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.
EUREKA supports projects which are:

- **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
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, 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

<table>
<thead>
<tr>
<th></th>
<th>EUREKA Cluster projects</th>
<th>EUREKA individual projects</th>
<th>Eurostars projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average costs</td>
<td>5-7M€</td>
<td>2M€</td>
<td>1.4M€</td>
</tr>
<tr>
<td>Average Number of participants</td>
<td>6-7</td>
<td>7</td>
<td>3-4</td>
</tr>
<tr>
<td>Average project duration</td>
<td>40</td>
<td>33</td>
<td>29</td>
</tr>
<tr>
<td>Consortium leader</td>
<td>Large company</td>
<td>SME</td>
<td>R&amp;D SME</td>
</tr>
</tbody>
</table>
5 531 EUREKA projects
Private companies represent 68% of participants.

Data for Individual Projects and Eurostars.
The future of EUREKA
By 2020, EUREKA becomes:

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

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
Impacts of individual projects

EUREKA individual projects impact

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

- 1 M€ Public Funds
- 2 M€ Private Funds
- 25 Jobs created
- Turnover achieved during project (1 M€)
- Anticipated turnover after project completion (9 M€)
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:

- 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:

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

[Image of various company logos]
EUREKA CLUSTERS:

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

Turkey (1998-1999): 56
Germany (1999-2000): 34
Spain (2000-2001): 49
Denmark (2002-2003): 21
France (2003-2004): 37
Netherlands (2004-2005): 52
Czech Republic (2005-2006): 52
Italy (2006-2007): 56
Portugal (2008-2009): 45
Germany (2009-2010): 42
Israel (2010-2011): 50
Hungary (2011-2012): 52
Turkey (2012-2013): 43
Norway (2013-2014): 41
EUREKA CLUSTERS:

Total project cost per year / M€

- Individual projects
- Cluster projects
- Eurostars projects
Clusters: total project budget (M€)

- 2009: 817 M€
- 2010: 602 M€
- 2011: 865 M€
- 2012: 786 M€
- 2013: 808 M€
## EUREKA CLUSTERS:

<table>
<thead>
<tr>
<th>CLUSTER</th>
<th>NUMBER OF PROJECTS</th>
<th>PROJECT COSTS (ME€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACQUEAU (water technologies)</td>
<td>3 2</td>
<td>12.2 4.0</td>
</tr>
<tr>
<td>CATRENE (micro and nanoelectronics)</td>
<td>5 9</td>
<td>152.1 245.4</td>
</tr>
<tr>
<td>CELTIC-PLUS (telecommunications)</td>
<td>9 8</td>
<td>87.0 72.2</td>
</tr>
<tr>
<td>EURIPIDES/EURIPIDES² (smart electronic systems)</td>
<td>7 7</td>
<td>27.6 50.8</td>
</tr>
<tr>
<td>EUROGIA+/EUROGIA 2020 (energy technologies)</td>
<td>5 2</td>
<td>25.2 71.9</td>
</tr>
<tr>
<td>ITEA 2 (embedded software)</td>
<td>15 19</td>
<td>180.1 363.6</td>
</tr>
<tr>
<td>MF.IND (manufacturing) has expired in 2013, renewal is under way. It has two projects still running for a total cost of 40 million euros.</td>
<td>8</td>
<td>146.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>44 47</strong></td>
<td><strong>630.2 807.8</strong></td>
</tr>
</tbody>
</table>
EUREKA CLUSTERS:

- 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
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
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Description</th>
<th>Website</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>E!TOURISM+ EUREKATOURISM+</td>
<td>Sustainable tourism and travel through innovation</td>
<td><a href="http://www.eurekatourismplus.eu">www.eurekatourismplus.eu</a></td>
<td>October 2013 – September 2018</td>
</tr>
<tr>
<td>EUROAGRI FOODCHAIN</td>
<td>Agri-Food Sector</td>
<td><a href="http://www.euroagrifoodchain.eu">www.euroagrifoodchain.eu</a></td>
<td>March 2009 to July 2013 (Renewal under preparation)</td>
</tr>
</tbody>
</table>
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
Belgium
Bulgaria
Croatia
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Ireland
Israel
Italy
Latvia
Lithuania
Luxembourg
Malta
The Netherlands
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom
South-Korea
What is a Eurostars project?

**Type of consortium**

- SMEs only 37%
- SME with more than 1 Academic 15%
- SME with Large companies & other type 20%
- SME with 1 Academic 28%

**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?

Eurostars is bottom-up: open to all technological areas.
Concretely, Application Process

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
Concretely, How to Apply

Online registration and application tool

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

### Projects approved in 2013

<table>
<thead>
<tr>
<th></th>
<th>INDIVIDUAL PROJECTS</th>
<th>CLUSTERS</th>
<th>EUROSTARS</th>
<th>OVERALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of projects</td>
<td>12</td>
<td>42</td>
<td>42</td>
<td>96</td>
</tr>
<tr>
<td>Total project budget 2013</td>
<td>7,4</td>
<td>327,1</td>
<td>25,4</td>
<td>359,9</td>
</tr>
</tbody>
</table>

### Projects approved: Overall

<table>
<thead>
<tr>
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<th>INDIVIDUAL PROJECTS</th>
<th>CLUSTERS</th>
<th>EUROSTARS</th>
<th>OVERALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of projects</td>
<td>1005</td>
<td>537</td>
<td>203</td>
<td>1745</td>
</tr>
<tr>
<td>Total project budget since 1985</td>
<td>4782,4</td>
<td>4497,6</td>
<td>139,2</td>
<td>9419,2</td>
</tr>
</tbody>
</table>

### Projects by tech area

- **Biotech**: 13%
- **Energy**: 6%
- **Environment**: 9%
- **ICT**: 49%
- **Industrial**: 22%
- **Other**: 1%
French Participation

Total Project Budget

2253.1 million

INDIVIDUAL PROJECTS

CLUSTERS

EUROSTARS
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....
Success Story

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
Success Story

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

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

Countries >
France, United Kingdom
Cost: 1.1 M€
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

- 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.

Countries >
France, Germany
Cost: 0.79 M€
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.

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.