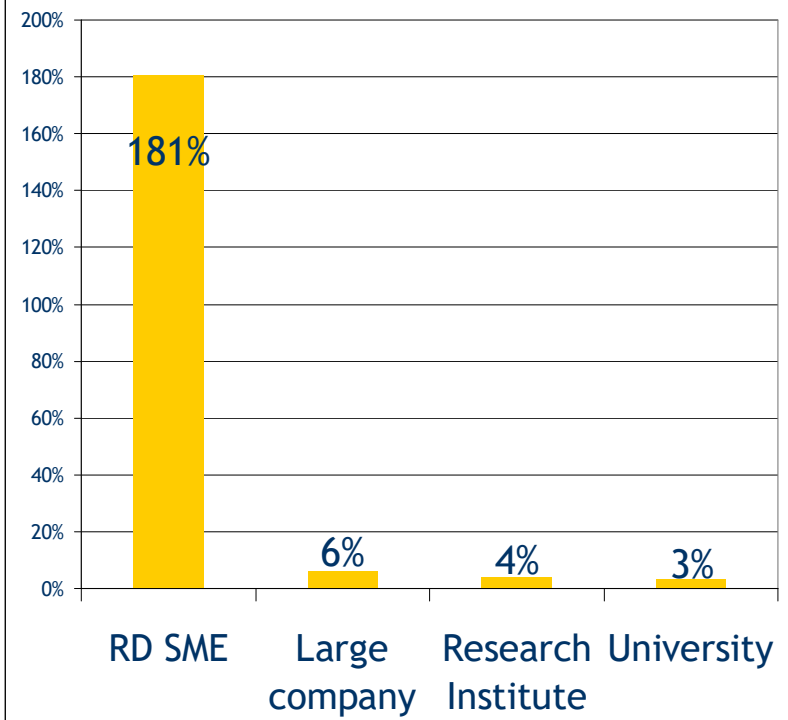


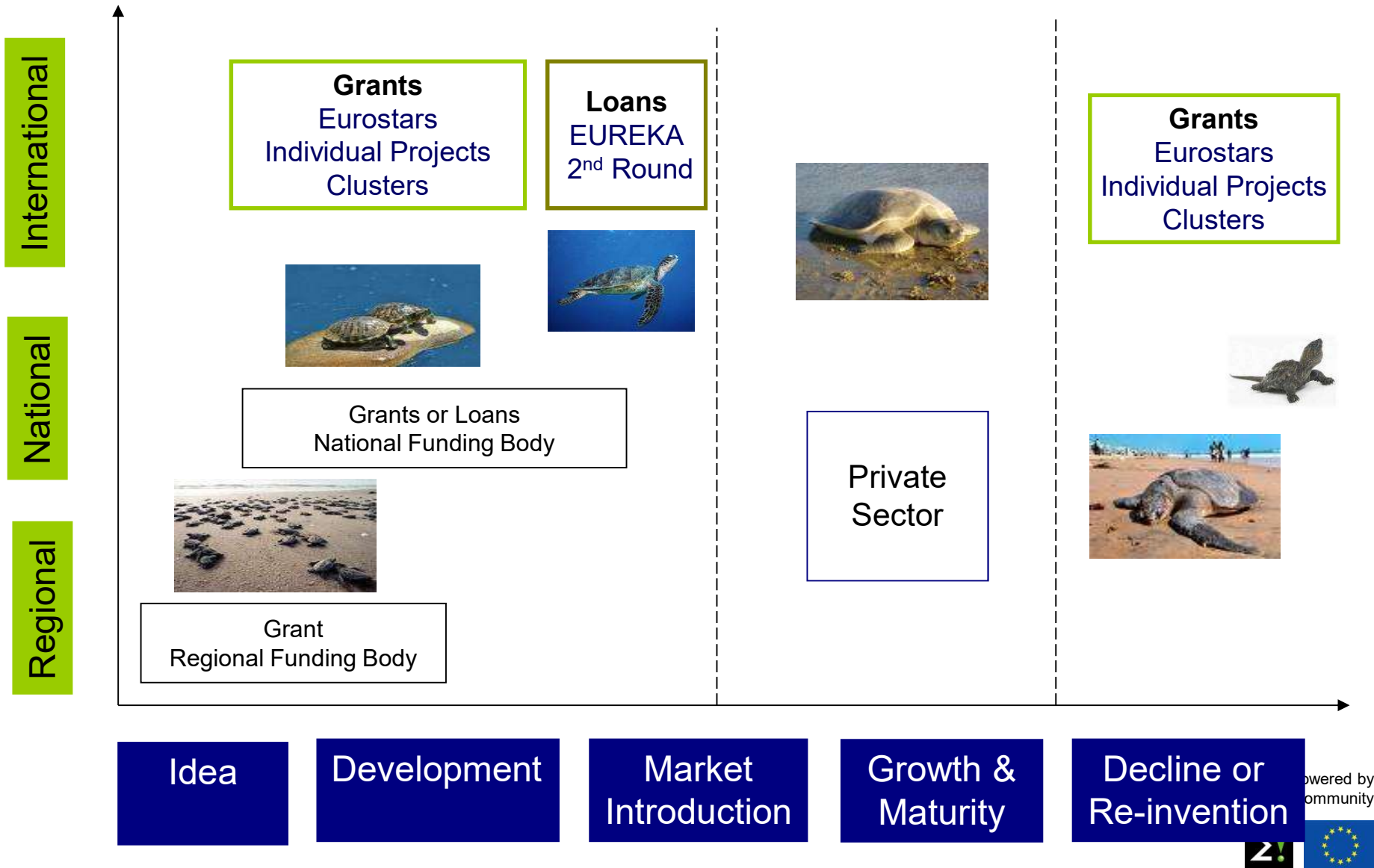
- Eurostars SMEs have a high growth expectations
- The less employees, the more impact is expected (= need to grow fast)

Average Employment Growth Expected (% of FTE)



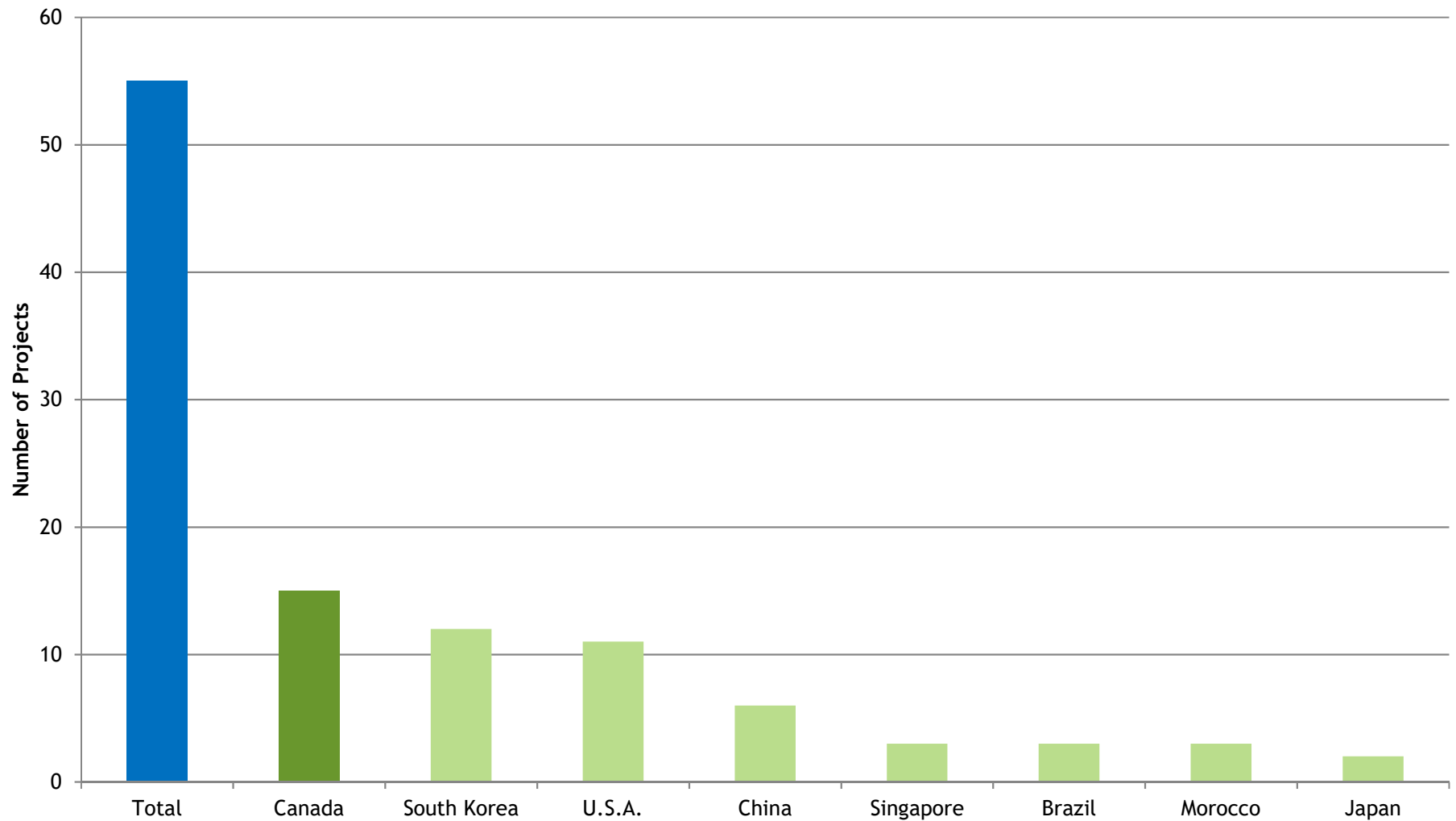
Average Annual Turnover Growth Expected (% of Annual turnover)







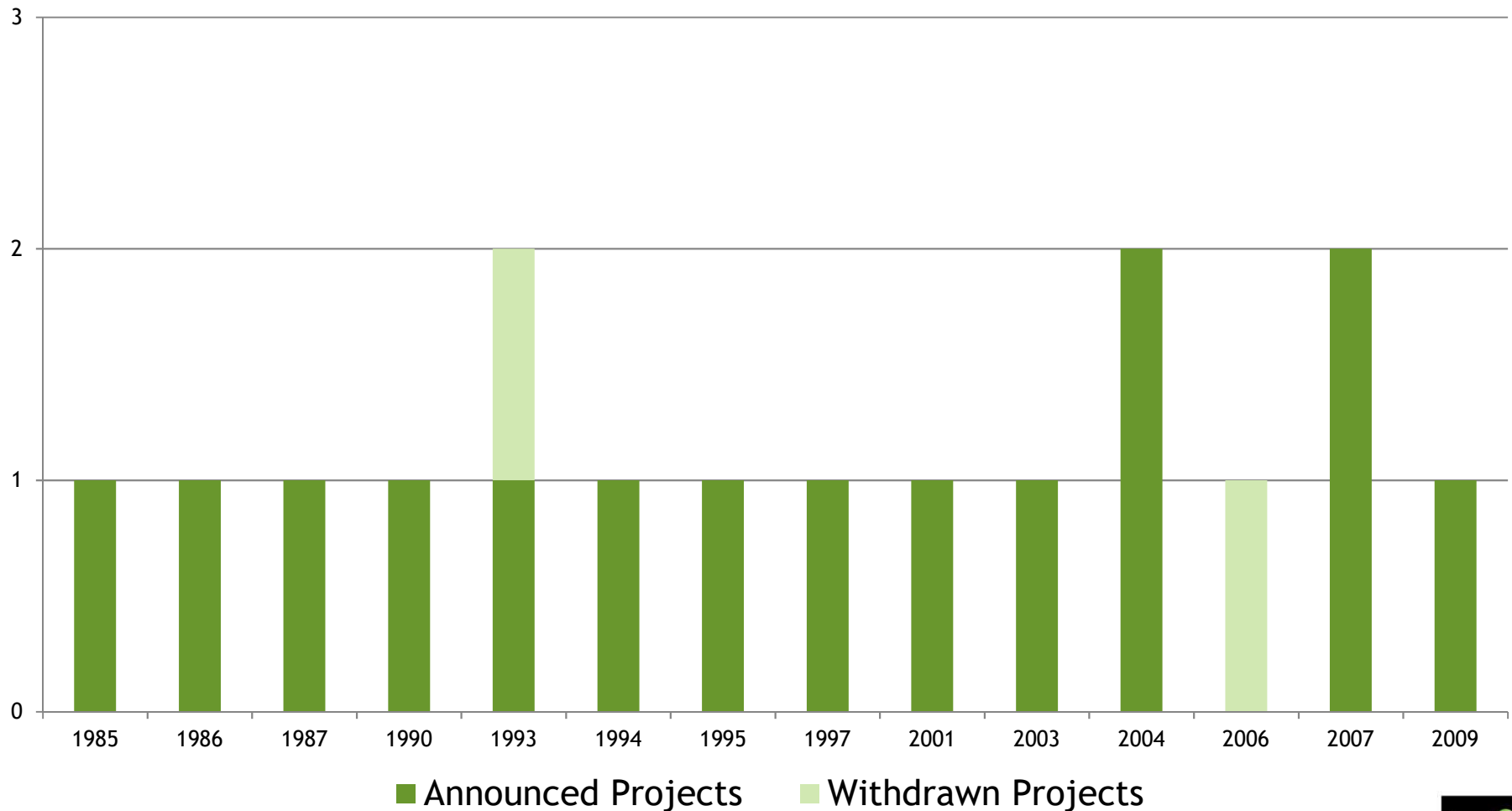
# 3rd Country Project Participation > 35



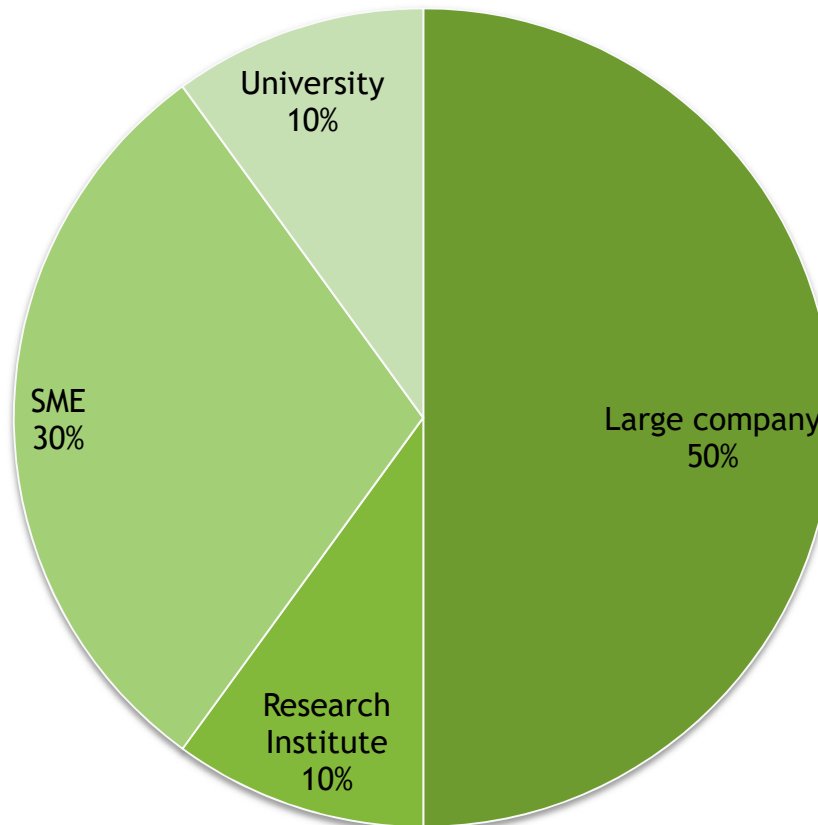
# Canada

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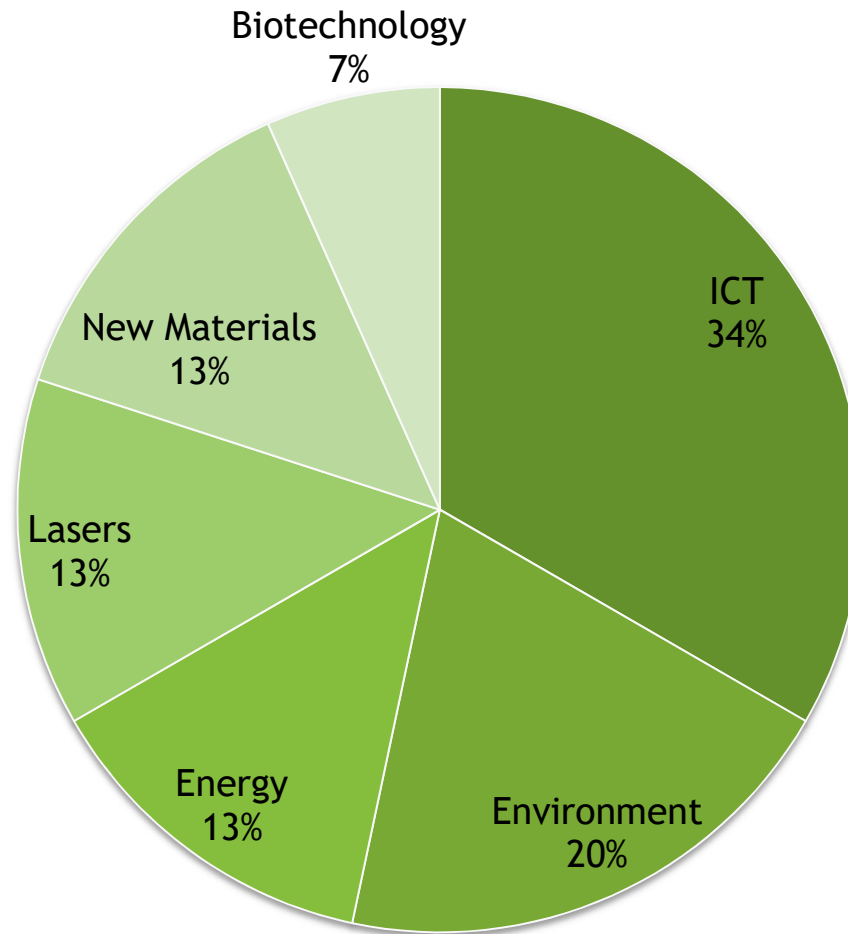
## Projects Generated by Canada



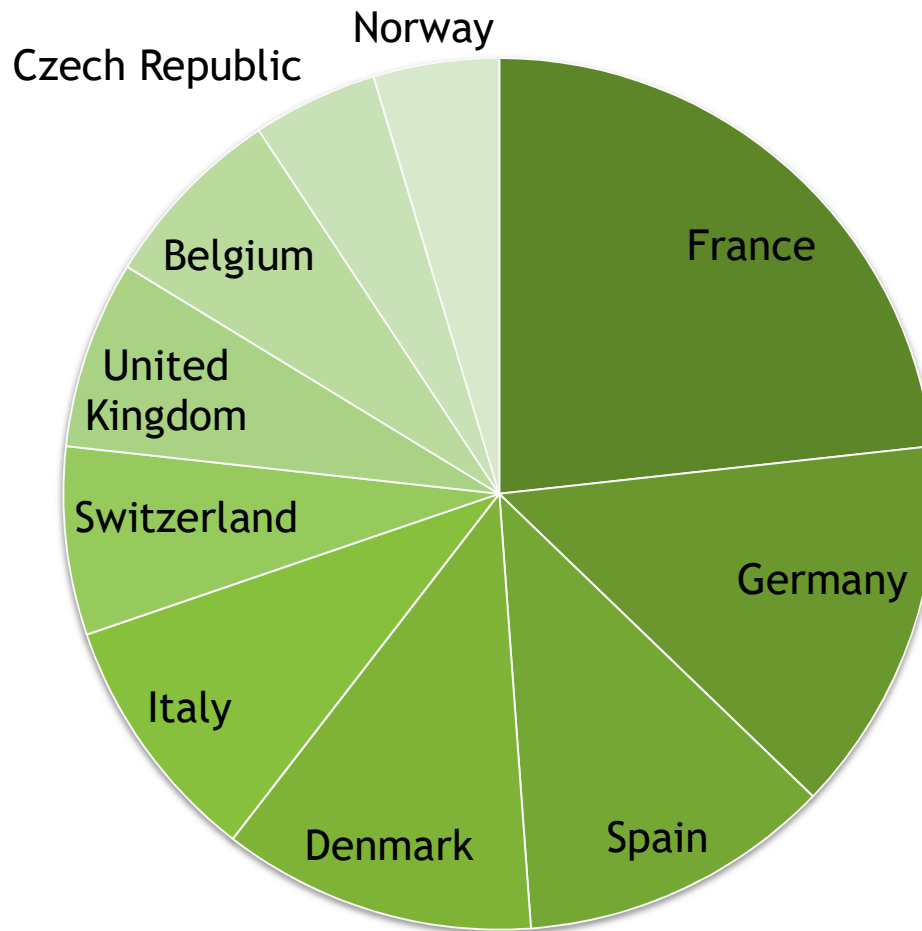
## Type of Participating Organisation



## Tech Area of Projects



## Top 10 Collaborating Countries by Number of Projects



# Thank you!

> 40



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