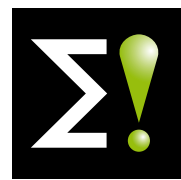


# Annual Review 2010



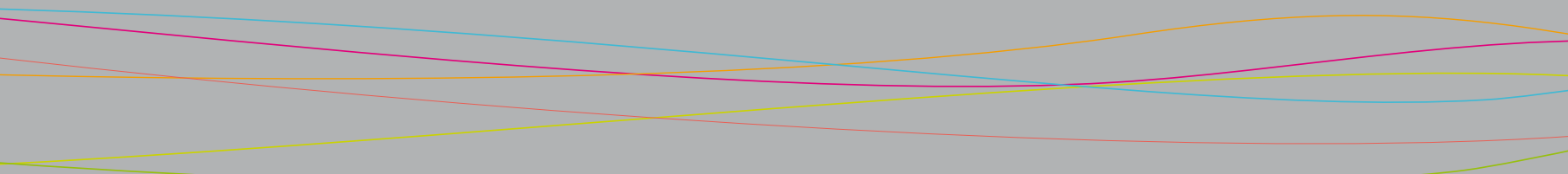
EUREKA 1985  
2010

Doing business through technology



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## EUREKA is the most relevant actor influencing the shape of the next Framework Programme

This was a landmark year for EUREKA, not least because 2010 saw our 25th year of existence. Technology has moved forward at a startlingly fast pace – as has European innovation policy – since those heady days back in '85; but our mission is still as clear as ever: to raise the competitiveness of European businesses and boost national economies, through our support and promotion of research and innovation.

Luuk Borg  
Head of the EUREKA Secretariat, Brussels

2010 also saw the consolidation of our medium-term strategy with the publication, under German Chairmanship, of a Strategic Roadmap for the period 2010-2014. In the Ministerial Conference in Berlin, EUREKA also welcomed Bulgaria as a full member and closed the German Chairmanship year with a promising 644 running EUREKA projects, totalling 1.1 billion euro.

The incoming Israeli Chairmanship set out its own list of ambitious priorities, including the topic of 'financing innovation'. This small country with a remarkable record of entrepreneurship and successful venture capital activity is best placed to tackle such an issue – and we have been witnessing some great high-level debates since July's Chairmanship launch event at the European Parliament.

With the unprecedented SME response to Eurostars, a highly successful example of a joint programme, proving our ability to work well with the European Commission; with EUREKA's continuing contribution to competitiveness and the development of a living, breathing European Research Area; with our current focus on financing innovation – a critical focus also in the Innovation Union flagship initiative, EUREKA is more than ever proving itself as the most relevant actor to influence the shaping of the successor to the Seventh Framework Programme.



When Germany took over the Chairmanship of EUREKA in July 2009, Europe was suffering from the global economic crisis. For recovery, a new strategy for growth, the Europe 2020 strategy, was initiated in the European Union. Convinced that EUREKA could contribute to this route, we were determined to prepare the initiative in the best way to play a key role in this process.

## WALTER MÖNIG

Chairman of the EUREKA High Level Group  
July 2009-June 2010



It has been obvious that this could not be accomplished within one Chairmanship term. A medium-term plan for EUREKA was needed to set the strategic objectives for the future and to provide specific action plans for the next EUREKA chairmanships. After one year of work, the EUREKA Ministerial Conference in Berlin in June 2010 endorsed the idea of implementing medium-term strategic plans in addition to the bottom-up activities and a clearer governance structure. The EUREKA Strategic Roadmap 2010-2014 was adopted. Based on this roadmap, we are now better prepared to increase EUREKA's impact on shaping the European research and innovation agenda.

The German Chairmanship also continued the internationalisation initiative its Portuguese predecessors, namely to structure global partnerships with key strategic partner countries. To this end, an International Cooperation Strategy was developed to provide European companies, especially SMES, with a support framework for global R&D cooperation. With the EUREKA Day in Seoul in March 2010, foundations were laid for a first implementation of this strategy. It has been a starting point for a successful collaboration between partners from EUREKA member countries and the Republic of Korea, being the first Associate Country in EUREKA.

Furthermore, we intended to better involve the EUREKA Clusters in our network. I am glad to see the current 'Cleantech initiative' as a result, being a joint effort of the present Israeli Chairmanship and the EUREKA Clusters to tackle the so-called 'Grand Challenges'. Finally, we made good progress in strengthening the Eurostars Programme: Several countries increased their budgets, and we could further improve the harmonisation of the national procedures.

Last but not least, I want to mention Bulgaria's accession to EUREKA at the end of our Chairmanship term. Bulgaria has been the last missing out of the 27 EU member countries; 25 years after the foundation of EUREKA, Bulgaria became the 40th member of the network.



‘ A culture of innovation, risk-taking, and entrepreneurship ,

‘ In the 25th year of EUREKA's existence, Israel took the reins of EUREKA with pride and a strong commitment to improving and strengthening the network – in particular by utilising some uniquely Israeli assets: a culture of innovation, risk-taking, and entrepreneurship. While leveraging Israeli strengths and best practices in innovation management and financing, the Israeli Chairmanship has focused on a number of priorities, including asserting EUREKA's position in the European Research Area, financing innovation, targeting the 'Grand Challenges', and expanding transnational cooperation.

ELI OPPER

Chairman of the EUREKA High Level Group  
July 2010-June 2011



Indeed, the Israeli EUREKA Chairmanship team has taken full advantage of existing EUREKA instruments and resources in order to advance EUREKA goals and Chairmanship priorities. These priorities, defined in July 2010, have proved critical to ensuring EUREKA maintains and further strengthens its role as one of the leading platforms for economic growth, competitiveness and R&D collaboration in Europe and beyond.

While certainly an ambitious agenda, the Chairmanship moved forward with momentum and continues to do so – for example by targeting grand challenges like climate change and the environment through the EUREKA Clean-Tech Action, the first campaign of its kind in EUREKA. Through dedicated events in Eilat and a focus on inter-Cluster cooperation, the Clean-Tech Action has contributed to generating more projects in the field of clean-tech – essential for European competitiveness and social needs.

In following the achievements of EUREKA's very successful German Chairmanship and that of its predecessors, we hope to leave our mark for the coming years and pass the torch smoothly to the incoming Chair. I wish Hungary only success as it continues to promote EUREKA's goals, advancing the network as a pillar in the European Research Area and beyond.

# 25 YEARS OF SUCCESS STORIES

*Success brings more success.*

For 25 years, EUREKA has been supporting **key European innovative industries**, such as electronics, automotive or medicine, using a strong technological basis to develop even more advanced products and services. From nano-electronics to green cars and gene therapy.

But EUREKA is also about risk-taking and investing in technologies that will tackle the new societal challenges that we face: climate change, energy scarcity, health and ageing, secure information sharing, water quality, or epidemic diseases.

Thousands of people have been working on the advancement of technologies that have been changing the lives of millions of European citizens. The EUREKA projects they have brought to a satisfactory end have helped to launch new products and services onto the market worldwide, ensuring the competitiveness of European companies. We are proud to present some of the achievements of those people and their dedication to innovation.

Here is a small selection of some of EUREKA's latest successes...







E! 4160 VICATS

### **Making European Roads Safer**

A fully automated traffic surveillance system playing a key role in mitigating congestion and enabling emergency services, making road travel across Europe safer for all.

MEDEA+ TSC

### **Secure Information Sharing**

90% of our laptops are already equipped with this system allowing a drastic increase in online security and offering our computers and mobile phones a shelter from hackers and viruses.

E! 4104 ECOPROMAT

### **Fighting Animal Epidemics**

A new absorbent matting using all-natural materials, ideal for providing a disinfectant barrier for use in animal housing and food production sites at times of outbreak of contagious disease.

E! 3904 INTBAT

### **Creating the Battery we will need**

An interoperable standard for electric batteries offering an increased autonomy in order to answer the new needs of the mobility market and provide an essential element for future green cars.

E! 4195 DUALPLEX DISPLAY

### **Watching Movies in 3D**

3D TVs designed in South East Asia or the United States reached this year our living rooms, but the result is not flawless. A new technology will help European companies to outperform the competition.

E! 3184 ODYSSEUS

### **Seeing Inside the Body in 3D**

Surgeons can now use 3D, accurate images of the liver to rehearse keyhole tumour removal before real surgery, reducing the risk to the patient and enabling them to take expert advice.

E! 4117 HTH PUMP

### **Finding Alternatives to Fossil Fuels**

Ground-source heat is a cost-effective energy resource widespread in Europe and a good alternative to fossil fuels for countries that depend on energy imports and need to cut their CO2 emissions.

E! 3371 GENE TRANSFER AGENTS

### **Healing your Genes**

European researchers have synthesised a range of organic compounds able to carry genetic material into individual cells where it can remedy the diseases caused by defective genes.

MEDEA+ ONOM@TOPIC+

### **Making Phones Smarter**

Soon we will use our mobile phone to buy bus and train tickets and access health and other public services in several European states by just presenting an electronic card or passport.

E! 3452 DINAS

### **Developing Smart Grids**

A technology which remotely locates and isolates an electrical fault wherever it occurs in a power distribution network and restores the current in seconds, making lengthy power cuts a thing of the past.

E! 3812 FOTOINTEGRAL

### **Using Solar Energy**

Putting solar panels onto houses and offices once seemed good for the environment but a nuisance for architects. Now buildings can easily be green and beautiful thanks to an invisible photovoltaic film.

E! 3424 RECAN

### **Making Artificial Antibodies Cells**

This project is a starting point for the production of novel, highly specific artificial antibodies with a wide range of biomedical applications, notably leukaemia treatment, and is already commercially available worldwide.

CELTIC ENCOMPAS-2

### **Making your Electronics work Together**

This project provides a pioneering solution to manage our communications needs and makes telecom technologies present in our homes, offices, cars and pockets simpler and more integrated.

E! 3025 MONALISA

### **Producing Safer Food**

A new product with a huge potential market worldwide as a completely natural alternative to the formerly-used antibiotics, now prohibited from use in animal feed in the European Union.

ITEA 2 PARMA

### **Bringing Computers to the Next Level**

IT specialists enhanced the power of European super-computers by developing an integrated set of programming methods required to harness the power of the latest multi-core processor architectures.



# EUREKA in figures...

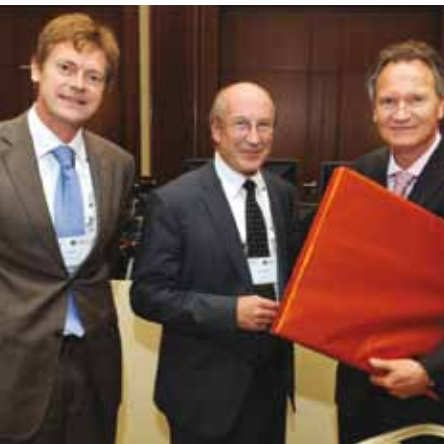
<b>343</b> EUREKA projects generated in 2010	<b>1.1 B€</b> in total value	<b>2210</b> organisations involved in EUREKA projects
<b>153</b> individual projects	<b>225 M€</b> individual projects	<b>45%</b> of the participants are SMEs
<b>41</b> CLUSTER projects	<b>683 M€</b> CLUSTER projects	<b>16%</b> of the participants are large companies
<b>149</b> EUROSTARS projects	<b>210 M€</b> EUROSTARS projects	<b>36%</b> of the participants are research institutes and universities



In 2009-2010, Germany assumed the annual rotating Chairmanship of EUREKA. The aim of the German EUREKA Chairmanship was to advance the strategic scope of action for EUREKA.

Taking up the achievements of previous Chairmanships, particularly those of Slovenia in 2007-2008 and Portugal in 2008-2009, Germany was committed to strengthening EUREKA as an active partner in shaping the European Research Area, with an emphasis on promoting the participation of small and medium-sized enterprises in the implementation of international cooperation projects. A big step in this direction has already been done through the Eurostars Programme, jointly funded by EUREKA member countries and the European Commission. Moreover, a key task will be to seek and intensify the cooperation with partners outside Europe already begun with the association of South Korea to EUREKA in June 2009.

The German Chairmanship also focused on the creation of viable organisational structures within EUREKA to ensure strategic continuity throughout successive Chairmanships; enhanced cooperation with strategic initiatives, the 'EUREKA Clusters' - and the increase of EUREKA's visibility as a political actor in the European Research Area. The fruitful meetings organised throughout the Chairmanship year across Germany aimed at strengthening R&D cooperation. The EUREKA Ministerial Conference, gathering the Research Ministers of 38 European countries, took place in Berlin on the 25 June, announcing 152 new individual projects worth 229 million euro, as well as 85 Eurostars projects, worth 128 million euro.



**'EUREKA has now become an indispensable element of the European Research Area.'**

ANNETTE SCHAVAN  
Federal Minister of Education and  
Research in Germany

**'25 years after EUREKA's launch, small and medium-sized businesses are still so central in a globalised world of big brands.'**

WALTER MÖNIG  
EUREKA High Level Group Chairman

WOLFGANG AXMANN  
EUREKA National Project Coordinator  
Group Chairman



# NETWORK MEETINGS

EUREKA German Chairmanship



**COLOGNE**

NPC2 & HLG2

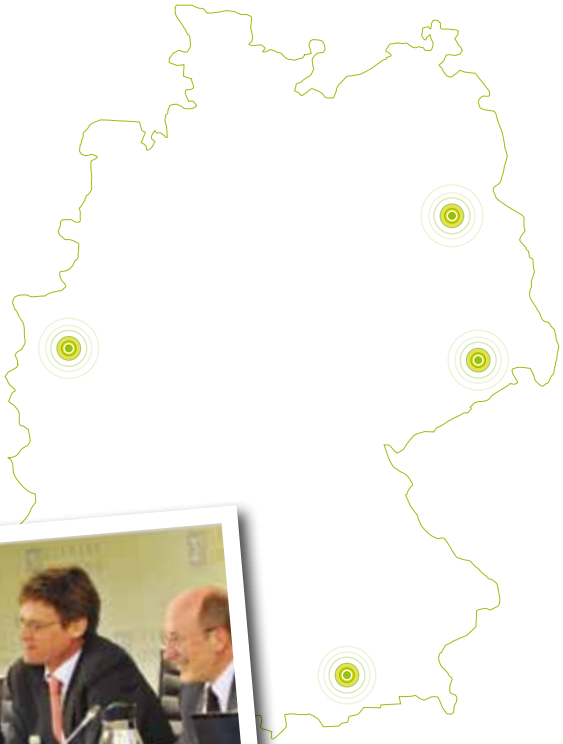
4/5 February 2010



# MUNICH

NPC3 & HLG3

14-16 April 2010





## BERLIN

NPC4 & HLG4

23/25 June 2010

Ministerial Conference

26 June 2010







# XXV EUREKA Ministerial Conference Report

“We will strengthen the competitiveness of Europe. EUREKA has now become an indispensable element of the European Research Area.”

## Bulgaria welcomed as new EUREKA member



So stated Research Minister Annette Schavan, as she concluded both the XXV Ministerial Conference in Berlin, and her nation's 12-month chairmanship of EUREKA.

Schavan stressed EUREKA's key role as a proven instrument for cooperation in Europe. One of the main objectives of the German Chairmanship was to steer the future direction of EUREKA – the result of its work is the EUREKA Strategic Roadmap 2010-2014 (see page 18), adopted by ministers at the Conference in June.

Another key chairmanship objective was to strengthen EUREKA's international orientation: EUREKA ministers emphasised the network's significance as an appropriate instrument for promoting the development of new technologies and their successful marketing, thus reducing the innovation gap between Europe and other parts of the world, particularly the USA and Japan.

The XXV Ministerial Conference, held in Berlin on 25 June, welcomed Bulgaria as new EUREKA member, represented by Evgeny Angelov, Deputy Minister of the Ministry of Economy, Science and Tourism of the Republic of Bulgaria. The Republic of Bulgaria, the only EU-27 Member State not a full member of EUREKA, has shown its interest to be actively involved in the EUREKA framework including the Eurostars Programme.



EUREKA  
INNOVATION  
AWARD 2010

Doing business through technology



## Really smart card project scoops EUREKA 2010 Innovation Award

Berlin, 25 June 2010 – A French-led EUREKA smartcard project has scooped the 2010 Innovation Award, announced in a ceremony in the German capital. Federal Secretary of State for Research Georg Schütte handed over the prize – a trophy and a media package worth 15,000 euro - to a delighted Jean-Pierre Tual, Industrial Relations Director at project leader Gemalto, who led the project under the EUREKA MEDEA+ Cluster 2A302 ONOM@TOPIC+.

ONOM@TOPIC helped to keep smartcard leadership in Europe – six European manufacturers own 80% of the global smartcard production capability. Results of this project have brought substantial changes in important fields (smartcards, e-government, biometrics). Excellent R&D results have been exploited in many countries and regions, from Bahrain, Qatar and India to Singapore and the USA. The project resulted in significant contributions to world standards. ONOM@TOPIC has already received recognition through the receipt of the MEDEA+ 'Jean-Pierre Noblanc' award in 2007; the Isabelle Attali award in 2007; the Global Frost & Sullivan Award for Emerging Company of Year 2008.



# Results of the EUREKA Innovation Award 2010



Doing business through technology

Finalists E!417 EUROMAR MERMAID  
'Marine Environmental Remote-  
controlled Measuring and Integrated  
Detection' and MEDEA+2T103  
FOREMOST Integration of 45 nm CMOS  
technology' also received credit for  
outstanding achievements in their  
projects.

**EUROMAR MERMAID** had a high economic impact on the company that produced a spin-off the FerryBox, – an automated water pollution controlling system for unattended operation on cruising commercial ships. Almost 50% of the world population lives near the coast and thus rely on stable water quality. With the MERMAID technology the marine environment can be monitored more cost-effectively and official monitoring authorities can have a much better overview of the environmental conditions. A Canadian company made a critical contribution to the consortium; China, Indonesia, India, Japan and Korea intend to use MERMAID for their environmental management. MERMAID won the Lillehammer Award for innovation in sustainable environmental technologies in 2003.



**Companies participating in other finalist FOREMOST** expect an extremely high economic impact: all major companies involved in multimedia and mobile hand phone development are expected to use ST-based 45/40nm low power processes; 30 patents have been submitted. The project has contributed to remarkable increase of employment in Crolles and Dresden, also due to the participation in the IBM 32nm CMOS foundation worldwide consortium. Scientific results are equally impressive with worldwide exploitation. FOREMOST has helped to maintain Europe's lead in CMOS integrated circuit manufacture in the world market. This project is also the highest ranked project with a partner from the incoming Chairmanship country Israel, underlining the importance of international cooperation.



# Great European minds thinking alike come up with new EUREKA Strategic Roadmap

This time, the fruit of intensive study, discussion and trans-frontier collaboration is not yet another successful EUREKA innovation, but rather a medium-term strategic roadmap - or SRM, for the next four years of EUREKA's already-significant life. Endorsed by ministers at the Berlin Ministerial Conference last June, this recently-published document offers a vision of how EUREKA might help increase the competitiveness and innovation capacity of European industry - making the concept of a European Research Area (ERA) a reality.

The EUREKA SRM 2010-2014 puts forward three bold priorities:

- > a leading role in the ERA;
- > a broadened toolbox and thematic scope;
- > enhanced coordination of public RTDI measures, thus illustrating the direction in which the organisation sees itself developing in the future.

By 2014, states the document, EUREKA should be taking a leading role in the ERA, as an attractive framework for European and international trans-frontier cooperation of industry – particularly small and medium enterprises (SMEs) – in market-oriented R&D and innovation in Europe, in partnership with European stakeholders and strategic partners world-wide.

Within these same four years, EUREKA should have also broadened its toolbox and thematic scope in areas where international industrial research, technological development and innovation (RTDI) yield added-value, particularly in terms of economic growth, competitiveness and in response to major societal challenges.

Perhaps the boldest of the three priorities is the third. By 2015, states the document, EUREKA will have triggered 'significantly enhanced coordination of public RTDI measures' within its 40 member countries, with the objective of strengthened transnational cooperation. Additionally, seven fields of action are to be implemented, based on strong governance, as reviewed under the German EUREKA Chairmanship (2009-2010), which instigated and led the development of the SRM. They are the promoting of individual cooperation projects in industrial R&D; fostering European SME support through EUREKA; boosting EUREKA strategic initiatives; supporting follow-on activities of EUREKA projects; strengthening the international dimension of EUREKA; promoting EUREKA as a platform for innovation policy dialogue and stakeholder communication and assessing the impact of EUREKA and its portfolio.

The SRM is a critical element in EUREKA's governance and is a document based on consensus among EUREKA members, providing strategic direction over its four-year duration. Its purpose - to ensure operational and strategic continuity of EUREKA - means the SRM will guide successive Chairmanships in the development of their priorities, which they present in their Annual Work Programme. But the SRM is also a reference document for EUREKA's customers and beneficiaries, motivating them to generate projects and make full use of the instruments of EUREKA. The EUREKA Strategic Roadmap is available for download at [www.eurekanetwork.org](http://www.eurekanetwork.org)

# Eurostars Programme 4th application deadline



Over 300 applications, representing more than 1,000 applicants, were received by 25 February 2010 – the latest application deadline for the Eurostars SME joint research funding programme.

More than 70% of applicants are SMEs, the main target for funding, proving that the programme truly responds to this crucial sector's needs and expectations. The Eurostars Independent Evaluation Panel (IEP) announced early this year that 102 of the 316 applications received by the February 2010 deadline had surpassed the quality threshold. National Funding Bodies from Eurostars-participating countries funded 64 of these, based on the IEP ranking. Total public funding estimates amount to 29 million euros from the Member States, topped up with 10 million from the European Community.

With two cut-offs a year as of 2010, National public funds earmarked to the programme have substantially increased in some participating countries, in order to better support the research excellence being carried out by SME-led project consortia under the auspices of Eurostars.



EUROSTARS KEY FIGURES	1 <sup>st</sup> Cut off	2 <sup>nd</sup> Cut off	3 <sup>rd</sup> Cut off	4 <sup>th</sup> Cut off	5 <sup>th</sup> Cut off
Applications received	215	317	279	316	343
Total budget	311 M€	445 M€	389 M€	421 M€	496 M€
Number of applicants	671	1110	958	1061	1102
Projects funded	90	90	85	64	71
SMEs share of costs	83%	84%	77%	77%	80%
% R&D SMEs and SMEs in funded projects	73%	72%	69%	67%	68%

The Eurostars Programme is powered by  
EUREKA and the European Community





# Eurostars Programme

## 5th application deadline

Eurostars has shown itself to be the programme of choice for European R&D performing SMEs today. The fifth Eurostars cut-off has seen a 10% rise in the number of applications, with a grand total of 343 submissions.

1102 applicants from 39 different countries were involved, 70% of which were SMEs. The interest of Eurostars is also expanding beyond Europe with European led projects including partners from Brazil, the People's Republic of China, South Korea and the United States of America.

You can find detailed information about the Eurostars programme and information on how to apply at [www.eurostars-eureka.eu](http://www.eurostars-eureka.eu)

**Eurostars in 2011: The 6th Eurostars Cut-Off closed on 25 March 2011, with 402 project applications submitted, representing a 17% rise compared to the previous Cut-Off.**

**The next deadline for the submission of applications is 22 September 2011, 20:00 CEST.**

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

## Eurostars in 2010: an overview

With two Cut-offs organised in 2010, Eurostars has entered a new dimension. In only two years, the number of applications submitted has tripled, with 595 applications this year, compared with 317 in 2009 and 215 in 2008.

This year, EUREKA members expected funding reached 98 M€ (Member states and EC top-up) representing a 40% increase compared to the initial earmarked budget of 70 M€. 149 projects are funded, thanks to the strong commitment of EUREKA members towards the programme and its flexibility with seven members increasing their earmarked budget and five members putting additional funds.

In 2010, Eurostars also went through the mid-term evaluation of the programme, carried out by a group of Independent Experts chaired by Ms Laperrouze, former Member of the European Parliament and Vice-president of the ITRE committee. As stressed by the experts in their report, "Eurostars is an excellent programme concept that is well aligned with the objectives of Europe 2020 and the need to nurture technology-intensive SMEs".

The experts also stated that "Eurostars complements both the activities of the framework programme and EUREKA by offering a bottom up programme, which is specifically tailored towards R&D performing SMEs. Eurostars places SMEs in the driving seat, favours small consortia, encourages market-oriented research and offers a secure funding mechanism to project participant."

Indeed, the Eurostars model fits perfectly the SME needs and the success of the programme benefits from a large extent of EUREKA's well established network of national project coordinators and national funding bodies.

# Eurostars Funding Agencies Conference

Within the framework of the newly-founded EUREKA Academy, the second National Funding Bodies Conference took place at the EUREKA Secretariat on 10 November 2010.

Over 30 countries of the EUREKA network participated in the first conference dedicated to improve the time-to-contract. Best practices for short time-to-contract were presented by Norway, UK and Denmark.

After fruitful discussions within five working groups formed by the participants of the Conference, some important points were highlighted in order to tackle the challenge of a shorter time-to-contract. On one side, the finalisation of the consortium agreement for the project was one of the points raised by most of the groups as a limiting factor. On the other side, defining strict and common deadlines was stressed as important for the participants and the National Funding Bodies. This would allow an easier and quicker examination of the financial information to be provided by the participants to the National Funding Bodies.

Further development of this key subject will be worked out with the involved NFBs in the forthcoming conferences.





eurostars™

# Milk, honey and high tech

## Israel at the helm of EUREKA



On 1 July, Israel assumed the Chairmanship of EUREKA. Israel's appointment reflects the significant contribution of Israeli academia and industry to innovation, and the robust participation and leadership of Israeli companies in EUREKA projects.

Inheriting 25 years of EUREKA innovation, the Israeli Chairmanship will focus on intensifying interest and value in the EUREKA platform. Minded towards industry-specific innovation in line with the EUREKA Strategic Roadmap (SRM), the Israeli Chairmanship will strive to position EUREKA as a key industrial innovation platform in the European Research Area (ERA). Leveraging Israeli best practices in innovation management and financing instruments, a special focus will be dedicated to developing new models and sources of funding for EUREKA industrial participants, in particular SMEs and start-up companies.

Further priorities of the Israeli EUREKA Chairmanship include:

- Improving innovation support services to industrial members, start-up firms, R&D companies and key stakeholders by developing partnerships and alliances;
- Incorporating new financing models to motivate investment in predominant EUREKA projects;
- Working in hand with EUREKA strategic instruments to contend with Grand Challenges in fields such as climate change, security, energy and environment;
- Developing a continuation scheme for Eurostars through enhanced collaboration with network members, the European Commission and the EUREKA Secretariat;
- Expanding global cooperation strategy, implementing international cooperation with new countries and networks.





**'It is a great honour and challenge for Israel to assume the Chairmanship of EUREKA, especially in the network's 25th year. I am confident that the Israeli EUREKA Chairmanship will significantly contribute to the already-excellent scientific and industrial relations between Europe and Israel, Trade and Labour.'**

BINYAMIN (FOUAD) BEN ELIEZER  
*Minister of Industry*

**'Our goals include increasing sources of funding for EUREKA projects from private investors, public funding and European investment institutions'**

DR ELI OPPER  
Chief Scientist of Israel and the incoming Chairman of the High-Level Group (HLG)

**'Today, it is hard to find a cutting-edge technology without Israel's imprint'**

MICHEL HIVERT  
MATIMOP's Director General and Israel's High-Level Representative (HLR) in EUREKA

# 'Promoting a culture of innovation'

The EUREKA Israeli Chairmanship launch event at the European Parliament in Brussels  
13 July 2010



The incoming Israeli Chairmanship planned a second edition of a Chairmanship launch conference with the ambition to further develop and build upon the experiences of its German predecessors in Dresden, in July 2009.

The Chairmanship decided to precede the event with a gala dinner, which took place at the prestigious Concert Noble in Brussels on the evening of 12 July.

Over 200 participants, many of them key European stakeholders, members of EU Permanent Representations, MEPs, Commission and Council representatives, EUREKA network and Clusters gathered to listen to interventions by high-level speakers from Europe and Israel. The event split into two distinct parts, separated by a coffee break – first, a 'EUREKA in the ERA' session and secondly, an Israeli-led session; the whole was moderated by ESE director Luuk Borg. Highly animated Q&A sessions indicated that those attending the event were interested in the subject matter and considerable positive feedback and compliments were received from participants on the programme and content. As a follow-up to this launch conference, planning is in place for another high-level event at the European Parliament, but on a smaller scale.





Speakers at the 'Promoting a culture of innovation' event included:

**Eli OPPER**, EUREKA Chairman, Chief Scientist, Ministry of Industry, trade and labour; **Per-Ove ENGELBRECHT**, Head of unit: Financing Innovation and SMEs , European Commission; **António Fernando CORREIA DE CAMPOS**, Member of the European Parliament; **Gerard DE GRAAF**, Head of unit: Strategic Objective Prosperity, European Commission; **Rudolf HAGENMÜLLER**, Chairman of EUREKA Software-intensive systems and services Cluster ITEA 2; **Meir SHEETRIT**, Member of the Knesset – Chairman Science and Technology Committee; **Shuki GLEITMAN**, Founder and the GP of Platinum VC fund; **Chemi PERES**, Managing General Partner and Co-Founder Pitango Venture Capital; **Dafna SCHWARTZ**, Department of Business Administration, and director of Bengis Center for Entrepreneurship and Hi-Tech Management, Ben Gurion University; **Tomer KARIV**, CEO of Pontifax Funds; **David ALMAGOR**, Chairman, CEO, Co-Founder Panoramic Power; **Doron SHALOM**, CEO of MS Tech; **Bastiaan BELDER**, Member of the European Parliament.



All the presentations given by speakers at the conference and a selection of photos can be found at

[www.eurekanetwork.org/ep-israelichair-event](http://www.eurekanetwork.org/ep-israelichair-event)

# NETWORK MEETINGS

EUREKA Israeli  
Chairmanship



**Tel Aviv**  
NPC1 & HLG1  
October 2010







## EP lunch debate on financing innovation



Following the successful Conference 'Promoting a Culture of Innovation' at the European Parliament on 13 July, EUREKA, under its Israeli Chairmanship, once again hosted a debate on Financing Innovation at the second edition of the European Innovation Summit, at the European Parliament on 12 October.

European parliamentarians António Correia de Campos and Paul Rübiger hosted the debate which attended high-level representatives from the European Investment Bank, the European Commission, venture capitalists and key stakeholders in the field. The debate highlighted Europe's need for more options on EU patent and Venture Capital and participants shared best practices from Israeli experience in R&D.

During the three-day exhibition in the European Parliament buildings, EUREKA also showcased at its stand the EUREKA EUROGIA+ Cluster CO2 Field Lab project for designing a CO2 storage site, the EUREKA 3732 EPOW project, a smartcard for healthy eating at school and the EUREKA 4195 DUALPLEX DISPLAY project, a breakthrough in 3D technology. EUREKA representatives Rudolf Haggemüller, ITEA2 Chairman, Casper Zulim de Swarte from the Dutch Funding Agency Agentschap NL, Joao Santos Silva from EUREKA Portugal and Luuk Borg, Head of the EUREKA Secretariat, joined with European Parliamentarians and Commissioners at the various Summit's sessions.







## 12 YEARS *of* ITEA

Achievements & results of the EUREKA programmes ITEA & ITEA 2



INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT

## ITEA2 Co-summit 12 years of ITEA a record of long-term success



On 26-27 October the EUREKA ITEA2 Cluster for software-intensive systems and services in cooperation with ARTEMIS Joint Undertaking organised together their 3rd annual Co-summit in Ghent, Belgium.

Over 600 participants from industry, academia and public authorities got together to discover 72 ground-breaking projects and attend plenary and parallel sessions focusing on this year's theme 'mobile and cloud power enabling massive scalability and opportunities for growth'.

Day 1 of the two-day event offered an opportunity for ITEA 2 and ARTEMIS participants to see the progress made by their communities, while Day 2 provided an overview of the subjects reflecting the theme of the Co-summit.

ITEA2 Chairman Rudolf Haggenmüller opened the well-attended conference by presenting the outstanding success of the Cluster as testified by the new '12 years of ITEA: Achievements & results of the EUREKA programmes ITEA and ITEA 2' book. The publication shows the vital role that these programmes have played in building a major resource to maintain and grow Europe's industry through innovation and the mastering of software-intensive systems and services. It also outlines the need for ITEA 3. ITEA2 Vice-Chairman Philippe Letellier highlighted the Cluster's focus on societal challenges, innovation and business impact.

Three ITEA projects were shortlisted for the 2010 Achievement Award: ESNA, ParMA and Cam4Home. '2010 was the year of fast exploitation of project results,' said ITEA 2 Chairman Rudolf Haggenmüller. This was reflected in the three projects shortlisted for the 2010 ITEA Achievements Awards. The standard of projects finishing in 2010 was high, making the choice of three winners particularly difficult.

ESNA and ParMA were joint Gold award winners, while Cam4Home was the 2010 Silver award winner.

'ITEA's specificity lies in its effort to build local ecosystems while connecting them at European level,' stressed Philippe Letellier.

“ Our success is in the concrete market and societal impact of the projects. ”

RUDOLF HAGGENMÜLLER  
ITEA 2 CHAIRMAN



# European Nanoelectronics Forum 2010

Public-private  
partnerships crucial  
for European  
competitiveness



First MEDEA+/CATRENE  
innovation award  
provides recognition for  
fight against  
cybercrime

“ The race for innovation has not ended. We must talk at sectoral policy level and not just about R&D. ”

ENRICO VILLA  
CHAIRMAN OF CATRENE AND ITS  
PREDECESSOR MEDEA+

Madrid saw the third edition of the European Nanoelectronics Forum on 16-17 November 2010 attracting over 350 participants with 150 poster displays in addition to a packed conference programme.

The successful event organised jointly by the EUREKA CATRENE nanoelectronics Cluster and the ENIAC Joint Undertaking (JU) reflected the fast return of the global micro- and nanoelectronics market to growth after three quarters of less sparkling performance. However, increased spending on R&D is essential to improve the position of Europe in this key technological area – and the public sector has an important role in supporting industry to ensure a sustained European presence. The public authorities are now committed to extending CATRENE and discussions are in progress on the prolongation of funding for the ENIAC JU.

‘The race for innovation has not ended,’ said CATRENE Chairman Enrico Villa. There is a lot of community knowledge in Europe and there are specific moments where industrial policy can be discussed. “We must talk at sectoral policy level and not just about R&D.”

The first MEDEA+/CATRENE innovation award was given to the MEDEA+ 2A502 Trusted Secure Computing (TSC) project.

This small but crucial project has helped create European leadership in the global fight against cybercrime with a solution that is applicable not only to computing but also to a wide range of other domains including wireless communications and consumer electronics.

‘We welcome the recognition of our work in an area which is difficult to understand,’ said TSC project leader Jean-Pierre Tual of Gemalto.



# 5th CELTIC Event in Valencia 2010



## Three CELTIC Award winning projects in Valencia



## EUREKA telecoms Cluster CELTIC extended until 2020

CELTIC held its fifth annual Event in Valencia from 12 to 13 April 2010.

Over 200 high-level experts and decision-makers from industry, politics, and research attended the event. The main objective of the event was to present the current status, results and developments of the ongoing CELTIC projects. The CELTIC event was embedded within the conference week "From Economic Recovery to Sustainability", which attracted over 1200 people. The conference week took place from 12 to 16 April 2010.

In the parallel exhibition, 26 CELTIC projects presented their results. The project showed many highlights and promising results, where a significant impact can be expected.

The three best and most successful projects were honoured by the CELTIC Awards in gold, silver, and bronze, which was handed over during the event.

The winners were:

- Gold TRAMMS (Traffic Measurements and Models in Multi Service Networks)
- Silver B21C (Broadband for the 21st Century)
- Bronze EnComPAs-2 (Enabling Community Communications – Platforms and Applications)

EUREKA telecoms Cluster CELTIC has been extended until 2020, with a new name - CELTIC-Plus, from 2011.

Since its creation in 2003, CELTIC has generated more than 90 R&D projects, involving 500 organisations from 25 countries representing a total budget of over 700 million euro and a total of over 6000 person/years. Thanks to CELTIC, major European achievements have been made in service platforms, new multimedia services, and infrastructure solutions.

## ACQUEAU, the EUREKA Cluster for water



XAVIER CHAZELLE,  
ACQUEAU CHAIRMAN

After being labeled as a EUREKA Cluster in Munich on 15 April with 18 supporting countries, ACQUEAU went on to label its first 7 projects by the end of 2010. For this first call, ACQUEAU is particularly pleased by the high quality of the proposals. The project consortia involve 12 countries and 48 partners affirming the value of multi-national collaboration. SMEs and Research Institutes are well represented leading more than half of the projects.

Xavier Chazelle, Chairman of ACQUEAU, states that "this achievement has been made through the professional and efficient support of our Scientific Committee and the strong involvement of National Authorities. We look forward to continuing to work in this spirit to promote European competitiveness and innovation, taking into account the national requirements as well as the initiative and capability of the industry."

# EURIPIDES Forum 2010



The EURIPIDES projects deliver to the world the enabling technology that makes systems compact and smart. The so-called “packaging” technologies bridge the dimensional gap between Micro-nano tech and the everyday life, making innovation possible. These building blocks are interconnection, packaging and integration of Smart-Systems.

With over 400 million euro invested in 50 projects, EURIPIDES offers an unmatched capability for the deployment of Integrated Smart Systems in a wide range of application fields as Automotive, Aeronautics, Medtec and Global Security.

The 2010 Forum gathered more than 150 companies, academia and public authorities from 12 EUREKA countries.

“It is possible to manufacture products at low cost in Europe! The multidisciplinary approach of our projects is a key asset which should enable the European industry to take up this challenge.” Jean-Luc Maté, EURIPIDES Chairman.





# EUROGIA+ 2010 Annual Summary



EUROGIA+, the EUREKA Cluster for Low – Carbon Energy Technologies, has issued Call 04 and 05 in 2010.

17 Project Outlines and 11 Full Project Proposals have been evaluated by the EUROGIA+ Technical Committee. And nine Projects received the EUROGIA+ label.

EUROGIA+ has organised numerous Information Days and Brokerage Events in EUREKA countries such as France, Norway, Turkey, and Israel and thus built bridges between industry and national funding agencies.

In 2010, EUROGIA+ focused more on working closely with the EUROGIA+ Public Authorities Committee to strengthen relations. Today the EUROGIA+ Public Authorities Committee consists of 17 EUREKA Member States with the participation of Norway in 2010 and of Estonia in February 2011.

EUROGIA+ has also actively participated in the European Innovation Summit in Brussels and the Annual European Power Generation Strategy Summit in Prague in 2010.



GABRIEL MARQUETTE  
EUROGIA+ CHAIRMAN

## MF.IND



Manufacture Industry (MF.IND) is an industrial R&D programme promoting new high added value production systems, as knowledge based competitive and sustainable European products. MF.IND contributes to European recovery and green growth, based on the CSM paradigm proposed by Manufacture European Technology Platform.

The central objective of this industry-driven programme is to promote the development of next generation factories as well as the establishment of networks of related stakeholders: manufacturers; their suppliers; system companies; design houses; research institutes and universities.

Addressed technologies range from energy efficient and high performance mechatronic components and machinery; to Knowledge based green factories and market responding eco-friendly collaborative production networks. Including standards, methods and digital tools for sustainable production systems development and management during their life cycle.

Manufacture Industry will develop demonstrators and pilot factories and production systems.

MF.IND involves 31 founding partners from 11 European countries.

## EULASNETII Umbrella

## EULASNETII

EULASNET II: Enabling European Industry to develop advanced laser and optical technologies.

EULASNET II is enabling European industry to develop the advanced laser and optical technologies critical to the success of European manufacturing as well as to sectors such as medical equipment and information technology.

Building on the success of its predecessor, EULASNET, EULASNET II aims to maximise the potential of lasers as highly versatile manufacturing tools and a key technology for future advanced material processing. EULASNET II covers a broad range of applications, from high-power industrial lasers to low-power diagnostic systems, and has six priority themes: laser-associated optical technologies, laser sources, laser interaction and processing, process modelling, monitoring and control and standardisation.

## EUREKATOURISM Umbrella



EUREKATourism's objectives to coordinate joint actions to generate collaborative projects and provide an attractive and dynamic framework have been successful in 2010.

The promotion and dissemination activities carried out through international meetings and conferences and the impact of social media as part of the communication plan, have allowed numerous public and private entities to show interest in generating tourism projects in Europe.

Statistically, the initiative and its network are constantly increasing: the involvement of two additional countries - Switzerland and Turkey - the 2nd EUREKATOURISM Brokerage Event exceeding expectations in terms of projects submitted, richness and diversity of topics, and the approval of a Eurostars project (LBA) in this sector reflects only a small part of the Umbrella's achievements.

2010 has reinforced EUREKATOURISM's commitment, dedication and persuasion in the sense that programmes supporting the internationalisation of R&D optimize the exchange and technology transfer between companies and public agencies worldwide.

## EUROAGRI FOODCHAIN Umbrella

### EuroAgri FoodChain

In 2010 companies and knowledge institutions were able to learn about EUREKA and EUROAGRIFOODCHAIN during various events.

Just to name a few, Josef Schmidt (Austria) and colleagues, in cooperation with COST, organised a successful conference and workshops on Food Packaging Innovation that was attended by 95 participants (20 countries) from industry and knowledge institutions. Marta Conde (Spain) and colleagues organised a well attended international workshop and matchmaking during the Alimentaria. Apart from these events, several smaller events were organised and supported by EUROAGRIFOODCHAIN in Brussels (the individual countries). Last but not least, the new website [www.euroagrifoodchain.eu](http://www.euroagrifoodchain.eu) was launched. We invite everybody to use the website and discussion forum to discuss new project ideas.

## EUREKABUILD2 Umbrella



The EUREKABUILD2 Umbrella, with Spain as a main partner, aims to support the competitiveness of the construction sector through promotion and support of the generation of market-driven co-operative research and technological development (RTD) projects.

## E!-SURF Umbrella

Surface engineering for  
sustainable production  
and products



Fostering cooperation among industrial enterprises and research organisations, the EUREKA E!-SURF action is directed at developing new, application oriented, industrially viable technologies in the focal area of surface engineering for implementation in resource efficient, sustainable production, products and services along the entire value chain.

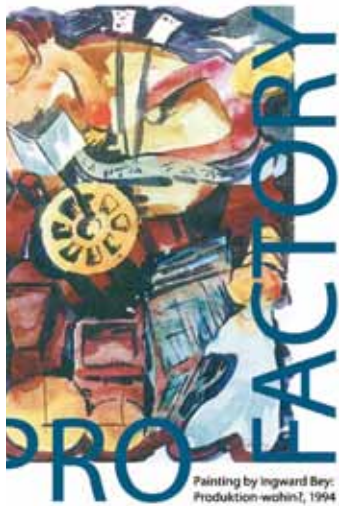
Material technologies play a dominant role for economic growth and a sustainable society. As every interaction of matter with its environment goes via its surface, advanced surface engineering and related nanotechnologies represent key technologies for achieving the latter. Indeed, novel surface engineering is essential for meeting Europe's sustainability objectives, e.g. for improved photovoltaics for energy generation, batteries for electric cars, materials for low-energy computing, nanocatalysts for energy efficient chemical processing, cleaning of air and water, and dynamic nano-solid lubricant films for transport and power generation efficiency – just to mention a few highly relevant areas.

Therefore, the European EUREKA Umbrella E!-SURF network was set-up with the primary goal of implementing surface technology in industry via the generation of industrially relevant RTDI projects.

The E!-SURF Umbrella action will run from 2010-2015 and its formal kick-off was organised on 14 December 2011 at the ESE, starting with 25 active partners from 11 countries.



## PROFACTORY Umbrella



## LOGCHAIN+ Umbrella

PROFACTORY (E!4090) is the EUREKA Umbrella devoted to generate and support projects in the area of production. It aims especially at SMEs with its bottom-up approach. So far, there are 51 started or finished projects (worth 72,855 million euro), 20 pending proposals and 9 withdrawn projects.

Additional to that PROFACTORY has 30 project ideas looking for partners, 17 of them via the PRO-FACTORY Experts and Partner Search database.

During the last 3 years PROFACTORY had 31 tasks, papers and posters in different workshops, events and meetings as well as in newspapers and books and members of PROFACTORY took part in 35 international events to promote EUREKA and PRO-FACTORY.

The Umbrella has a running period of 4 years (2007-2011) and involves 21 countries.

LOGCHAIN+: Promoting Research and Development in International Freight Logistics Technologies.

LOGCHAIN+ is a Europe-wide network for promoting research and development in the field of international freight logistics technologies. It was launched in 2006 and is the successor of the EUREKA Umbrella LOGCHAIN.

As a platform for launching new cooperative research projects at international level, the Umbrella LOGCHAIN+ has the objective of improving international freight transport within Europe through the development and optimisation of continuous logistic chains between shipper and receiver.

The overriding political objective of LOGCHAIN+ is to shift freight traffic from Europe's roads and highways to rail and waterways by optimising the interfaces between different forms of transportation.

# EUREKA EVENTS: A YEAR IN PHOTOS...

## EUREKA at Belgian EU Presidency events ...

... including a joint programming conference



EUREKA participated in a big way in events organised under the Belgian EU Presidency (July-December 2010) with speakers and exhibitions at various events including the European Business Summit (page 45); Industrial Technologies 2010 (September); ICT2010 (October); the Second European Innovation Summit (October); 'SMEs, Research and Innovation' (November).

Since the concept of joint programming process has evolved rapidly over recent years, the Belgian EU Presidency and the European Commission is organising a conference, 'Joint Programming: first results and the way forward' on 18-19 October. The conference will take stock of achievements and lessons learnt to further develop the concept. Luuk Borg, Head of EUREKA's Brussels Secretariat, was a speaker, referring to his experiences with the Eurostars Programme.







# EUREKA IN ACTION

EIS2



## Salon Entreprendre



## ICT



# EUREKA at the European Business Summit EBS









# Minister Schavan drives EUREKA's innovation agenda at the Hannover Messe



Even with Europe's planes grounded, EUREKA's participation at the annual Hannover Messe got off to a flying start on 19 April 2010, with a visit by Federal Research Minister Annette Schavan to the EUREKA stand and a well-attended press conference led by European Parliamentarian Godelieve Quisthoudt-Rowohl, Walter Mönig, who heads Germany's Chairmanship of EUREKA and Luuk Borg, Head of the EUREKA Secretariat.

Despite difficult travelling conditions, speakers from EUREKA's high-tech, industry-led Clusters were still able to participate in sessions organised by Deutsche Messe AG. Inon Elroy, the Economics and Commercial Attaché at the Israeli Embassy in Berlin represented the incoming Chairmanship of EUREKA and there was a surprise visit to the stand by Hans-Jürgen Beerfeltz, State Secretary of the Federal Ministry for Economic Cooperation and Development. Matchmaking activities involving a number of technical experts and organised by EUREKA also went ahead as planned and enabled visitors to understand the real benefits of starting or getting involved in a trans-frontier collaborative project. The EUREKA stand showcased examples of the many successful innovative technologies developed through the international collaborative endeavours of EUREKA project participants. The E! 4564 BUDDY (electric car) and E! 4030 SPC (for pipeline inspection) projects both had prototypes on the stand, which drew much interest from visitors. Federal Research Minister Annette Schavan saw the results of a successful EUREKA collaboration at first hand when she sat behind the wheel of the BUDDY electric car. The decision to be so present at the Hannover Messe in 2010 was motivated by EUREKA's annual Chairmanship currently being held by Germany. Chairman Walter Mönig of the BMBF (Federal Research Ministry) spoke of the achievements of R&D projects carried out under the auspices of EUREKA over the network's 25 year history and invited journalists to visit the stand at the fair to learn more about the work of EUREKA. Mönig was also at hand to guide Minister Schavan around the EUREKA stand, where she posed for a number of photos and spoke to project participants present.

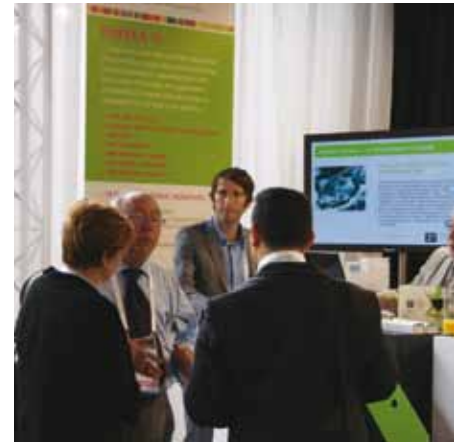
'We really needed to raise the visibility of EUREKA and the amazing achievements of the businesses and other organisations that have been participating in our R&D projects across Europe for 25 years,' said Luuk Borg, Head of EUREKA's Brussels-based Secretariat, who attended the event on Monday and also spoke at the press conference.

'The Hannover Messe represents a really good mix for us—focusing on high technologies, the right visitor profile and of course its reputation as the biggest fair of its kind in the world.'





## NMP Manufuture



## E! Days in Korea



## EUREKA embraces social media to communicate better



## EUREKA's World of Innovation Blog

[eureka-innovation.blogactiv.eu](http://eureka-innovation.blogactiv.eu)

In order to enhance collaboration within the network and to take EUREKA's profile to a higher level of visibility, the EUREKA Secretariat is progressively implementing new tools offered by the Internet.

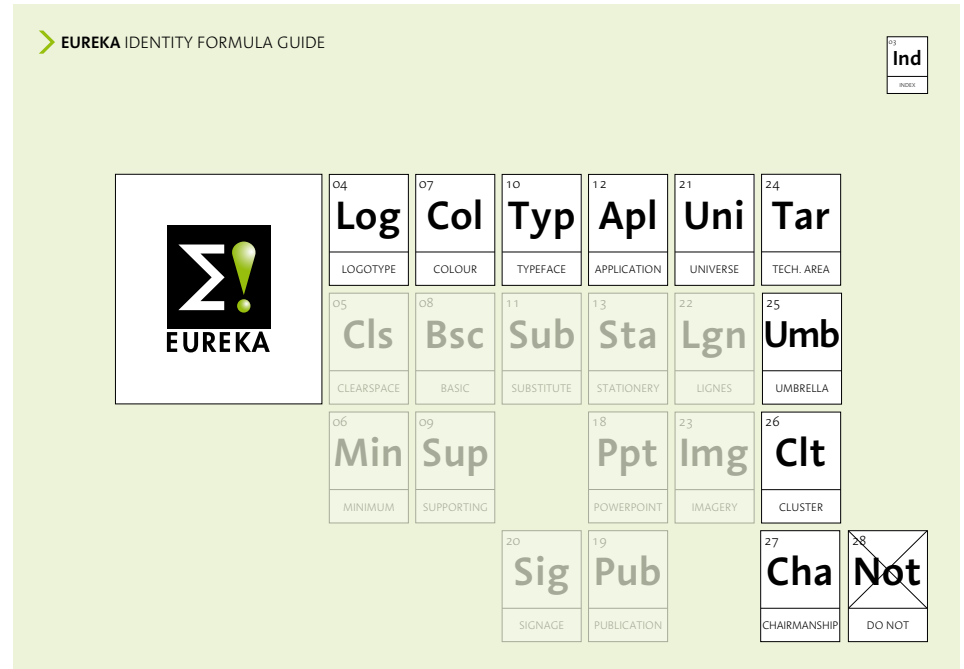
Network members can now join EUREKA's group on LinkedIn or follow EUREKA's activity on twitter. Twitter is a 'microblogging' tool, increasingly used by journalists and media monitoring specialists, by scientific media and within the political sphere; it will be open to a broader audience than LinkedIn. Latest news, events and EUREKA's success stories are published on both LinkedIn and twitter.

EUREKA's World of Innovation Blog was launched in the EU Blog Platform, Blogactiv, to promote EUREKA's work and position among relevant stakeholders. It is hoped that content and members' and interested parties' feedback will make this blog a reference point for European Innovation, SMEs, and our successful R&D projects.



# EUREKA IDENTITY ELEMENTS

[www.eurekanetwork.org/30](http://www.eurekanetwork.org/30)



EUREKA Academy



EUREKA Innovation Award



EUREKA Israeli Chairmanship  
July 2010 - June 2011



# EUREKA NEWS 88-91

2010 saw the publication of the four quarter editions of EUREKA News.

High-level representatives from the EU institutions shared their views and ambitions about EUREKA's strategic initiatives.

These include: Herbert Reul, MEP and Chairman of the European Parliament's Industry, Research and Energy Committee (ITRE); Guy Verhofstadt, MEP and former Prime Minister of Belgium; Teresa Riera Madurell, MEP; Bastiaan Belder, MEP; Robert-Jan Smits, Director-General at the European Commission's Research and Innovation DG.



## e-ZINE: EUREKA's electronic newsletter

In 2010, EUREKA launched its first electronic newsletter 'e-ZINE'.

The newsletter, which is launched fortnightly, aims at informing its network members, EUREKA and Eurostars project participants, industry, academia, research institutions, EU officials and other relevant stakeholders on the latest R&D and innovation highlights from the EUREKA network, the EU institutions and developments at the EUREKA Secretariat (ESE).

EUREKA publications available at [www.eurekaneetwork.org](http://www.eurekaneetwork.org)  
Online subscription at [www.eurekaneetwork.org/subscribe](http://www.eurekaneetwork.org/subscribe)

# EUREKA NATIONAL CONTACT POINTS



EUREKA currently counts 40 members. Several countries participate in EUREKA projects through a network of National Information Points (NIPs).

The affiliation known as Associate country status was initiated as part of EUREKA's strategy to enhance cooperation with countries outside of Europe judged to have research and industrial potential.

National Project Coordinators (NPC) are at operational level, running the national EUREKA offices. They are the direct contact with project in each member country. NPCs facilitate the setting-up and running of a project and are responsible for promoting project generation, national and international support and follow-up.

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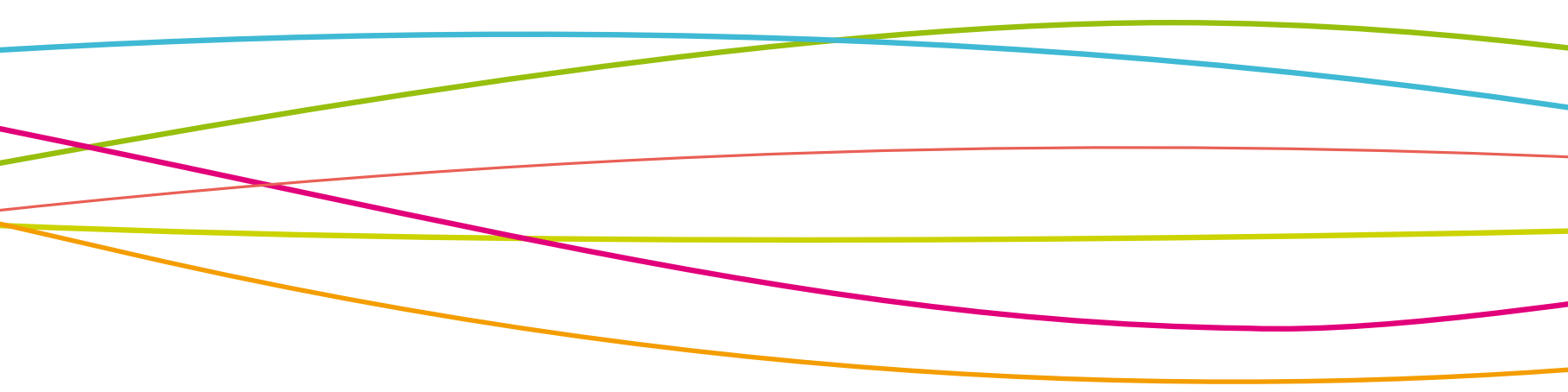
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