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Opportunities for SMEs in the 7th Framework Programme

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SMEs and R&D

Categories of SMEs

Question: what type of SME are you?

I am doing R&D
in my company



R&D-performing
SME

I am a user of
R&D results



Outsourcing SME





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FP7 2007-2013 Overall structure

Seventh Framework Programme (FP7)

Specific programmes:

Cooperation – Collaborative research

Ideas – Frontier Research

People – Marie Curie Actions

Capacities – Research Capacity



JRC non-nuclear research

Euratom direct actions – JRC nuclear research

Euratom indirect actions – nuclear fusion and fission research

CAPACITIES

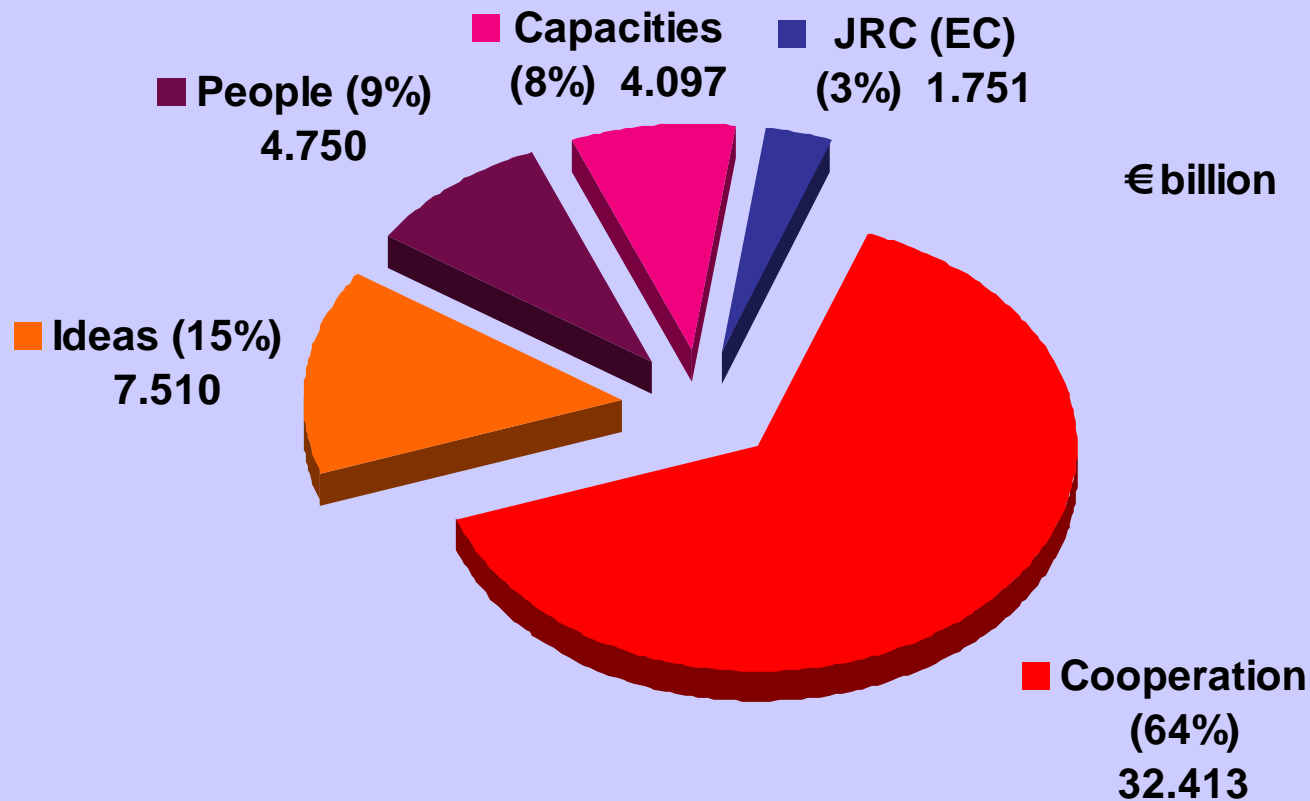


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Seventh Framework Programme

Overall Budget: €50.5 billion over 2007-2013



■ Note: Euratom FP: €2.7 billion - not included above



Seventh Framework Programme Opportunities for SMEs

R&D-performing
SME

R&D Outsourcing
SME



Cooperation

Research for the
benefit of SMEs

FP7



Participation in Joint Programmes
of Member States



Seventh Framework Programme Opportunities for SMEs

Simplification:

- **Simplified financial and administrative procedures**
- **Guarantee fund**
- **Unique Registration Facility (URF)**
- **75% funding** for SME participants
- **SMEs** can keep the advantages of the “**SME Status**” during the entire duration of the project

SMEs in “Cooperation”

- **Target of 15%**
- **10 Themes**
- **Dedicated SME strategy** under each Theme
- **Identification of areas of particular interest** to SMEs in the individual work programmes
- **SME-dedicated call**
- **Coordination and Support Actions** to encourage the participation of SMEs



SMEs in “Cooperation”

- **Target of 15%**
 - **10 Themes**
 - **Dedicated SME**
 - **Identification of SMEs in the indiv**
 - **SME-dedicated**
 - **Coordination and encourage the pa**
1. Health
 2. Food, agriculture and fisheries, and biotechnology
 3. Information and communication technologies
 4. Nanosciences, nanotechnologies, materials and new production technologies
 5. Energy
 6. Environment (including climate change)
 7. Transport (including aeronautics)
 8. Socio-economic sciences and the humanities
 9. Space
 10. Security

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SMEs in “Cooperation”

Joint Technology Initiatives (JTIs)

- ARTEMIS (Embedded computing systems)
- ENIAC (Nanoelectronics)
- FCH (Fuel Cells and Hydrogen)
- IMI (Innovative Medicines Initiative)
- Clean Sky (Aeronautics and air transport)

Public-Private Partnerships (PPPs):

- “Green cars”
- “Energy-efficient buildings”
- “Factories of the future”

Joint programmes (Article 185/ex-169):

- Ambient Assisted Living (AAL)





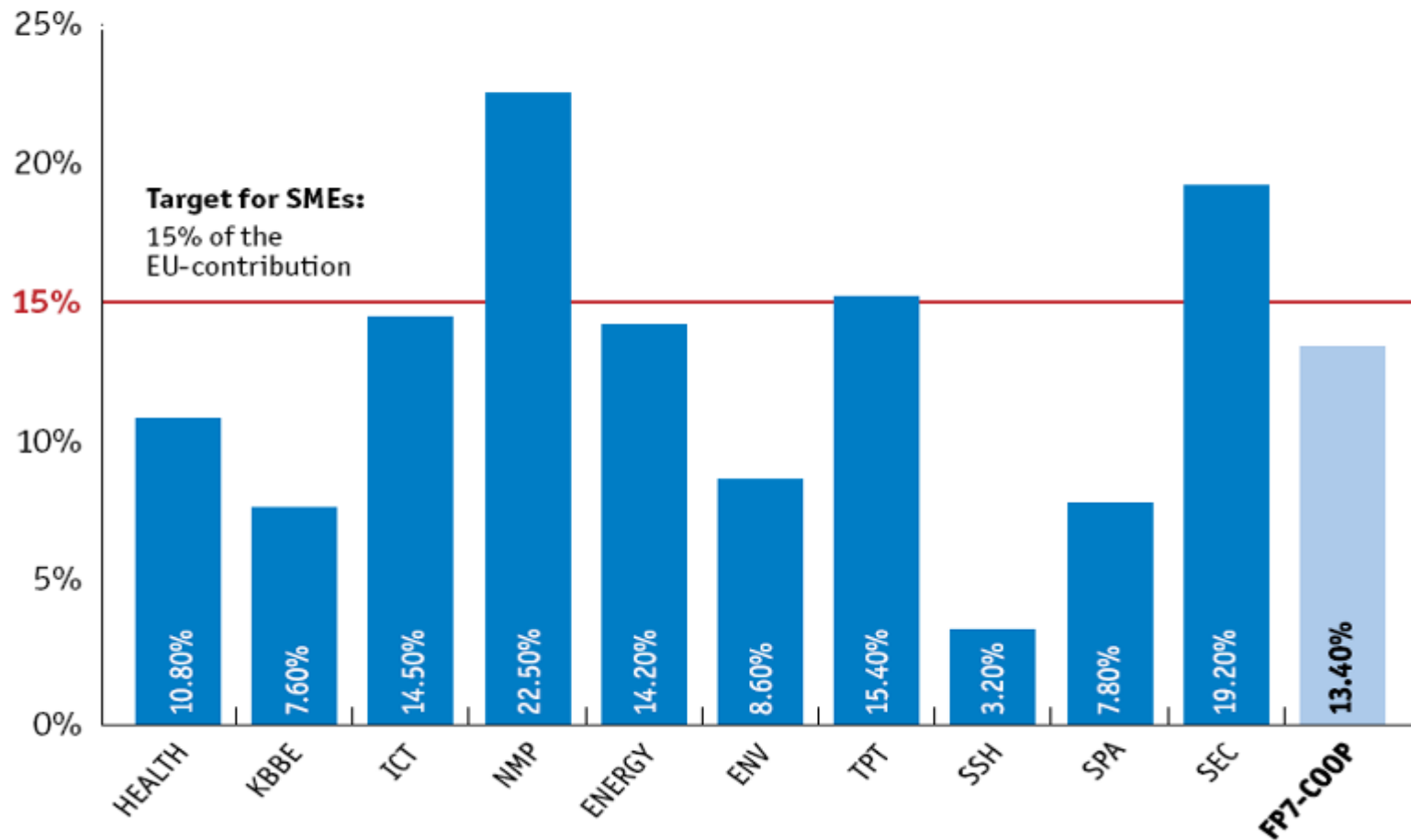
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SMEs in “Cooperation”

Autumn 2009: 13,4% of the funds go to SMEs

Percentage of the EU-contribution going to SMEs





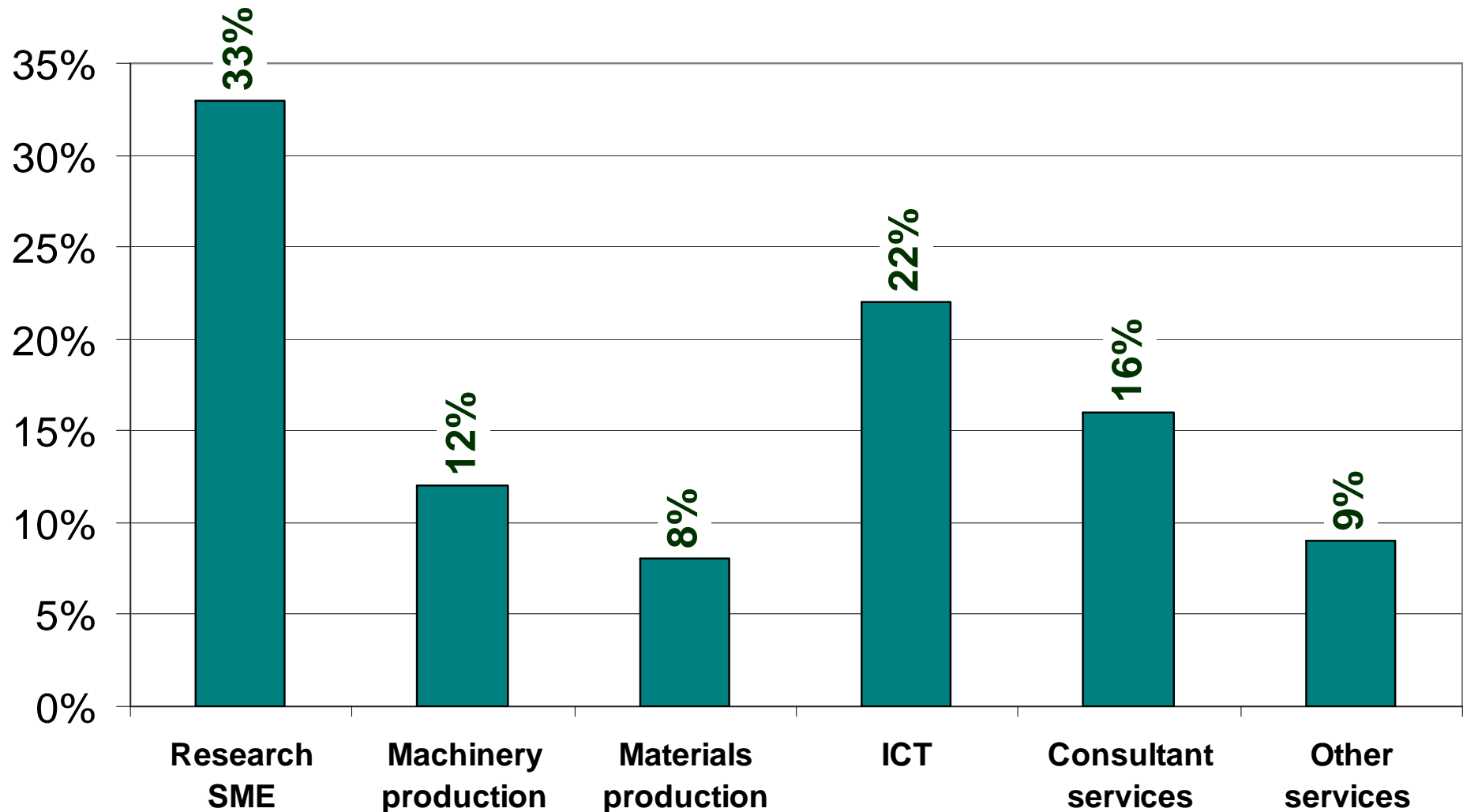
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SMEs in “Cooperation”

Type of SMEs

SMEs in FP7: economic activity





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SMEs in “People”

Industry-academia partnerships and pathways (IAPP) support cooperation between academia and industry encourage SME participation through:

- Staff secondments between academia and industry
- Temporary hosting of experienced researchers from outside

Initial Training Networks support the training of researchers early in their career:

- Transnational network of host organisations
- Direct or indirect involvement of industry





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SMEs in "People"

Example: IAPP

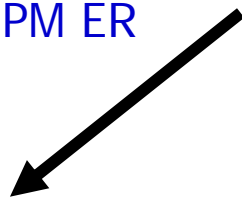
CO-ORDINATOR

€291,000

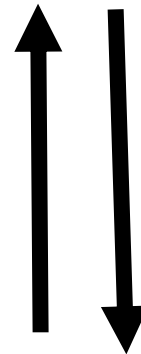


ARC- Architectural freeform structures from single-curved panels – €1.128 million

2x12 PM ER



3x8 PM ESR
2x8 PM ER
2x2 PM MER



1x24 PM ESR
2x8 PM ER
1x4 PM MER

Evolute
Perchtoldsdorf,
Austria **SME**



evolute.
research and consulting

€315,000

RFR Ingénieurs
Paris, France **SME**

€522,000

24 PM
ER



24 PM
ER





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SMEs in “Capacities”

Research for the benefit of SMEs

1. Supporting SMEs outsourcing research activities

- Research for SMEs
- Research for SME associations

2. Developing and coordinating support to SMEs at national level

- Eurostars Article 169 Initiative
- ERA-NETs CORNET & EraSME
- NCP-network

3. Support measures

- Coordination and Support Actions
- Studies





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1. Supporting SMEs outsourcing R&D activities

Research for SMEs:

- Principle: a small group of SMEs outsource R&D tasks to RTD performers
- Low to medium technology SMEs with little or no research capability
- Research intensive SMEs that need to outsource research to complement their core research capability

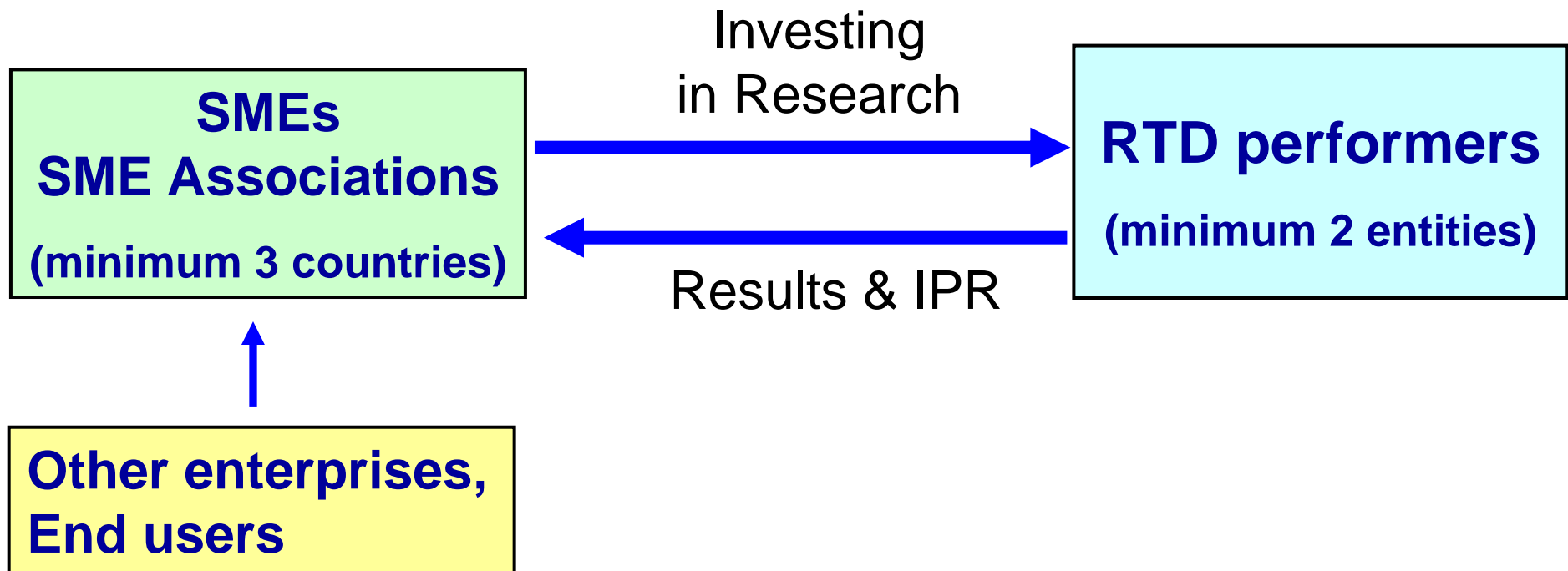
Research for SME associations:

- Principle: SME Associations outsource R&D tasks to RTD performers
- SME associations representing their members and their common technical problems

→ bottom-up approach, no thematic focussing



Principle: Outsourcing scheme “customer-seller” relationship



http://cordis.europa.eu/fp7/capacities/research-sme_en.html



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Key Indications

	Research for SMEs	Research for SME associations
Duration	1-2 years	2-3 years
Number of partners	5-10	10-15
Total budget	€ 0.5 – 1.5 Million	€ 1.5 – 4 Million
Activities	R&D, demonstration, management, other activities	R&D, demonstration, management, other activities





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Example (I)



Project “NAGINELS” – FP6 Cooperative Project
Objective: to develop a laser marking system to embed marks in glass and other transparent materials

- 6 SMEs from 4 countries and 2 RTD performers
- 25 months, EC contribution of EUR 735 345

Concrete results:

➔ *The NAGINELS technology was patented and the 6 SMEs have now set up the company “Trackinside” to develop and commercialise the technology.*



TRACKINSIDE
laser engraving
non aggressive
easy machine



Project “Greenrose” – FP6 Collective Research:

- Targeting European SMEs in the electronics sector
- Aim: production of electronic equipment free of hazardous substances (lead, halogen)
- To ensure compliance with European Legislation (RoHS*, WEEE**, EuE***)
- 26 partners from 8 countries
- 3 years, EC contribution of EUR 2.2 million

Concrete results:

→ *Example: Polish SME Semicon was able to comply with the RoHS Directive and implement up-to-date SMT and THT Technologies; they achieved a 40% increase in production.*

*Directive on the Restriction of Hazardous Substances

**Directive on Waste of Electrical and Electronic Equipment

***Directive on the Eco-Design of Energy-using Products





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2. Developing and coordinating support to SMEs at national level Eurostars Joint Programme

- Eurostars is a **joint R&D programme** between 26 EU Member States (*) and 6 States associated to FP7 (**)
- Target group: **R&D performing SMEs**
- **EUR 400** million public funding available between 2008-2013: EUR 100 million from EC and EUR 300 million from participating countries
- **EUREKA Secretariat** acts as dedicated implementation structure



eurostars

(*) Austria, Bulgaria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, the Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, United Kingdom.

(**) Croatia, Iceland, Israel, Norway, Switzerland and Turkey.



Eurostars Joint Programme Key features

- Support for ***R&D-performing SMEs*** to:
 - conduct **market-oriented R&D** in any field
 - perform the **core research** and to **exploit** the results
 - be in the **driving seat**
 - work in **small, cross-border consortia** (at least two participants from two countries)
 - shorten **time to market**
- **Easy access** through the EUREKA network
- **Integration** of national programmes:
 - Single entry point for project applications
 - Common rules, central evaluation
 - Virtual Common pot

Eurostars Joint Programme Upcoming calls for proposals

Practical information:

4th cut-off date for applications:

25 February 2010

5th cut-off date for applications:

30 September 2010

For more information:

<http://www.eurostars-eureka.eu>



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2. Developing and coordinating support to SMEs at national level ERA-NET actions

EraSME² networks national and regional programmes promoting cooperation between SMEs and Research Organisations from 16 countries

- Next call deadline: 31 March 2010
- More information: <http://www.era-sme.net>



CORNET II networks national and regional programmes from 15 countries promoting collective research

- Next call deadline: 31 March 2010
- More information: <http://www.cornet-era.net>





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3. Support measures: Coordination and Support Activities

- Support to dissemination and exploitation of research results and exchange of good practice
- Contributing to the identification of priority research topics for SME associations, especially by establishing a dialogue with European Technology Platforms (ETP)
- Obtaining a comprehensive insight of national/regional programmes supporting research activities for SMEs
- Studies assessing the impact for the SMEs participating in the SME-specific measures or in the Thematic Priorities of FP5 and FP6
- E-learning training module to inform and advise SMEs on FP7 and to facilitate their access to it





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20.000 SMEs within reach in FP7, until 2013

Predictions - by extrapolation of the data available now:

- COOPERATION : 16.000 SMEs
- CAPACITIES: 4.000 SMEs

Conclusion: 20.000 SMEs could benefit from FP7

Even more is within reach:

- *SMEs participate in the PEOPLE programme*
- *SMEs also benefit from the JTI's and Art. 185 (ex-169)*





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Fourth « SME Progress Report » Autumn 2009



EUROPEAN / European
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PARTICIPATION IN FP7 REPORT
AUTUMN 2009

- **Summary leaflet**

http://ec.europa.eu/research/sme-techweb/pdf/fp7_report_autumn_2009.pdf

- **Full report**

http://ec.europa.eu/research/sme-techweb/pdf/fp7_report_autumn_2009_full.pdf





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SME TechWeb:

http://ec.europa.eu/research/sme-techweb/index_en.cfm



FP7:

<http://ec.europa.eu/research/fp7/>
http://cordis.europa.eu/fp7/home_en.html
<http://cordis.europa.eu/fp7/dc/index.cfm>

CORDIS:

<http://cordis.europa.eu/en/home.html>

SME National Contact Points:

http://cordis.europa.eu/fp7/ncp_en.html

Enterprise Europe Network:

http://www.enterprise-europe-network.ec.europa.eu/index_en.htm

CIP:

<http://cordis.europa.eu/innovation/en/policy/cip.htm>

