



## The EUREKA Initiative

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EUREKA Secretariat

EUREKA in General

The future of EUREKA

Focus on EUREKA Individual Projects

Focus on the EUREKA Clusters

Focus on EUREKA Umbrellas

Focus on the Eurostars Programme

Focus on French Participation in EUREKA

EUREKA Success Stories

# EUREKA in General

# What is EUREKA ?

- **EUREKA is a leading European platform for transnational R&D&I Cooperation**
- **EUREKA Mission is to stimulate Growth and Job creation in Europe**
  - **By supporting the internationalisation of businesses with innovative ideas**
  - **This mission is achieved through a well-established intergovernmental network of more than 40 Members**
  - **Over 30 BILLION euros of public-private investment has been mobilized to support 5500 projects since 1985.**

- **Transnational cooperation projects**
  - At least two countries involved
- **Innovative projects**
  - To produce a new product, process or services
- **Bottom-up projects**
  - No Thematic Restrictions
- **Market-oriented projects**
  - Release the new product, process or services quickly on the market

# Who is in?

EUREKA has 41 full Members:

Austria  
Belgium  
Bulgaria  
Croatia  
Cyprus  
Czech Republic  
Denmark  
Estonia  
European Union  
Finland  
France

FYR Macedonia  
Germany  
Greece  
Hungary  
Iceland  
Ireland  
Israel  
Italy  
Latvia  
Lithuania  
Luxembourg  
Malta  
Monaco  
Montenegro  
The Netherlands

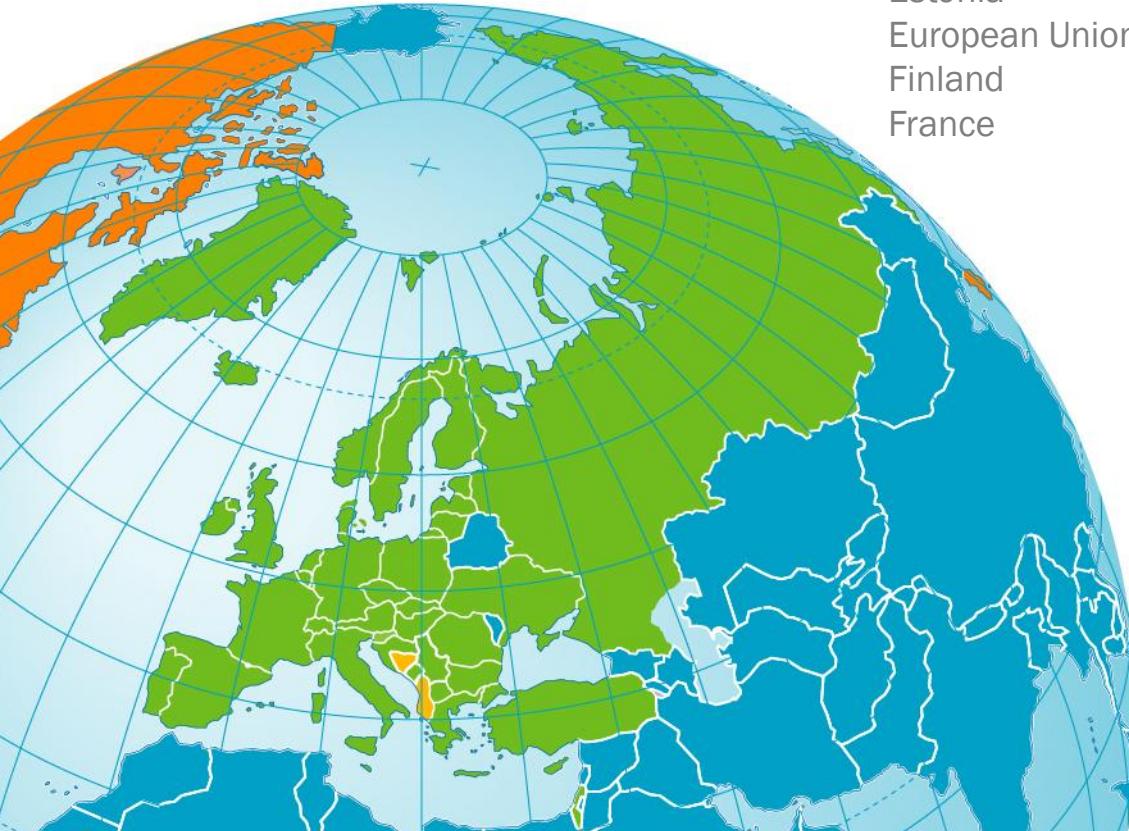
Norway  
Poland  
Portugal  
Romania  
Russian Federation  
San Marino  
Serbia  
Slovakia  
Slovenia  
Spain  
Sweden  
Switzerland  
Turkey  
Ukraine  
United Kingdom

2 National Information Points (NIP):

Albania  
Bosnia-Herzegovina

2 Associated Countries:

Canada  
South Korea  
(South Africa joining soon)



## 1. Individual Projects

- Short Term Innovative Projects
- Driven by Industry, Academics

## 2. Clusters Projects

- Medium Term Innovative Projects
- Driven by Industry (Large companies and SMEs)

## 3. Umbrellas

- Thematic networks within the EUREKA framework
- Activities are coordinated and implemented by a working group

## 4. Eurostars Projects

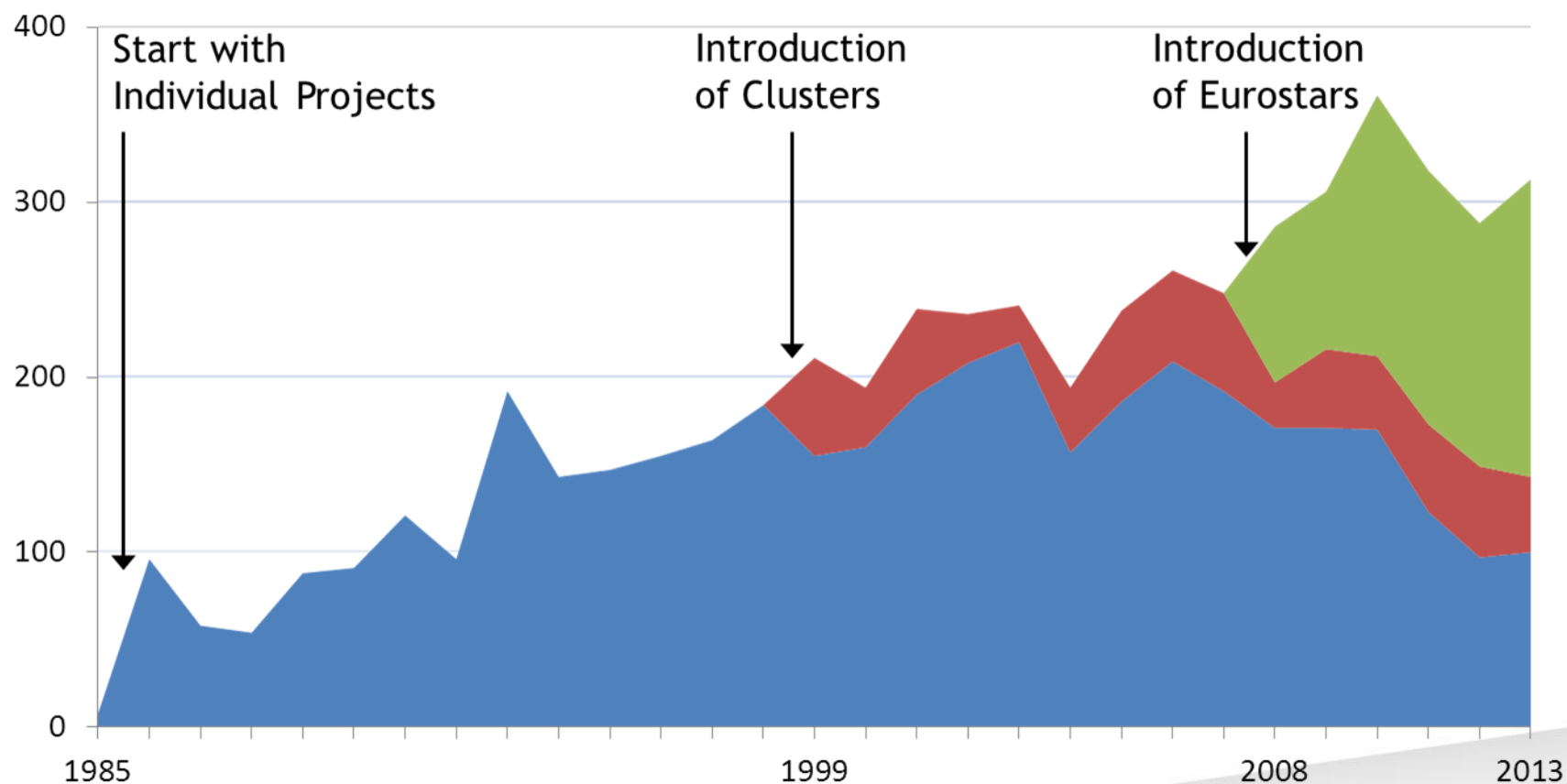
- Short Term Innovative Projects
- Driven by R&D Performing SMEs

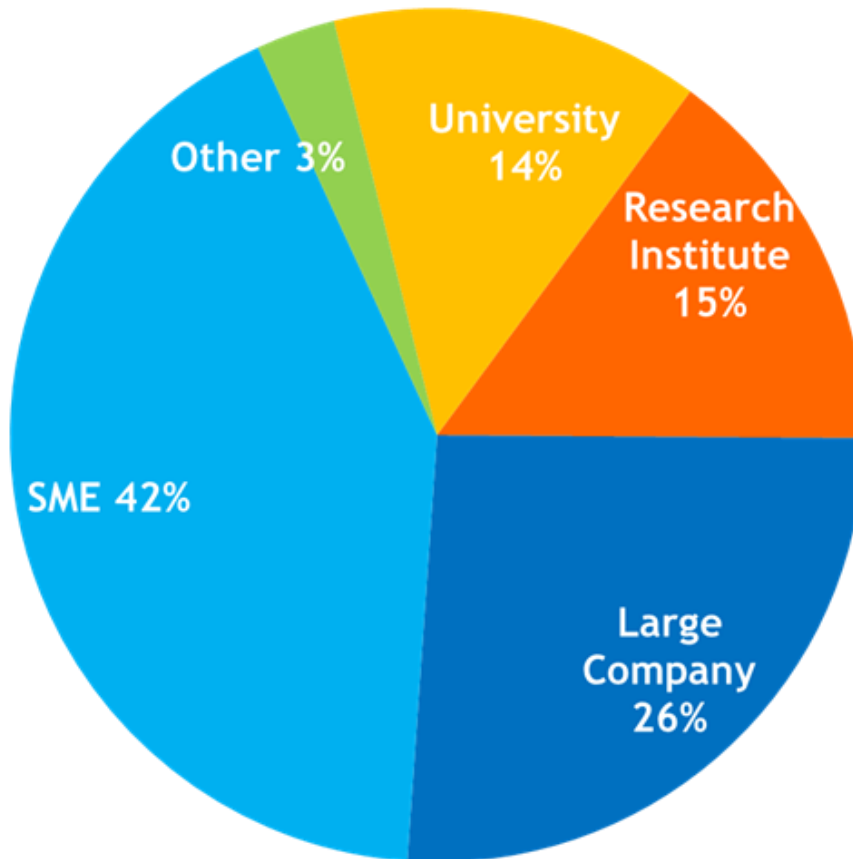
## Typical EUREKA projects

	EUREKA Cluster projects	EUREKA individual projects	Eurostars projects
Average costs	5-7M€	2M€	1.4M€
Average Number of participants	6-7	7	3-4
Average project duration	40	33	29
Consortium leader	Large company	SME	R&D SME



## 5 531 EUREKA projects





➤ Private companies represent **68%** of participants

Data for Individual Projects  
and Eurostars

# The future of EUREKA

## EUREKA Strategic roadmap

By 2020, EUREKA becomes:

“a leading European platform for transnational industrial R&D&I cooperation fostering competitiveness, growth and job creation”



## 4 strategic objectives

- Provide a clear added value to the Industry, with business driven instruments, an adequate access to public funding and state of the art communication and evaluation
- Become a preferred initiative for Public Funding Agencies, aiming to extend national priorities and funding programmes of R&D&I to a transnational dimension
- Become a preferred platform for industrial R&D&I cooperation between Europe and other parts of the world
- Contribute to the fulfilment of the European Research Area for its innovation part, reaching smart synergies between EUREKA instruments and other relevant instruments

# Focus on EUREKA Individual projects

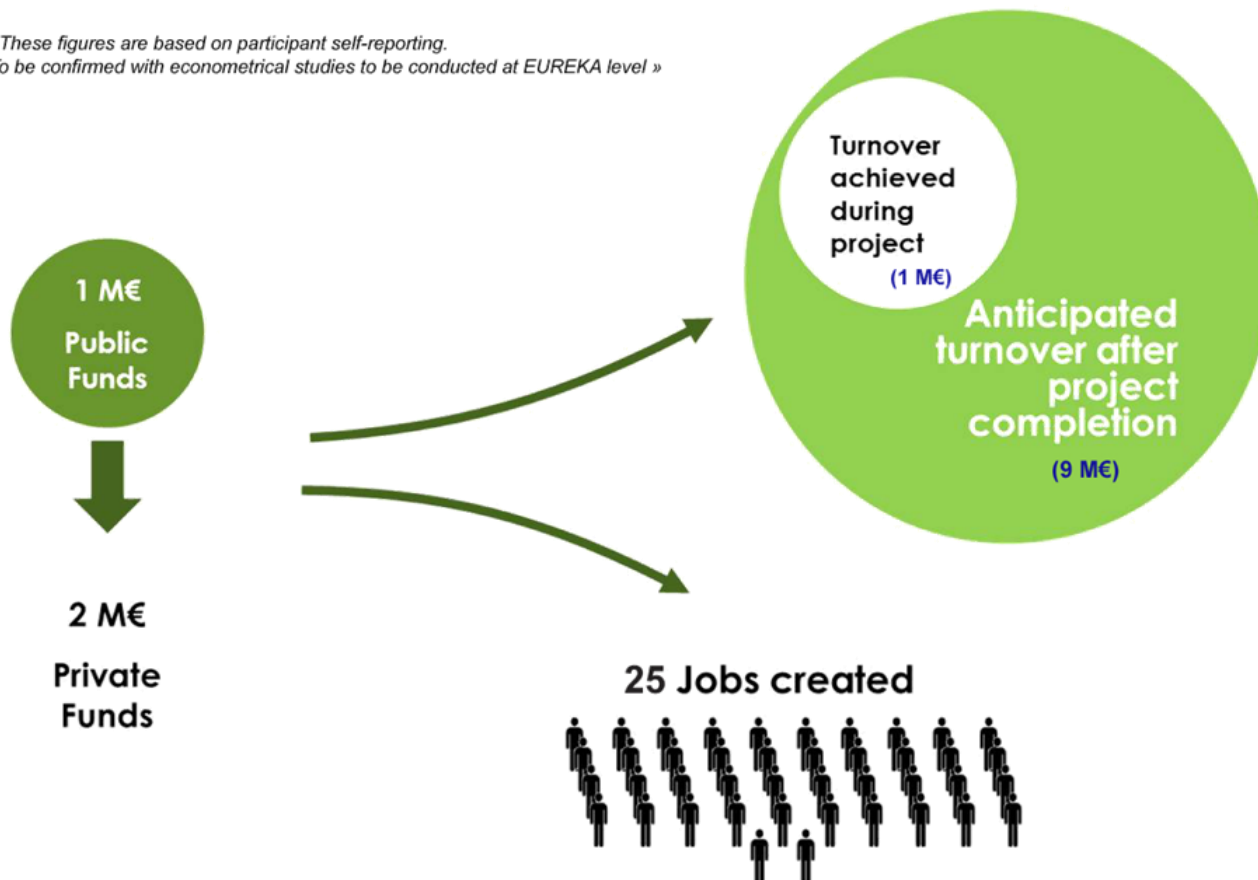
## EUREKA Individual projects



- Small, shorter-term projects
- Involve participants from at least two EUREKA member countries (since 2012 : 1 + 1 rule)
- Result is an innovative product, process or service with a significant advance in their sector
- Each partner is evaluated and funded by national funding bodies

## EUREKA individual projects impact

« These figures are based on participant self-reporting.  
To be confirmed with econometrical studies to be conducted at EUREKA level »





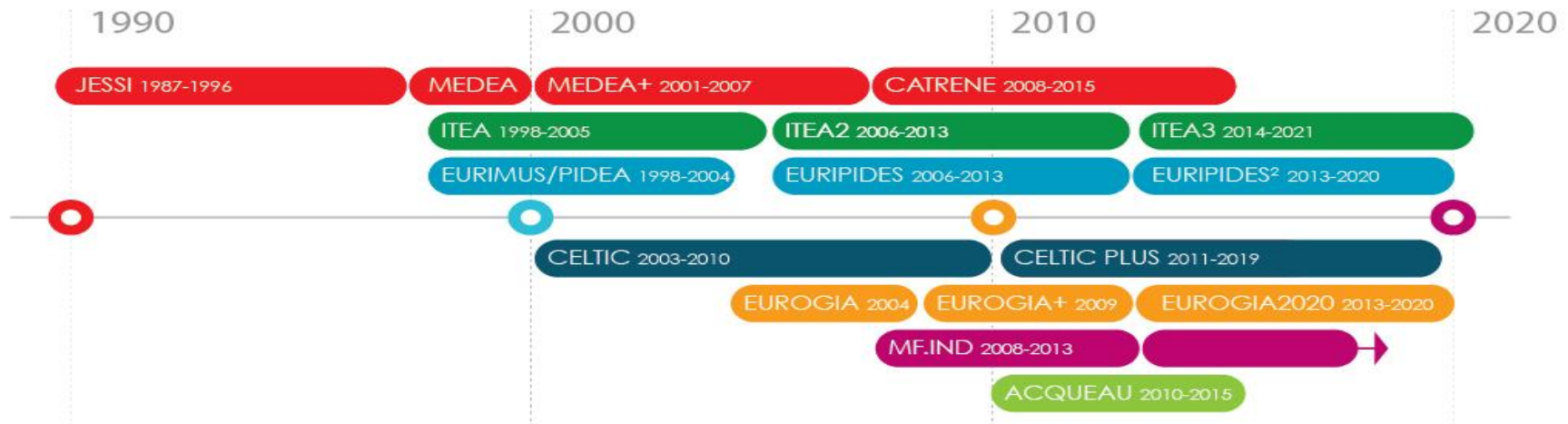
# Focus on the EUREKA Clusters

# EUREKA CLUSTERS:

Medium-term, strategically-significant Industry led initiatives

Large number of participants, including the major companies from across and beyond Europe.

Develop generic technologies of key importance to European competitiveness



# EUREKA CLUSTERS:

EUREKA   
innovation across borders



Innovation in water technologies



Micro and Nano electronics



Telecommunications, Networks and Services



Smart electronic systems



Low carbon energy technologies



Software intensive systems and services

New Cluster on Metallurgy to begin from June 2014

# EUREKA CLUSTERS:

EUREKA   
innovation across borders

Pre-competitive research projects lead by Europe's biggest companies



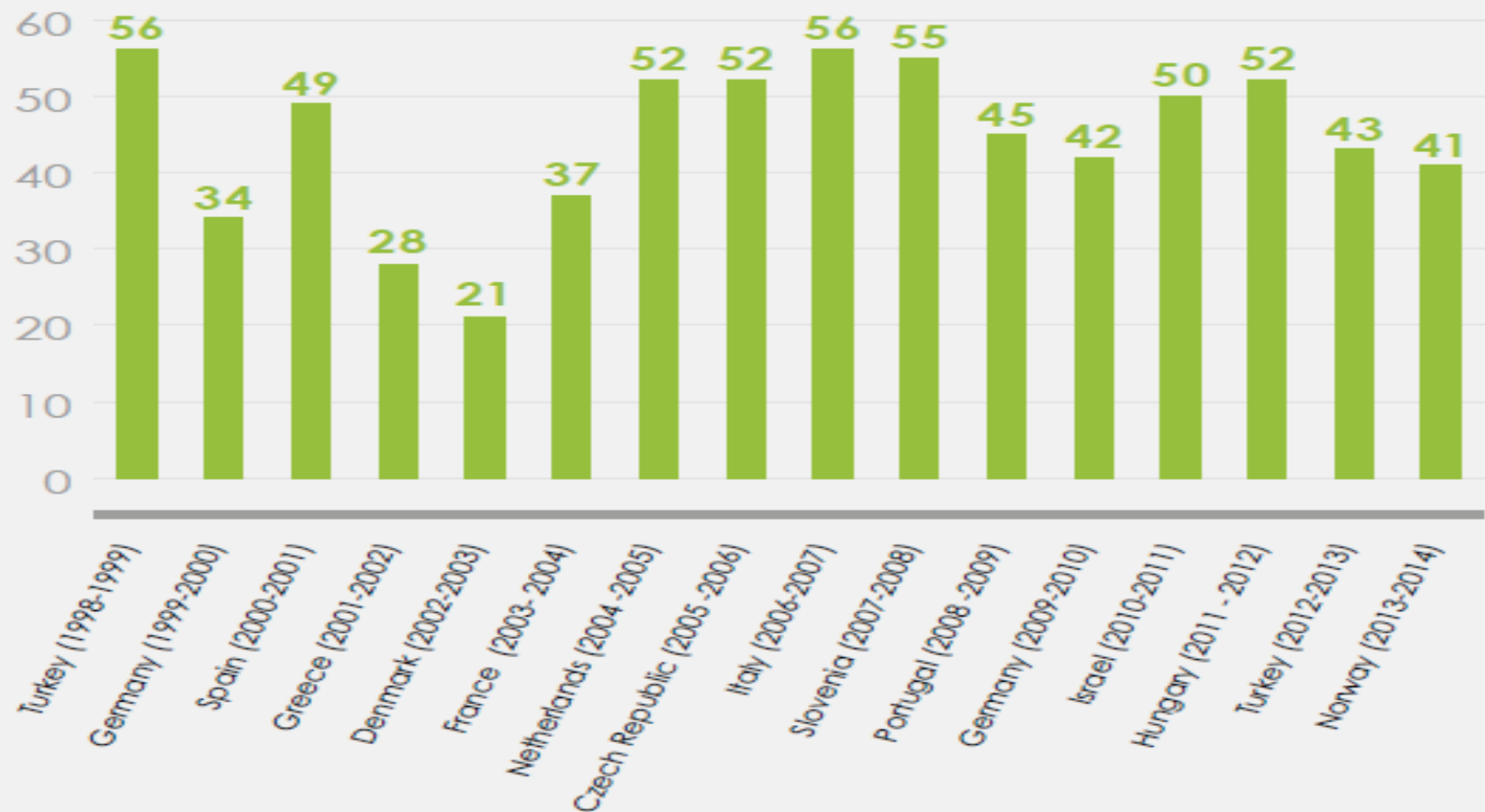
EUREKA Clusters are a EUREKA success story. EUREKA Clusters represent 70% of the budget of the EUREKA portfolio. They have created, with strong support of the public authorities and the EUREKA network, important R&D&I eco-systems of large companies, SMEs, research institutes and universities.

They feature a majority industrial participation, with a high level of SME participation:

**>Large role of SMEs:**

- >Up to 50 % of partners and 30 % of budget and efforts is with SMEs
- >EUREKA Clusters are a powerful tool for growth and international expansion of SMEs in eco-systems with large industries and knowledge institutions

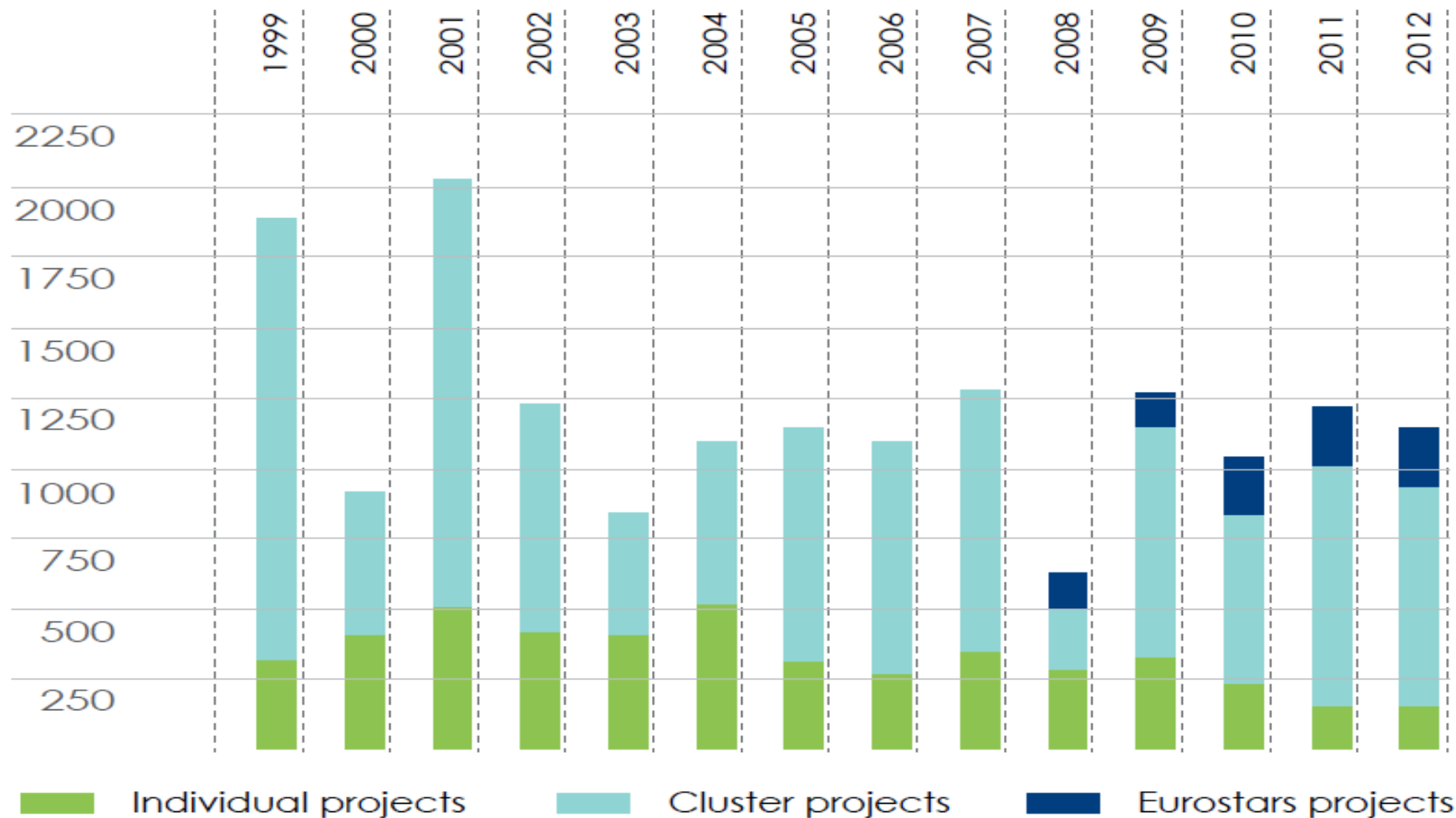
## Cluster projects by Chairmanship year



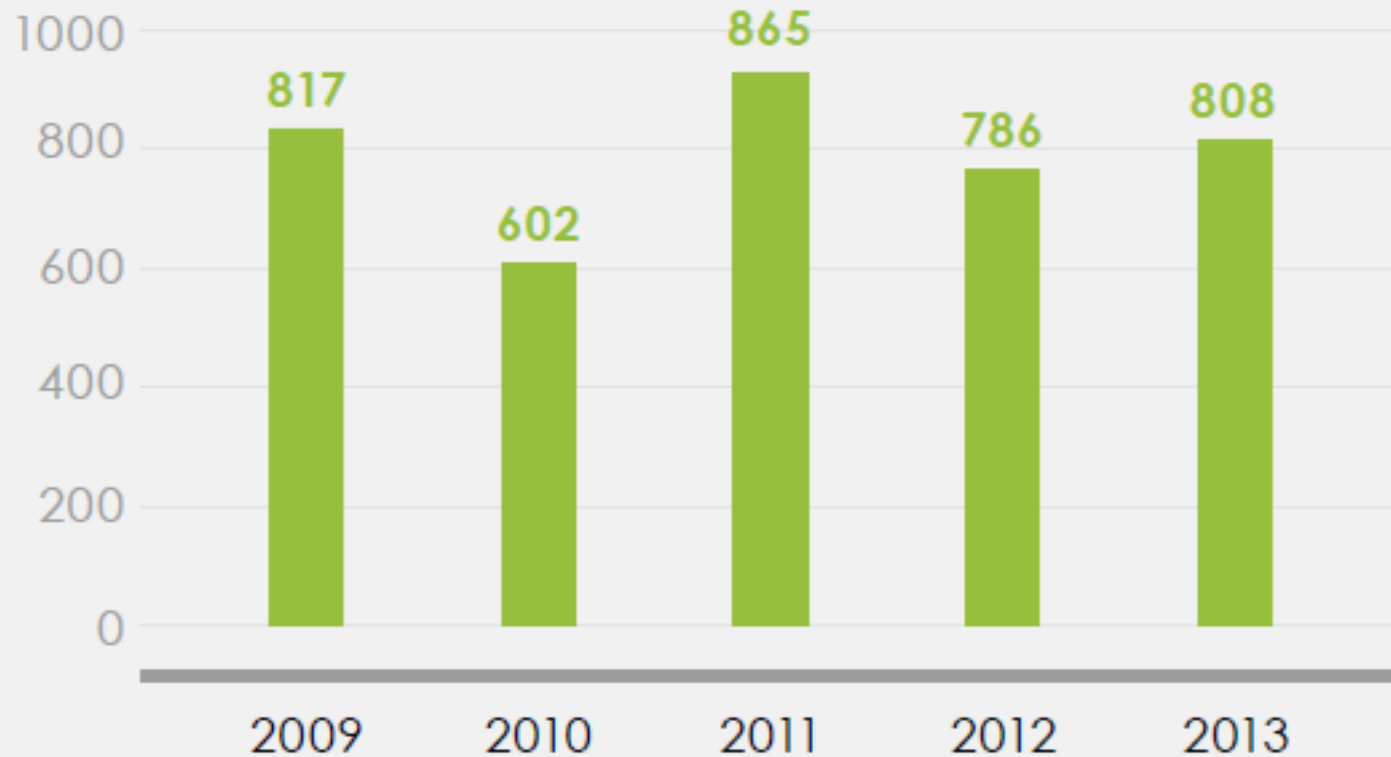


# EUREKA CLUSTERS:

Total project cost per year / M€





## Clusters: total project budget (M€)





# EUREKA CLUSTERS:

CLUSTER		NUMBER OF PROJECTS		PROJECT COSTS (M€)	
		2012	2013	2012	2013
<b>ACQUEAU</b> (water technologies) labelled 2 projects for total costs of 4 million euros.		3	2	12.2	4.0
<b>CATRENE</b> (micro and nanoelectronics) labelled 9 projects for total costs of 245 million euros.		5	9	152.1	245.4
<b>CELTIC-PLUS</b> (telecommunications) labelled 8 projects for total costs of 72 million euros.		9	8	87.0	72.2
<b>EURIPIDES/EURIPIDES<sup>2</sup></b> (smart electronic systems) labelled 7 projects for total costs of 51 million euros.		7	7	27.6	50.8
<b>EUROGIA+/EUROGIA 2020</b> (energy technologies) labelled 2 projects for total costs of 72 million euros.		5	2	25.2	71.9
<b>ITEA 2</b> (embedded software) labelled 19 projects for total costs of 364 million euros.		15	19	180.1	363.6
<b>MF.IND</b> (manufacturing) has expired in 2013, renewal is under way. It has two projects still running for a total cost of 40 million euros.		8		146.0	
<b>Total</b>		<b>44</b>	<b>47</b>	<b>630.2</b>	<b>807.8</b>

- Thematic Calls (1-2 per year); Open to participation from all countries;
- One or Two Step Centralized Cluster Evaluation;
- Cluster Labeling;
- National funding decision based on a national review of the Cluster Evaluation and Label;
- Cluster monitoring and impact assessment;

# Focus on the EUREKA Umbrellas

Thematic networks focusing on a specific technology area or business sector

Facilitate the generation of E! projects in their own target area

Coordinated and implemented by a working group consisting of EUREKA representatives and industrial experts

## **PRO-FACTORY+**

Manufacturing and Production industry

[www.PRO-FACTORY+.eu](http://www.PRO-FACTORY+.eu)

Duration: June 2011 until June 2015



## **E! SURF**

Surface engineering for sustainable production and products

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

Duration: December 2010 - December 2015



## **E!TOURISM+ EUREKATOURISM+**

Sustainable tourism and travel through innovation

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

October 2013 – September 2018



## **EUROAGRI FOODCHAIN**

Agri-Food Sector

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

Duration: March 2009 - July 2013

(Renewal under preparation)



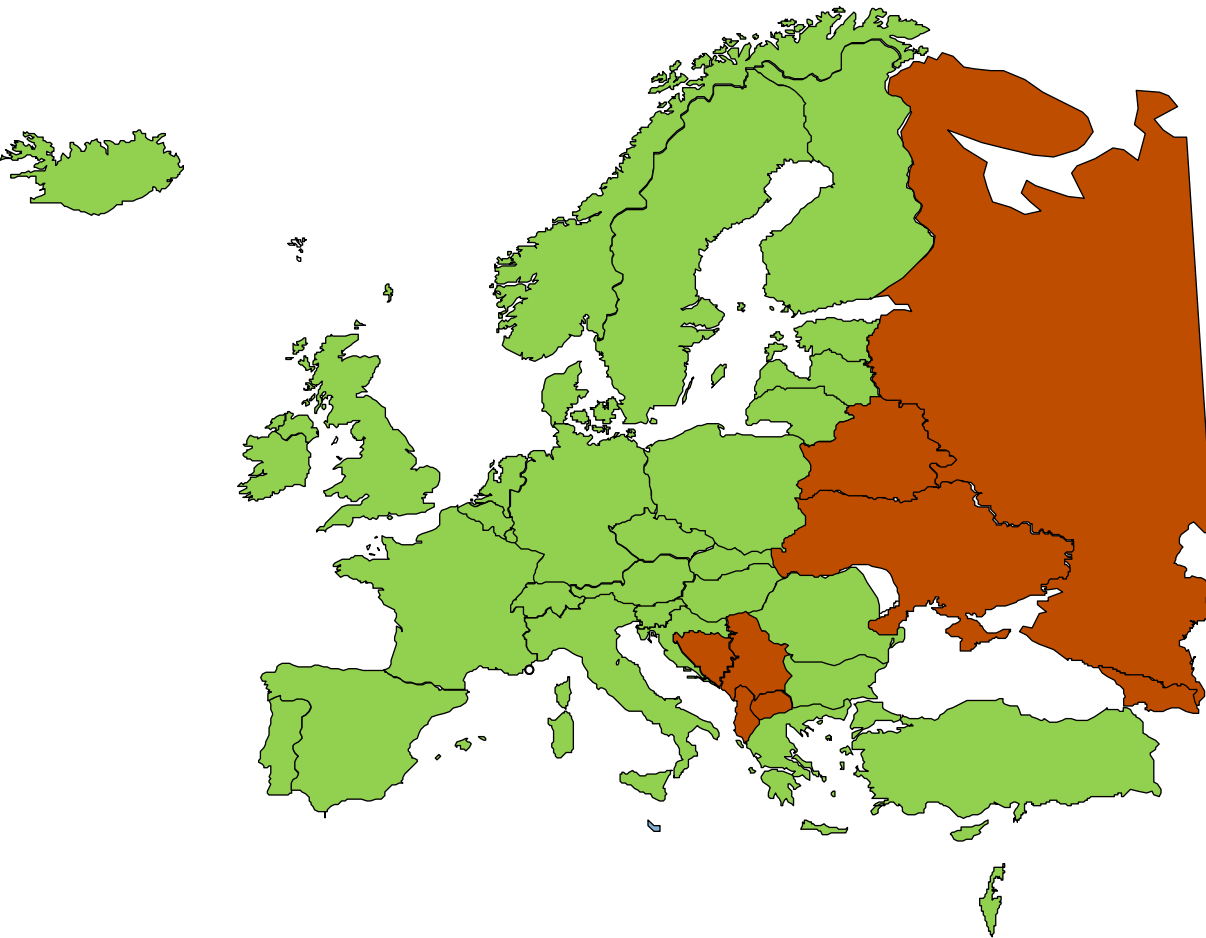
# Focus on the Eurostars Programme



# The Eurostars Programme

- Joint program between EUREKA members and the European Union
- Small, short-term projects, involving participants from at least two Eurostars participating countries
- Consortium leader is an R&D-performing SME
- Central evaluation by International Panel, Funding by National Funding bodies

# 34 Eurostars countries

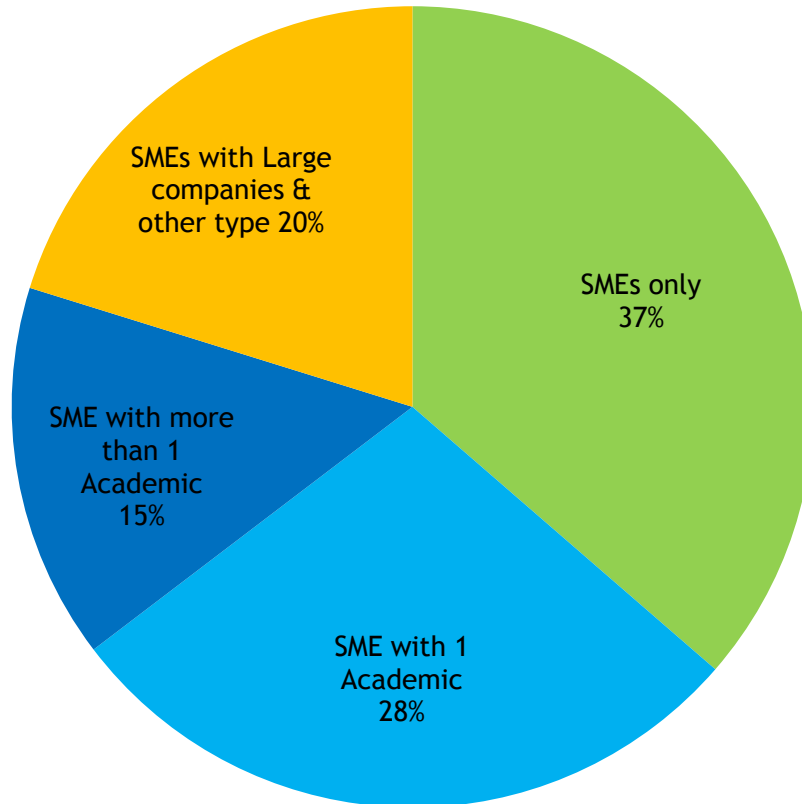


Austria	Latvia
Belgium	Lithuania
Bulgaria	Luxembourg
Croatia	Malta
Cyprus	The Netherlands
Czech Republic	Norway
Denmark	Poland
Estonia	Portugal
Finland	Romania
France	Slovakia
Germany	Slovenia
Greece	Spain
Hungary	Sweden
Iceland	Switzerland
Ireland	Turkey
Israel	United Kingdom
Italy	South-Korea



# What is a Eurostars project?

## Type of consortium

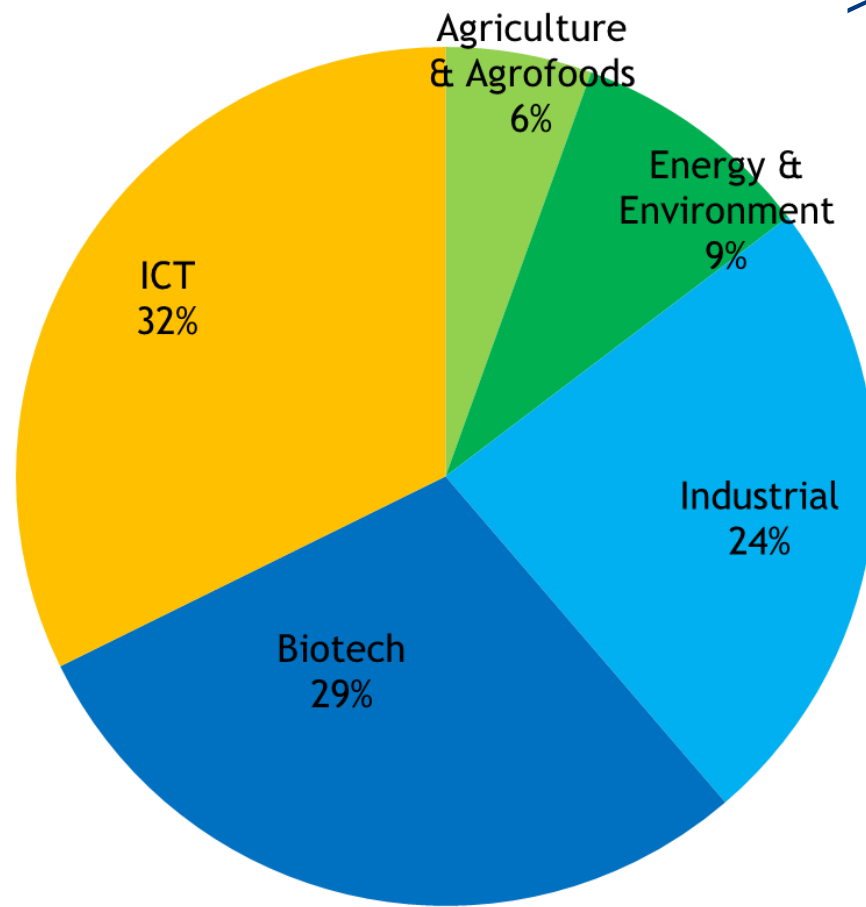


## Small projects:

- 3 to 4 participants
- 2 to 3 countries
- 29 months duration
- 1,4 Million euros of total costs

# What is a Eurostars project?

## Main technological areas



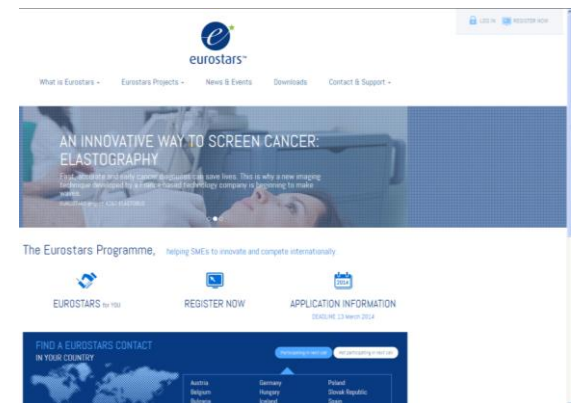
> Eurostars is bottom-up :  
open to all technological  
areas

1. Submit an application on-line: Open Call (2 cut-offs per year)
2. You have to respect eligible criterias
  - R&D SME in the lead & 50% of the job done by SMEs
  - 2 Countries at least involved
  - Well balanced partnership (no country responsible for more than 75% of the project costs)
  - Product/Process/Services to be released on the market within 2 years
3. Application is then assessed centrally based on 3 main criteria
  - Quality of the consortium
  - Excellence of innovation
  - Impact on Market and Competitiveness
4. Financial viability check of companies
5. National funding
  - Based on the central evaluation
  - Applying national rules (funding rate on average = 50%)
  - Average time to contract = 7 months

## Online registration and application tool

[www.eurostars-eureka.eu](http://www.eurostars-eureka.eu)

1. Read the guidelines for applicants
2. Register online
3. Contact your national point
4. Fill in the online application form



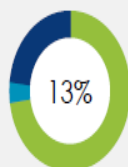
# Focus on French Participation

# French Participation

## FRANCE

		INDIVIDUAL PROJECTS	CLUSTERS	EUROSTARS	OVERALL
Projects approved in 2013	Number of projects	12	42	42	96
	Total project budget 2013	7,4	327,1	25,4	359,9
Projects approved: Overall	Number of projects	1005	537	203	1745
	Total project budget since 1985	4782,4	4497,6	139,2	9419,2

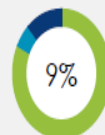
### PROJECTS BY TECH AREA



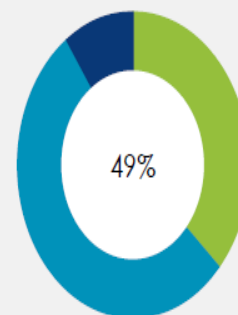
BIOTECH



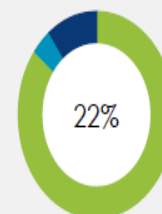
ENERGY



ENVIRONMENT



ICT

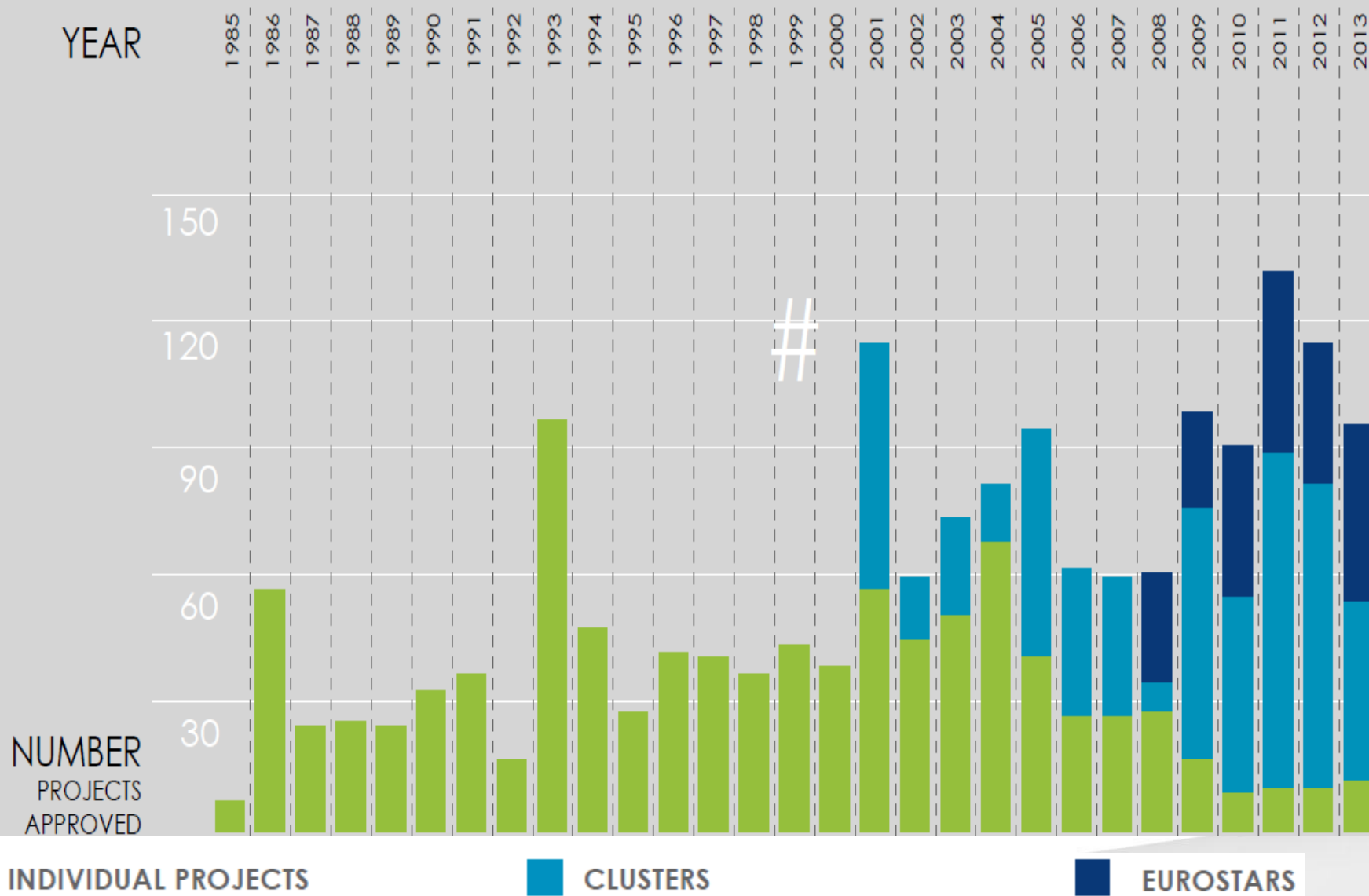


INDUSTRIAL

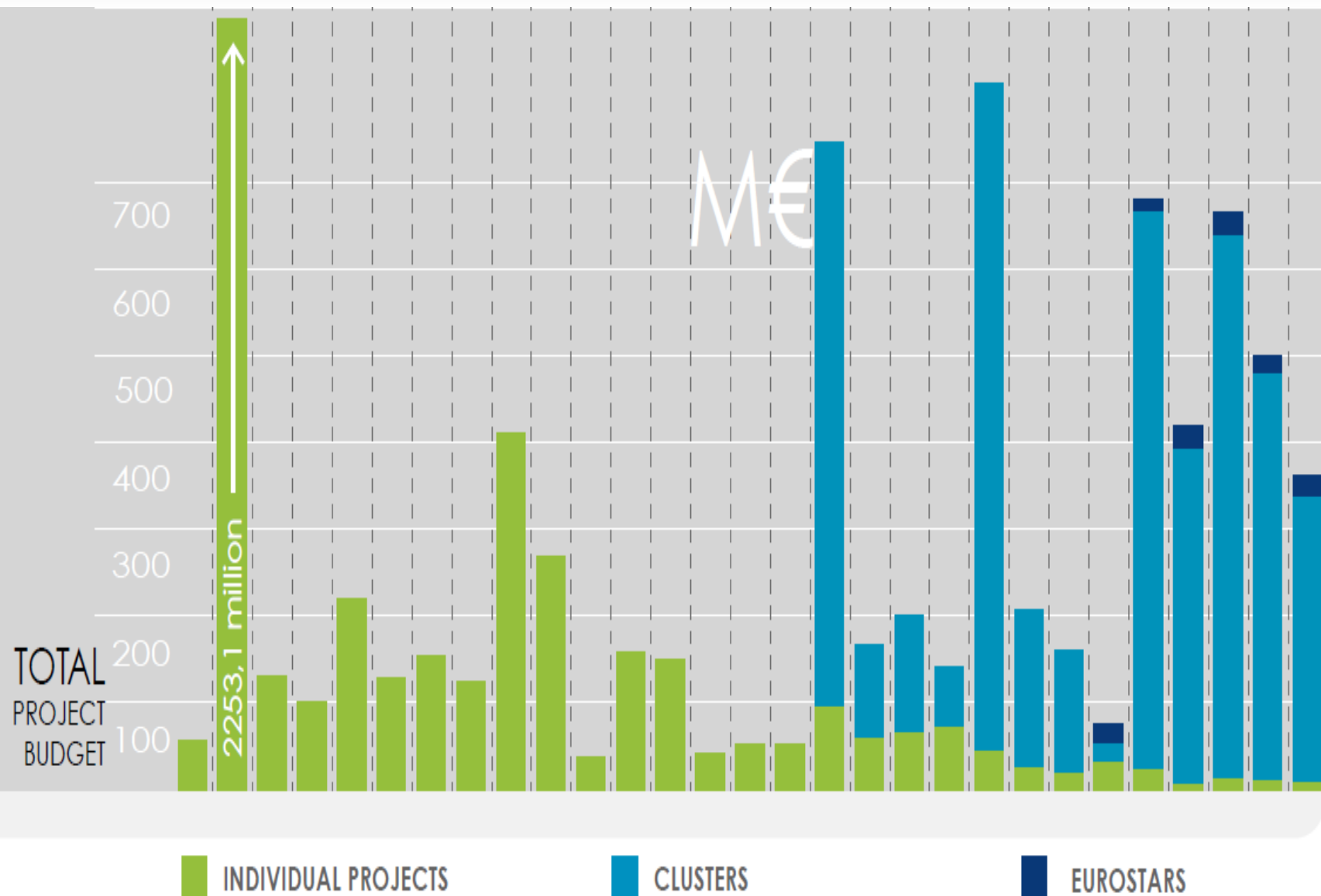


OTHER

# French Participation

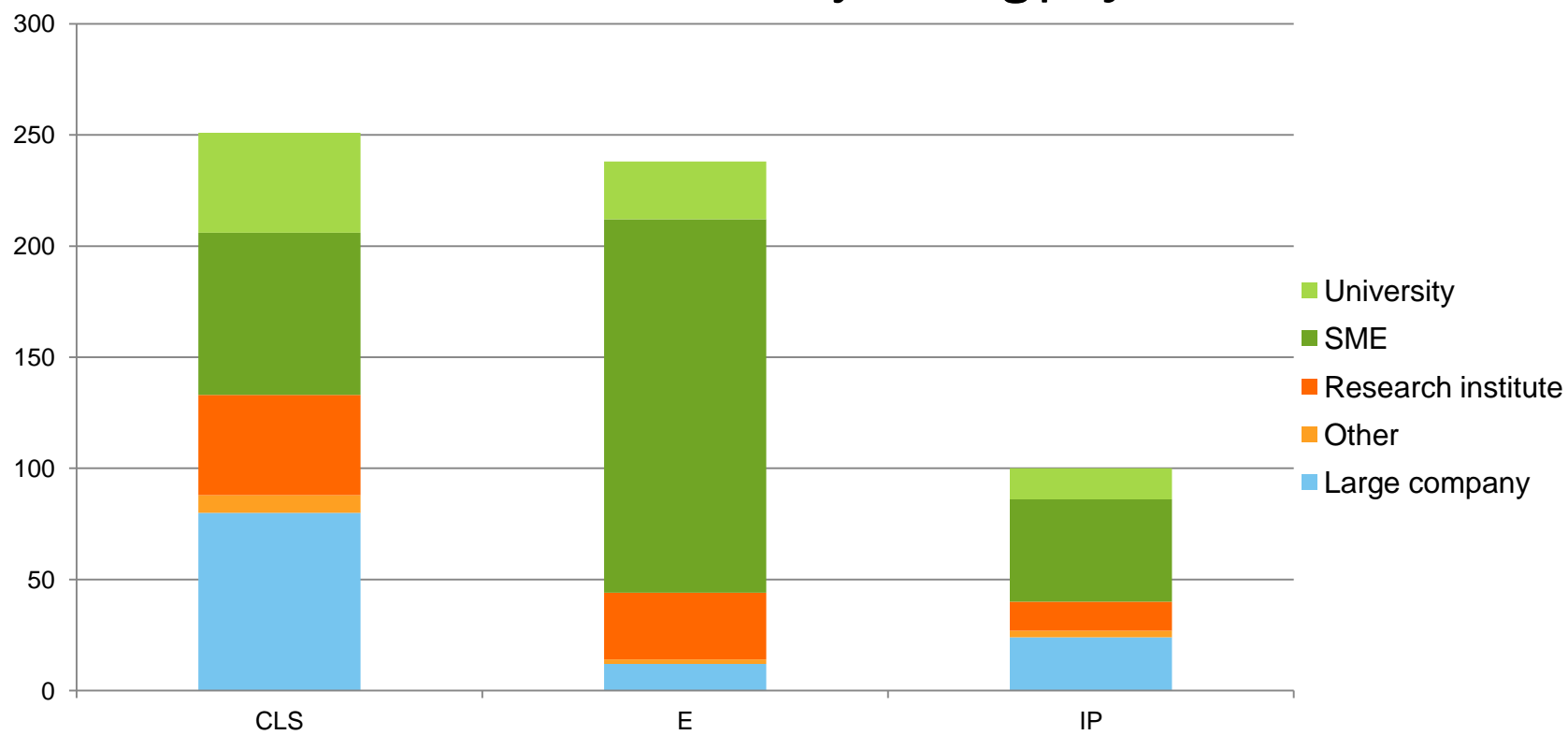


# French Participation





**173 participations by French universities and research institutes in 140 currently running projects**



## Funding of French academia in EUREKA:

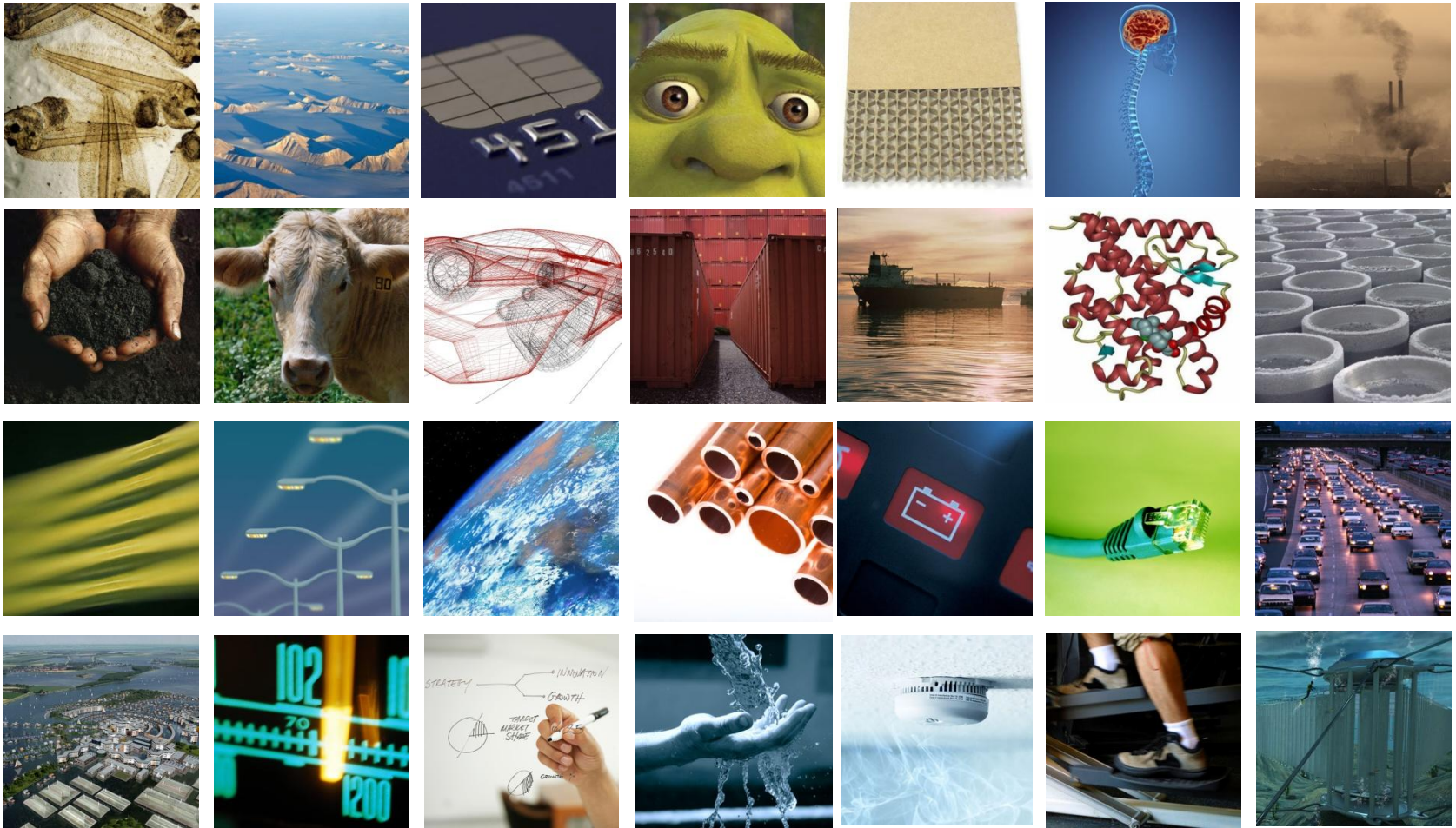
- Within Eurostars:  
40% of their full costs in the limit of 100K euros
- Within EUREKA and bilateral and multilateral calls:  
40% of their full costs in the limit of 50K euros

In any case, academics can also be indirectly funded by being subcontractors of companies.

# EUREKA Success Stories....

# EUREKA Success Stories:

EUREKA  $\Sigma$ !  
innovation across borders



[www.eurekanetwork.org/projects/success-stories](http://www.eurekanetwork.org/projects/success-stories)



## Injection System for Transderm Administration of drugs

Design, test and validate on human skin a needle free drug delivery injector with the advantages: easy to use, safe, efficient in terms of injection, no contamination, no fear from needle. The growing market of new drugs like biologics is targeted.



Countries >  
France, Austria

Cost: 3.58 M€

EUROSTARS project > **E! 4258 ISTAR**

- CrossJect, the company leading the project, signs a **\$ 470 Million worldwide contract**
- Plans to double its staff in the next 5 years



## Monthly replacement multifocal progressive contact lens on moulded silicone hydrogel

The Product, Monthly C2, is a **contact lens** using a revolutionary new material, soft silicone hydrogel and designed by computer with nanometer-precision. Precilens was a declining company, saved by an innovation-minded entrepreneur, who used Eurostars funding to turn his company into a high-tech SME. The result is that the organization opens itself up to a client base just about twelve times larger than before – nearly **90% of a market worth 4.5 billion euros**.



EUROSTARS project > [E! 5614 MonthlyC2](#)

Countries >

France, United Kingdom

Cost: 1.1 M€

- The company's turnover reached **€ 8 Million** in 2012.
- 50 jobs have been saved in the company.



# Success Story



## Integration of APS Technology as the Manufacturing heart of an ERP Platform.

Mid-sized-companies operating in today's economic climate cannot afford to waste time or resources. This software provides an affordable advanced planning and scheduling solution for SMEs in manufacturing sector. The combined expertise of the companies involved has resulted in the first fully integrated ERP/APS solution for mid-sized companies.

EUREKA project > [E! 4992 PlannerOne](#)

Countries >  
France, Germany  
Cost: 0.79 M€

- Over 50 customers are already using the technology, with a deal with Microsoft signed.
- The results have so far enabled the company to report an extra **€ 1.5 Million** in revenue while consequently increasing its staff.



## Intelligent jacket for firemen filled with innovative technology

Emergency workers need real-time information to help them perform their activities completely safe. The high-tech jacket resists heat of more than 180 degrees for five minutes, measure heat and toxic gases, monitor the firemen's body conditions and send information to headquarters automatically. The partners put antennas inside the suits to give them radio connection and printed super-thin materials containing conductive material to allow data to be transmitted and stored for later analysis.

Countries >

France, Czech Republic,  
Germany, Switzerland

Cost: 3.0 M€

### EURIPIDES INTEX CLUSTER PROJECT

- The developed technology will help to tap a wearable technology market expected to hit **€ 6 Billion** by 2018.
- They will now introduce it to Belgian authorities, which want smart suits for all fire crews in the country.



# EUREKA

innovation across borders

[www.eurekanetwork.org](http://www.eurekanetwork.org)

