

EUREKA and Eurostars in Germany: Support Services to National Companies and Research Organisations

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Katharina Lehmeier
EUREKA Bureau

DLR Project Management Agency



DLR Project Management Agency



Content

1. EUREKA

2. Eurostars Programme

3. Some Statistics

4. Project Examples



EUREKA in Germany – Organizational Structure

Many Logos:

Federal Ministry for Research and Education



DLR – Project Management Agency



EUREKA – Bureau: National Contact
for EUREKA and Eurostars



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DLR's Project Management Agency

We

- » drive research, innovation and education
- » support policies, programmes and projects
- » operate nationally, across Europe and internationally
- » network disciplines, industries and stakeholders
- » stand for dedication and professionalism

CONSULTING
EVALUATIONS
ANALYSES

TRAINING

INFORMATION,
COMMUNICATION, DIALOGUES
FUNDING MANAGEMENT
RESEARCH AND INNOVATION
MANAGEMENT

<http://www.dlr.de/pt/>



DLR-PT, Bonn



DLR's Project Management Agency

Our subjects

- » World of work
- » Education
- » Society
- » Environment
- » Health
- » Culture
- » Innovation
- » Technologies



DLR-PT, Berlin

Facts and figures

- ~1,000** employees, more than half of them researchers
- 3** Locations in Germany: Bonn, Cologne, Berlin, **1** office in Brussels
- ~1** billion euros in funding and 8,500 projects annually



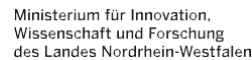
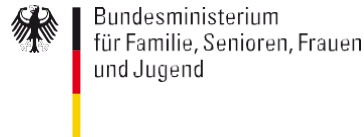
DLR's Project Management Agency in a nutshell

Our clients

- » Federal ministries, state ministries, public authorities
- » Foundations, associations, research organisations
- » European Commission, foreign government bodies



Selection:



EUREKA in Germany – Organizational Structure

Many Logos:

Federal Ministry for Research and Education



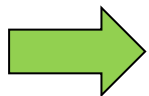
DLR – Project Management Agency



EUREKA – Bureau: National Contact
for EUREKA and Eurostars



- The EUREKA-Bureau is the National Contact for all matters regarding EUREKA
- Since 30 years, provides advisory service on funding opportunities for EUREKA projects in Germany – advisory service for industry willing to go international
- Supports project implementation together with funding agency of international partners
- Provides support to the entire project (the ‚glue‘ between Ministry, funding body and participants)
- Supports success story publication after project is finished
- In-house complementary services by H2020 accredited NCP for SMEs – a unique combination to serve SMEs in Germany



check our website: <http://eureka.dlr.de/en/index.php>



EUREKA: Possible Funding in Germany for Network Projects

EUREKA in Germany generally does not have earmarked funds.

EUREKA project participants need to apply with suitable funding programmes and opportunities – public or private.



Funding of EUREKA Network Projects in Germany

EUREKA application ~~≠~~ funding application

- **Germany does not have an earmarked budget for EUREKA Network projects.**
- **Financing of Projects:** Participants bring funding into the project. There are two options:
 1. Funding from programmes and calls.
All funding programmes may be used:
 - thematic calls and programmes of the Federal Government and Regions,
 - bottom up programmes like ZIM or Eurostars;
 2. Self-funding



Funding of EUREKA Network Projects in Germany

Where can a matching call or programme be found?

- Federal Ministries, such as
 - BMBF (Ministry for Research and Education)
 - BMWi (Ministry for Economic Affairs and Energy)
 - To a smaller degree: other Ministries such as Environment etc.
- Regional Funding: 'Länder' in Germany, e.g. Bavaria and Saxony (both bordering Czech Republic)
- Other funding sources, such as foundations, Structural Funds of EU...



Funding of EUREKA Network Projects in Germany

Funding opportunities most used by EUREKA in Germany:

1. ZIM (Central Innovation Programme for Medium-Sized Industry) of the Federal Ministry of Economy and Technology (BMWi)

- funding programme designed for SMEs, supports national and international projects (minimum 2 partners like in EUREKA);
- thematically open and bottom up – like EUREKA;
- no deadlines;
- eligible: SMEs (+ research institutes)
- more information: <http://www.zim-bmwi.de/zim-overview>



Funding of EUREKA Network Projects in Germany

Funding opportunities most used by EUREKA in Germany:

2. KMU Innovativ (Federal Ministry for Research and Education, BMBF)

Part of the High-Tech-Strategy of BMBF, featuring:

- a funding programme designed for SMEs,
- no deadlines but two evaluations per year (15 March/15 October)
- Combination of bottom-up and top-down: General themes, but in itself thematically open, outlines must cover one of the following research areas:

Bio-Tech / Med-Tech / ICT / Production Technology / Resource and
Energy Efficiency / Nanotechnology

- more information: www.kmu-innovativ.de



Funding of EUREKA Network Projects in Germany

3. Under discussion for 2017:

A joint call for Network projects between Czech Republic and Germany

Information would be available from the respective Czech and German EUREKA websites, as well as from the EUREKA Secretariat in Brussels

(<http://www.eurekanetwork.org/calls-for-projects>)



If you are interested, please occasionally check the relevant websites for any new information.



Information

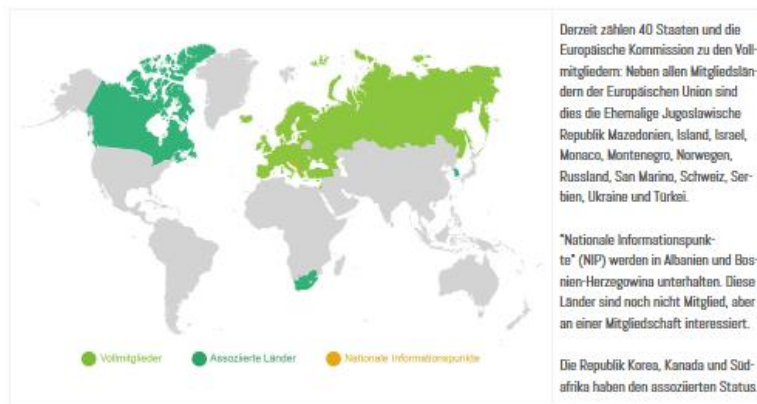
Willkommen bei EUREKA in Deutschland

Ihr Ansprechpartner für die europäische Forschungsinitiative EUREKA in Deutschland ist das EUREKA-Büro im DLR Projektträger im Auftrag des Bundesministeriums für Bildung und Forschung (BMBF).

Sie wollen Ihre Forschung und Entwicklung zusammen mit europäischen Partnern durchführen? Dann ist EUREKA für Sie möglicherweise der richtige Rahmen. Wir unterstützen Sie bei der Projektvorbereitung und -durchführung und informieren Sie über geeignete Förderprogramme und andere Finanzierungsmöglichkeiten. Rufen Sie uns an oder schreiben Sie uns!

Die Mitglieder

EUREKA, eine Initiative zur Stärkung der europäischen Wettbewerbsfähigkeit, hat früh erkannt, dass die Globalisierung der Wirtschaft eine Chance für europäische Unternehmen bedeutet. Daher ist die Teilnahme von Kooperationspartnern aus Nicht-Mitgliedsländern - sofern die Kooperationspartner sich einvernehmlich einigen - möglich. Die Voraussetzung ist, dass mindestens ein weiterer Projektpartner aus einem anderen EUREKA-Mitgliedsland oder aus einem assoziierten Land beteiligt ist.



Information on EUREKA in Germany
(limited information in English
available):

www.eureka.dlr.de

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Eurostars in Germany

- Funded by the Ministry of Research (BMBF)
- On average 15 million euro per year
- Maximum of 0.5 million euro funding per project
- Funding rates:
 - SME: 50%
 - Universities / Research organisations:
100% if a German SME participates
50% if no German SME is involved
 - Large companies can participate on self-funding basis



Eligible costs for SMEs in Germany

Following BMBF funding rules:

All costs related to development of the prototype

- Staff
- Overhead (120% of staff cost)
- Material
- Equipment (for SMEs: depreciation costs, not: purchase)
- Travel
- Subcontracting (up to approx. 20% of total cost)



Non-eligible costs in Germany

- Clinical trials – some exceptions, please contact us in advance
- Costs for commercialisation/dissemination
- Travel to conferences and fairs



Recommendations

- Contact your National Contact Point well in advance
- Read the „Guidelines for Applicants“ carefully
- Define well your project part (calculate your costs and describe your tasks in the project)
- Submit your application 2-3 days before cut-off date
- We offer to check your application in advance



Next two Cut-offs

2 March 2017
20:00 CET

14 September 2017
20:00 CEST



Eurostars in Germany

4
EASY STEPS
on the road to Eurostars

Germany

Funding
Contacts
Projects
Legal

Funding by type of organisation

Type of organisation	Funding % of eligible costs	Maximum financial support (in €)	Additional information
SME	50%		
LARGE COMPANY	0%		Large companies can participate but without funding
Public Universities, PhD, MPhil, WGL and habilitation institutions	50-100%		If a German SME is involved in the project and contributes significantly to the project aim the funding will be 100%. If not the funding rate will be 50%.
RESEARCH ORGANISATION	50-65%		If a German SME is involved in the project and contributes significantly to the project aim the funding will be 65%. If not the funding rate will be 50%.
OTHER			There are no 'Other' applicants in Germany

Information


Required National Documentation:
German SMEs are obliged to submit their latest financial report. This report has to include the balance sheet, the profit and loss statement and if applicable a review of the situation. If this report is not submitted national funding will be excluded.
It is required to submit a formless easy application form covering the cost calculation together with the Eurostars application form: <https://funderportal.bund.de/faq/faq/2/>

Additional Information:
Funding in Germany
The overall funding of the German participants in a Eurostars project is limited to 0.5 Mio €.
Projects not eligible for funding:

- Applications aiming at purchasing expensive equipment
- In principle all clinical trials incl. proof of concept studies. For exceptional cases please contact the national EUREKA office in Germany (tel. +49 228 3821-1380)

Direct Link to National Information Webpage:
<http://eurostars.dlr.de>

About this country



The EUREKA/COST Bureau is the national contact point for all general and specific questions related to EUREKA in Germany. Located in Bonn, it is part of the German Aerospace Center Project Management Agency. Our project officers advise project partners individually on the choice of project.

[Read more](#)

Download country data

Other countries

Select

An overview on funding rules for German participants in English may be found at the central Eurostars website:

www.eurostars-eureka.eu/contact/show/DE

Information

Information on Eurostars in Germany
(in German only):

www.eurostars.dlr.de



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Eurostars Statistics (Cut-off-Dates 1-15)

10 Eurostars projects with participants from the Czech Republic and Germany funded

Participants from Germany:

- 10 SME
- 1 large company
- 1 research institute
- 1 university

6 bilateral cooperations between Czech Republic and Germany,

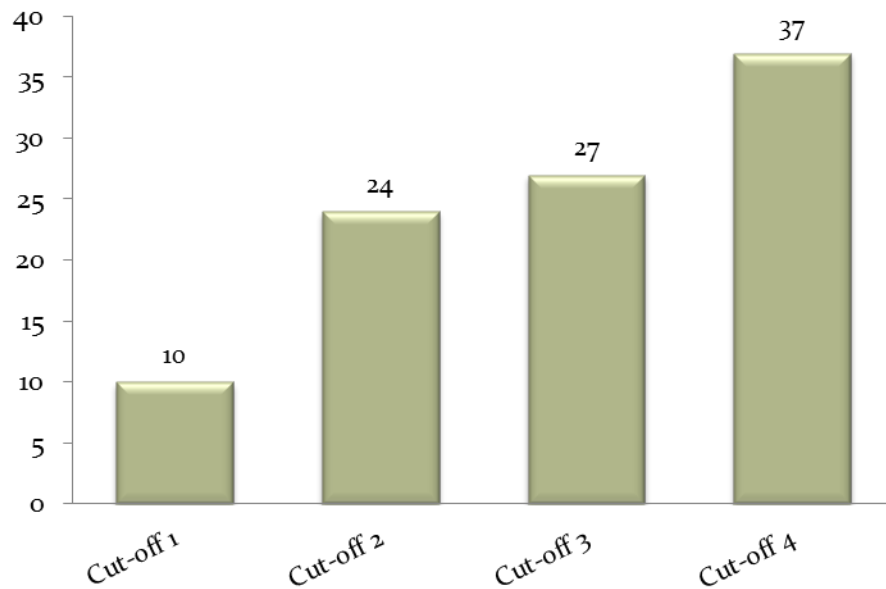
4 multilateral cooperations with additional partners from other countries
(Austria, Slovenia, Poland, The Netherlands, Norway, Ireland, Portugal)



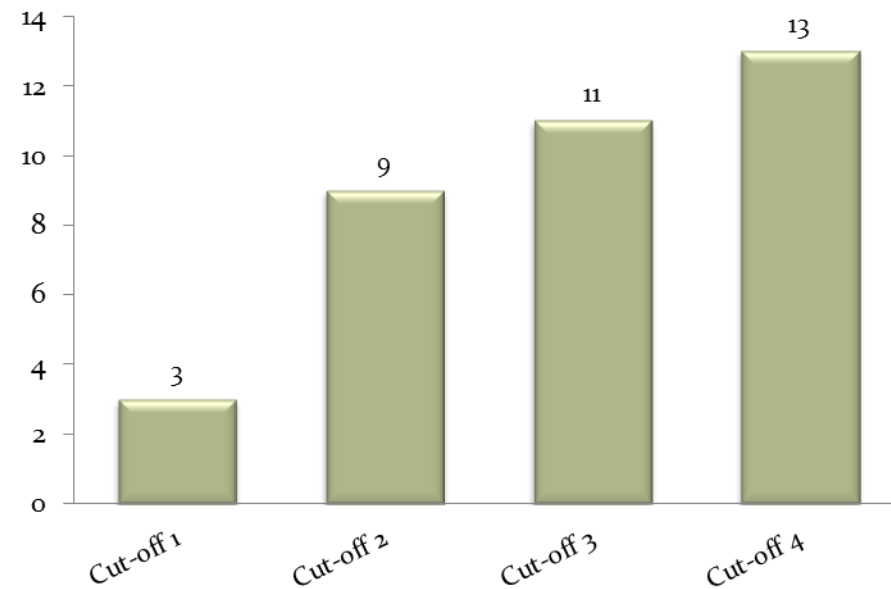
Eurostars in Germany

Projects funded (Eurostars 2: Cut-off 1 – 4)

Number of projects

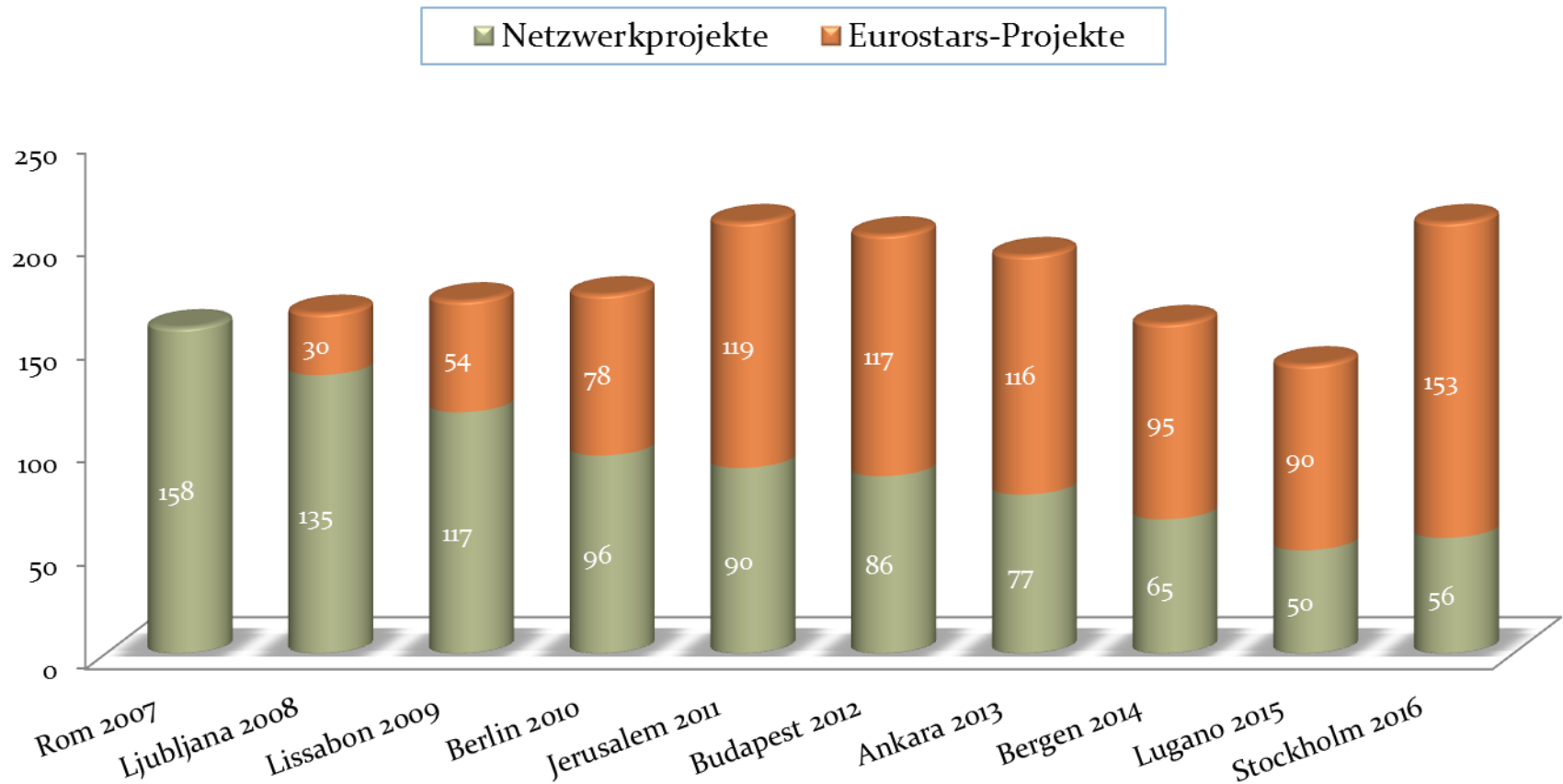


Funding (million €)



Some EUREKA Statistics

Number of ongoing projects, with German participation

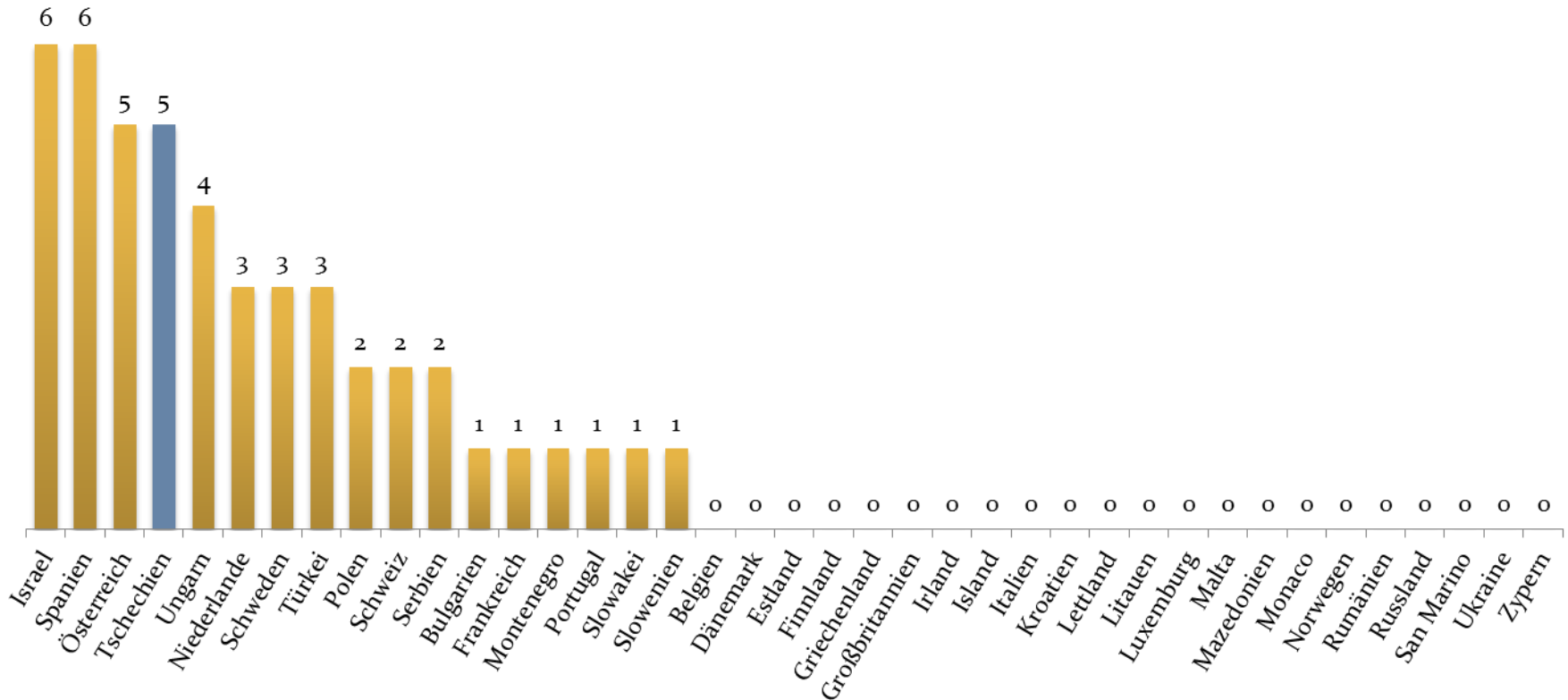


as at June 2016



Some EUREKA Statistics

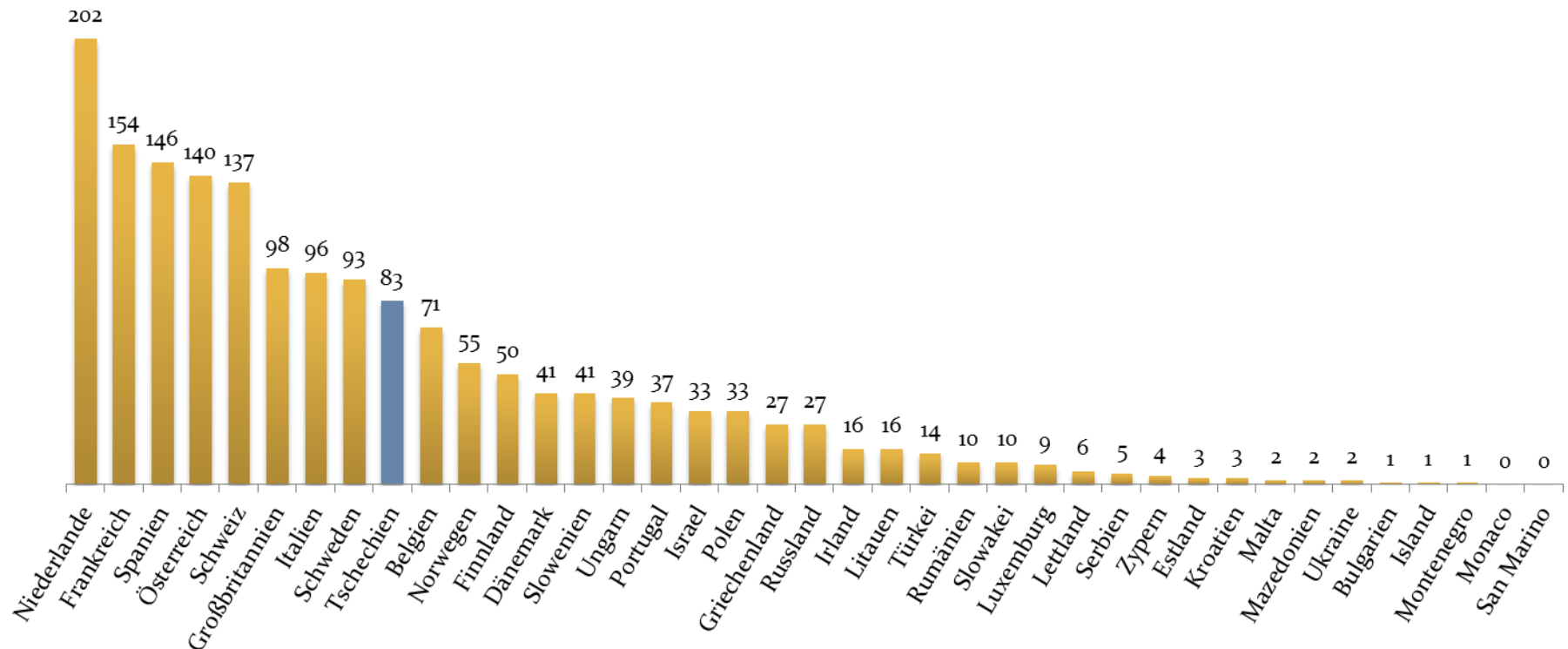
Network projects, ongoing: country partners in projects with German participation



as at November 2016

Some EUREKA Statistics

Network projects, all (finished and ongoing): country partners in projects with German participation



as at November 2016



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Success Story: E! 4269 SECURITY MECH

- Project coordination: OCHI-INŽENÝRING sro
- Other participants: Bosch Rexroth CZ, ISR Industrieservice GmbH Rodewisch, Westsächsische Hochschule Zwickau
- **SAFETY IN THEATRES SAFEGUARDED BY INNOVATIVE TECHNOLOGY**
- Industrial research and development of HIGH-SAFETY mechatronics with the purpose to determine the classification levels of control systems in compliance with valid EU legislation for specific technologic implementation of controlled machine
- Total costs: 1 290 000.00 Euro
- Duration: 36 months
- www.eurostars-eureka.eu/content/safety-theatres-safeguarded-innovative-technology

EUREKA EUROSTARS
PROJECT
4269 SECURITY
MECH





SAFETY IN THEATRES SAFEGUARDED BY INNOVATIVE TECHNOLOGY

In 2008, the European Commission issued directive 2006/42/EC, extending the health and safety requirements for mechanical systems like those used in theatres. Regulated by the government of the Czech Republic in 2010, 2006/42/EC required that mechanical systems would have to be subjected to risk analysis, and meet with national technical standards. This produced a problem in Eastern Europe, where many theatres – as well as testing laboratories and manufacturing plants – were using machinery that was not compatible with the new regulation.

An innovative solution was required – and one small company recognised a big opportunity. OCHI-INŽENÝRING sro, a family-run engineering business, joined with German partners ISR Industrieservice and Westsächsische Hochschule Zwickau as well as larger Czech company Bosch Rexroth CZ to research, design and test alternative systems that would put safety first. The SECURITY MECH project was ultimately successful in creating products with a certified safety integrity level of three – indicating that they would fail on demand as little as one in ten thousand times. Outperforming anything else on the local market, these safe, secure mechanical systems were soon in high demand.

One stage at a time

The SECURITY MECH project's objective was to produce new linear and rotary actuators – the motors that lift and turn the parts in an electronic-mechanical system – which would comply with national and international safety standards. Funding for this ambitious work was provided by Eurostars, an instrument supporting SME-led projects and managed jointly by the EUREKA Network and the European Union. The project was funded by the Czech Ministry of Education, Youth and Sports and the EU. Eng Oskár Čisná was Manager of OCHI's Research and Design Department at that time. "By 2010, the achievements of the Eurostars project had made us one of the five most successful Middle and Eastern European companies in our field," he enthuses.

“By 2010, the success of the Eurostars project had made us one of the five most successful Middle and Eastern European companies in our field”

The functional systems designed by the project partners were inspected and certified by EU-notified service organisation TÜV SÜD in 2010 and 2011. Since then, sales to prominent customers, including six theatres and two manufacturing plants across the Czech Republic and Poland, have generated turnover of 43.78m – and consequently created tens of jobs. This success would not have been possible without the support of the diverse project consortium, which brought a range of experience to the table. As Čisná explains: “the Eurostars framework ensured that we could make optimal use of our partners and their capacity for development, planning and management.”

“I must say that in terms of the technical and scientific collaboration, the exploration of new areas and the range of experimental assays, SECURITY MECH was one of the most interesting projects I ever worked on”, Čisná reflects – and the impetus of this endeavour has ensured that its impact is lasting. Over the next three years, orders of 64.6m are expected based on SECURITY MECH, which also inspired many further products and ideas developed by OCHI. This success has also been a boon for Čisná himself – who was able to retire this year, leaving the company to his two sons.

For Bosch, which contributed to the project by providing specialised hardware and industrial experience, SECURITY MECH allowed for an expansion of exports to central and eastern Europe. The company expects to size 25% of the market for similar products in this geographical area.

Westsächsische Hochschule Zwickau and ISR Industrieservice were key actors in the transfer of academic knowledge and research to actual products. Both developed their know-how in terms of marketing and the production of commercial outputs.

MAIN PARTNER
OCHI-INŽENÝRING, spol. s r.o.
Czech Republic
ochi@ochi.cz
www.ochi.eu

OTHER PARTNERS
ISR Industrieservice GmbH Rodewisch
REXROTH CZ
Westsächsische Hochschule Zwickau

TOTAL R&D INVESTMENT
€ 1.29 million

DURATION
July 2008 – June 2011

COUNTRIES INVOLVED
 

EUREKA is a European network for market-oriented R&D.


www.eurekanetwork.org

Success Story: EURIPIDES INTEx

- Project coordination: TESLA Blatna (Czech Republic)
- Other participants: BVK Hradec Kralove, s.r.o., University of West Bohemia, CEA Leti (France), Polytrame (France), Kissel & Wolf GmbH (Germany), G. BOPP + CO. AG (Switzerland)
- **INTELLIGENT SENSING AND COMMUNICATING TEXTILE**
- European Partnership creates intelligent jacket for firemen filled with innovative tech – a smart jacket developed during the Czech-led research project EURIPIDES INTEx could soon help fire-fighters stay safer on the job.
- Total costs: 3 million €
- Duration: 48 months
- www.eurekanetwork.org/sites/default/files/success-story-pdf/intex.pdf



EURIPIDES INTEx

European partnership creates intelligent jacket for firemen filled with innovative tech

A smart jacket developed during the Czech-led research project EURIPIDES INTEx could soon help firefighters stay safer on the job and be on the market by 2016.

From watches monitoring heartbeats to contact lenses measuring blood sugar levels, wearable technology is taking off. And if you thought all the innovation was coming out of Silicon Valley, think again. In the small Czech town of Blatna, 100 kilometres southwest of Prague, electronics company Tesla Blatna created a breaking new jacket to protect firefighters.

Tesla Blatna has 420 people, far fewer than Google, but thinks big. It aims to commercialise the jacket developed during the European research project EURIPIDES INTEx within two years. Other products will follow from the technologies developed during the project, which acronym stands for intelligent, sensing and communicating textile. Those will help the companies involved tap a wearable technology market expected to hit €6 billion by 2018, according to one estimate.

Tesla Blatna, maker of electronic components for companies like camera maker Škoda, is the first company from one of the countries having accessed the EU in 2004 to lead a European-wide EURIPIDES project. It worked with a Czech university and French laboratory researchers from CEA Leti, with France's Polytrame, Germany's KWO and Swiss BOPP, who all brought

essential experience and technical skills. European realisation "Smart clothes like vests have been developed for military uses in the past. But all emergency workers also need real-time information to help them stay alive," said Dr Radek Soukup, of the University of West Bohemia in Pilsen, in the Czech Republic, who worked on the project. Fire crews in the Czech towns Pilsen and Zbiroh told the partners what they wanted from their high-tech jacket.

It should resist heat of more than 180 degrees for five minutes, measure heat and toxic gases, monitor the firemen's body conditions and send information

Once the firefighters were impressed, the partners made the prototype public by presenting it in trade shows, and they will now introduce it to Belgian authorities, which want smart suits for all fire crews in the country. The extreme innovativeness of the intelligent jacket explains that the partners are still awaiting European regulation to allow them to commercialise their emergency workers suits.

While the adoption of the new tech by public authorities is an essential step in the way of mass commercialisation, in the meantime, the smart textile methods the partners in the project have developed might become widely applied to other economical sectors.

Jeans and T-shirts are now being made in South Asia. But smart textiles are value-added and that's where the future of the European textile industry lies.

This could really help the renaissance of the textile industry in Europe," said Dr Soukup. "Jeans and T-shirts are now being made in South Asia and that is not going to change. But smart textiles are value-added and that's where the future lies."

to headquarters automatically, activating alarms if they were in danger. 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.

Project participants: Czech Republic, France, Germany, Switzerland

Budget: 3 M€URO
Duration: 48 months

Contact: TESLA Blatna
Czech Republic
www.euripides-intex.eu

 Doing business through technology www.eurekanetwork.org

Success Story: E! 4504 E!Surf EQUIMOTOR PLUS

- Project coordination: TEKNIKER (Spain)
- Other participants: CZ: Škoda Research Ltd., DE: Ceram GmbH, Dresden University of Technology, Fraunhofer Inst., ES: 4 additional partners, UK: 1, FI: 1
- **NEW GENERATION OF ENGINES OF REDUCED ENVIRONMENTAL IMPACT ADAPTED TO WORK WITH NON CONVENTIONAL FUELS AND LUBRICANTS.**
- The main objective of the Equimotor Plus Project is to adapt components engines and to find the best coatings for these components that may reduce corrosion, friction, wear and weight with engines working with alternative fuels and lubricants.
- Total costs: 2,23 m €
- Duration: 30 months
- www.eurekanetwork.org/sites/default/files/success-story-pdf/4504.pdf



Example for a German-Czech Running Project

SALEP

The project aims at the development of a biotechnological propagation process; meaning in-vitro production of diverse terrestrial orchids, containing and inducing substantial amounts of Glucomannan. Acclimatization and the following cultivation to production maturity.



Example for a German-Czech Running Project

EDMOND

Development of missing electronic transport documents, defining of dedicated services for monitoring, improvement of safety and security (prevention and reaction in case of accidents/incidents) and analysis and proposal of regulatory framework in transportation of dangerous goods.



Contact for Eurostars in Germany

EUREKA-Bureau
DLR Project Management Agency
Heinrich-Konen-Str. 1
D-53227 Bonn
www.eurostars.dlr.de

Ph. +49 228 3821 1380





DLR Project Management Agency

**Your partner for research, innovation and education –
reliable, competent, committed**

Contact for EUREKA in Germany:

Dr. Joachim Burbiel
National Project Coordinator
DLR Project Management Agency
EUREKA-Bureau

joachim.burbiel@dlr.de

Tel. + 49 228 3821 1351

<http://eureka.dlr.de/en/index.php>

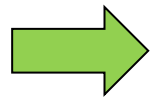


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Thank you for listening!



info@eurekanetwork.org

