

## **UNIVERSITY OF BELGRADE**

### **Public transportation - Accessibility for all (PUBTRANS4ALL)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** SST.2008.3.1.1. New mobility concepts for passengers ensuring accessibility for all

#### **Coordinator**

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**Organisation:** RABCON E.U.

HERTHA-FIRNBERG STRASSE

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#### **Project description**

Pubtrans4all will develop a prototype vehicle-based boarding assistance system that can be built into new rail vehicles or retrofitted into existing rail vehicles to improve accessibility for all persons. Accessibility for rail vehicles is particularly problematic since rail vehicles have a long service life and so many currently inaccessible vehicles will remain in service well into the future. PubTrans4all will help make existing public transport systems more accessible, improving service for everyone.

The PubTrans4all project's objective is to develop a standard boarding assistance system that can be used on many different types of rolling stock and infrastructures. The boarding assistance system will not simply be a device, but rather include contributing elements that make it possible to effectively use the device to access rail vehicles. The prototype will be developed by a multi-disciplinary consortium including users, public transport operators, academic researchers and manufacturers.

As part of the process of developing the prototype boarding assistance system, the project will survey state of the art accessibility devices and make recommendations for best practices in the use and operation of these existing devices. The project will include an extensive dissemination program designed to communicate study results widely, but also to help inform the general public and decision-makers about the importance and challenges in providing accessibility for all.

The PubTrans4all project will be completed by a well balanced and geographically diverse consortium. Especially beneficial is the participation of several Eastern European partners since accessibility is not sufficiently recognized as a problem in many of these countries. Accessibility for all is critical to creating an equitable, effective and efficient transport system. The project PubTrans4all will help build a fully accessible rail network.

#### **Project details**

**Project Acronym:** PUBTRANS4ALL  
**Project Reference:** 233701  
**Start Date:** 2009-09-01  
**Duration:** 39 months  
**Project Cost:** 2.75 million euro  
**Contract Type:** Small or medium-scale focused research project  
**End Date:** 2012-11-30  
**Project Status:** Execution  
**Project Funding:** 1.81 million euro

**Participants**

MBB PALFINGER GMBH	GERMANY
NATIONAL RAILWAY INFRASTRUCTURE COMPANY	BULGARIA
VERKEHRSBETRIEBE KARLSRUHE	GERMANY
<i>UNIVERSITY OF BELGRADE</i> - FACULTY OF MECHANICAL ENGINEERING	SERBIA
BDZH-PUTNICHESKI PREVOZI EOOD	BULGARIA
SIEMENS AKTIENGESELLSCHAFT OESTERREICH	AUSTRIA
MAV-START ZARTKORUEN MUKODO RESZVENYTARSASAG	HUNGARY
ÖBB-PERSONENVERKEHR AG	AUSTRIA
SLOVENSKE }ELEZNICE, D.O.O.	SLOVENIA
SCHWEIZERISCHE BUNDESBAHNEN SBB AG	SWITZERLAND
BOMBARDIER TRANSPORTATION GMBH	GERMANY
TECHNISCHE UNIVERSITAET WIEN	

## **Reinforcing of nanotechnology and functional materials centre (NANOTECH FTM)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** REGPOT-2009-1 Any research topic covered by the EC FP7 (EC/EP Decision No 1982/2006/EC of 18 December 2006, published in the Official Journal 30.12.2006 L 412)

### **Coordinator**

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### **Project description**

In recent years, the advance of contemporary technologies became more closely related to the development of new materials. Exploiting the possibility of designing new materials on micro and nano level as well as composite materials enables their use in various fields such as biomedicine, catalysis, civil engineering, aerospace and process industry. The aim of this project is to contribute to the advance in proposed fields by networking and reinforcing research centers in Serbia as an EU's Convergence Region, by organizing personnel exchange, performing joint experiments, teaching and training activities with EU networking research and industrial partners.

In that way, the research project team will get strong expertise in the synthesis, processing, characterization and testing of nanostructured materials, establishing new advanced processing and characterization methods, also. Special care will be taken towards hiring of experienced and new young researchers in order to reinforce the human potential. This project will also result in upgrading and acquired of the S&T equipment of the centre in order to reinforce internal S&T capacities. This kind of collaboration will result in preparing further cooperative activities and preparation of new joint RTD proposals and reinforcing integration to European Research Area.

### **Project details**

**Project Acronym:** NANOTECH FTM

**Project Reference:** 245916

**Start Date:** 2010-01-01

**Duration:** 36 months

**Project Cost:** 1.46 million euro

**Contract Type:** Support actions

**End Date:** 2012-12-31

**Project Status:** Accepted

**Project Funding:** 1.3 million euro

### **Participants**

**Food Consumer Science in the Balkans: Frameworks, Protocols and Networks for a better knowledge of food behaviours (FOCUS-BALKANS)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** KBBE-2007-2-1-02 Developing research tools for food consumer science in the Western Balkan Countries

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**Project description**

The general objective of the FOCUS-BALKANS project is to improve competencies and understanding in the field of consumer food science in the Western Balkan countries (WBC). The scientific results of the research will make important contribution to the public health and consumer protection and to the achievement of the objectives within the FP7.

The specific objectives are to:

- Develop a network of universities, institutes, high schools, consumer organisations, NGOs and private enterprises active in the field of food consumer science with are able to develop joint-research activities;
- Have a better understanding of food consumers in the WBCs, with a focus on products with positive nutritional properties (fruits and health / diet foods) and / or sustainability (organic and traditional food products).

Formal training will be organised for key research organisations in the WBCs to enable them to become familiar with state of the art methodologies, practical techniques and theories. The training activities, organised in each WBC-country, target a wide range of organisations from the public and private research sectors, NGOs & consumer associations. 6 regional training meetings will be designed by the project partners and associated organisations.

**Project details**

**Project Acronym:** FOCUS-BALKANS

**Project Reference:** 212579

**Start Date:** 2008-10-01

**Duration:** 36 months

**Project Cost:** 3.06 million euro

**Contract Type:** Collaborative project for specific cooperation actions dedicated to international

cooperation partner countries (SICA)

**End Date:** 2011-09-30

**Project Status:** Execution

**Project Funding:** 2.61 million euro

**Participants**

UNIVERZA V LJUBLJANI	SLOVENIA
STRATEGIC MARKETING DOO	SERBIA
SEEDDEV DOO	SERBIA
EKONOMSKI FAKULTET, UNIVERZITET U BEOGRADU	SERBIA
SOCIETE D'ETUDE POUR LE MARKETING, L'ENGINEERING ET LA GESTION	FRANCE
ECOZEPT GBR	GERMANY
REPUBLICKI ZAVOD ZA ZDRAVSTVENA ZASTITA	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
SVEUCILISTE U ZAGREBU EKONOMSKI FAKULTET	CROATIA
UNIVERZITET U BANJALUCI POLJOPRIVRE DNI FAKULTET	BOSNIA AND HERZEGOVINA
ZDRAVSTVENA USTANOVA INSTITUT ZA JAVNO ZDRAVLJE PODGORICA	MONTENEGRO
ECOLE NATIONALE D'INGENIEURS DES TRAVAUX AGRICOLES DE CLERMONT-FERRAND	FRANCE
LANDBOUW-ECONOMISCH INSTITUUT B.V.	NETHERLANDS
UNIVERSITA DEGLI STUDI DI PARMA	ITALY
<i>UNIVERSITY</i> OF NEWCASTLE UPON TYNE	UNITED KINGDOM

## **Balkan Epidemiological Study on Child Abuse and Neglect (BECAN)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** HEALTH-2007-3.1-1 Implementation of research into healthcare practice, HEALTH-2007-3.3-1 Promoting healthy behaviour in children and adolescents

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**Organisation:** INSTITOUTON YGEIAS TOU PAIDIOU

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GREECE

### **Project description**

BECAN is an epidemiological study aiming at mapping child abuse and neglect (CAN) in the general population of 11 to 16-year-old children that attend and those that have dropped-out school and at identifying the number of reported/detected cases of CAN being recorded in at least 8 Balkan countries. Mapping of CAN will be achieved by applying two of the I-CAST questionnaires (ICAST-CH for children and ICAST\_P for parents, created by ISPCAN with the support of UNICEF) to matched pairs of children and parents. I-CAST questionnaires will first be translated into the official languages of the participating countries and culturally validated.

There is no information on the prevalence of CAN in the general population of children in Balkan countries, and this study is certainly the larger in sample size ever conducted in the Balkan area (over 30.000 children and parents), and probably one of the biggest globally. CAN is associated with unhealthy behaviour in children and adolescents. Particularly, due to the well established circle of violence phenomenon, domestic violence tends to reproduce itself. Preventive cutting off of that circle contributes substantially and more effectively in the disappearance of such unhealthy behaviour in both children and adults. It is also believed that this study will provide the basis for the harmonization of CAN screening procedures in the Balkan area, and offer valuable tools to relevant policy-making activities in all participating Balkan countries.

### **Project details**

**Project Acronym:** BECAN

**Project Reference:** 223478

**Start Date:** 2009-10-01

**Duration:** 36 months

**Project Cost:** 2.88 million euro

**Contract Type:** Small or medium-scale focused research project

**End Date:** 2012-09-30

**Project Status:** Execution

**Project Funding:** 2.32 million euro

**Participants**

ISTITUTO DEGLI INNOCENTI DI FIRENZE	ITALY
FACULTY FOR SPECIAL EDUCATION AND REHABILITATION, UNIVERSITY OF BELGRADE	SERBIA
UNIVERSITY CLINIC OF PSYCHIATRY	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
SOUTH-WEST UNIVERSITY NEOFIT RILSKI	BULGARIA
QENDRA PER MBROJTJEN E TE DREJTAVETE FEMIJEVE SHOQATES	ALBANIA
FAKULTET POLITICKIH NAUKA UNIVERZITET U SARAJEVU	BOSNIA AND HERZEGOVINA
SVEUCILISTE U ZAGREBU	CROATIA
AMBULANCE AND EMERGENCY PHYSICIANS ASSOCIATION	TURKEY
UNIVERSITATEA BABES BOLYAI	ROMANIA

## **European network on noise and health (ENNAH)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ENV.2008.1.2.1.3. European research network on noise and health

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**Organisation:** QUEEN MARY AND WESTFIELD COLLEGE, UNIVERSITY OF LONDON

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UNITED KINGDOM

### **Project description**

This proposal puts forward plans to establish a research network of experts on noise and health in Europe. This network will establish future research directions and policy needs in Europe. The network will review the existing literature on environmental noise exposure and health focussing on the consolidation of existing state of the art knowledge and the identification of gaps in the evidence and future research needs and hypotheses to be tested. In the network we will train junior researchers in noise and health through setting up an exchange network across Europe.

The network will focus on noise exposure assessment in health studies in order to build more complex analytical models of noise and health effects that take into account moderating factors including the joint effects of air pollution and noise. A specific function of the network will be to establish communication between researchers on noise and researchers on air pollution.

We will improve the measurement of health outcomes relevant to noise research and strengthen the available methodologies for future research, by extending analyses on existing research taking advantage of the large EU-funded RANCH and HYENA studies and relevant national studies.

We will develop novel designs for research on noise and health to provide to the EU a new strategy for the development of noise and health research in the future.

We will disseminate the results to the EU, to national governments, to fellow researchers, and other stakeholders.

### **Project details**

**Project Acronym:** ENNAH

**Project Reference:** 226442

**Start Date:** 2009-09-01

**Duration:** 24 months

**Project Cost:** 1.14 million euro  
**Contract Type:** Coordination (or networking) actions  
**End Date:** 2011-08-31  
**Project Status:** Execution  
**Project Funding:** 993852.00 euro

### Participants

AGENZIA REGIONALE PER LA PROTEZIONE AMBIENTALE DEL PIEMONTE	ITALY
BERRY ENVIRONMENTAL LTD	UNITED KINGDOM
UNIVERZITA KOMENSKEHO V BRATISLAVE	SLOVAKIA
MEMOLIX	ITALY
AGENZIA REGIONALE PER LA PROTEZIONE AMBIENTALE DELLA TOSCANA (ARPAT)	ITALY
FACULTY OF MEDICINE, UNIVERSITY OF BELGRADE	SERBIA
AZIENDA SANITARIA LOCALE ROMA	ITALY
TRANSPORTKONOMISK INSTITUTT	NORWAY
CENTRE FOR MUSCULOSKELETAL RESEARCH - UNIVERSITY OF GÄVLE	SWEDEN
RIJKSINSTITUUT VOOR VOLKSGEZONDHEID EN MILIEU PART OF THE DUTCH STATE	NETHERLANDS
INSTITUT ZA VAROVANJE ZDRAVJA REPUBLIKE SLOVENIJE	SLOVENIA
HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT GMBH	GERMANY
INSTYTUT MEDYCYNY PRACY NOFERA	POLAND
INSTITUT NATIONAL DE RECHERCHE SUR LES TRANSPORTS ET LEUR SECURITE	FRANCE
SCHWEIZERISCHES TROPENINSTITUT	SWITZERLAND
UMWELTBUNDESAMT	GERMANY
DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	GERMANY
UNIVERSITAET STUTTGART	GERMANY
UNIWERSYTET IM. ADAMA MICKIEWICZA W POZNANIU	POLAND
NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	GREECE
FORSCHUNGSGESELLSCHAFT FUR ARBEITSPHYSIOLOGIE UND ARBEITSSCHUTZ E.V.	GERMANY
REPUBLICKI ZAVOD ZA ZDRAVSTVENA ZASTITA	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK - TNO	NETHERLANDS
COMMISSION OF THE EUROPEAN COMMUNITIES -	BELGIUM

DIRECTORATE GENERAL JOINT RESEARCH CENTRE -  
JRC

STOCKHOLMS UNIVERSITET

SWEDEN

IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND  
MEDICINE

UNITED KINGDOM

UNIVERSITEIT GENT

BELGIUM

CARDIFF UNIVERSITY

UNITED KINGDOM

KAROLINSKA INSTITUTET

SWEDEN

MEDIZINISCHE UNIVERSITAET INNSBRUCK

AUSTRIA

THE MANCHESTER METROPOLITAN UNIVERSITY

UNITED KINGDOM

TECHNISCHE UNIVERSITAET BERLIN

GERMANY

## **Supporting research on climate-friendly transport (REACT)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** TPT-2008.0.0.14 Fostering coordination between national and European RTD strategies and programmes on climate-friendly transport and mobility

### **Coordinator**

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**Organisation:** COVENTRY UNIVERSITY ENTERPRISES LIMITED

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### **Project description**

React project scope is to act as a driving force for coordinating, supporting and strengthening the RTD area on climate-friendly transport and mobility so as to avoid spillage of funding resources and achieve integration of funding opportunities at European level, in relation to mitigation of greenhouse emissions from transport.

React project has the following concrete aims:

1. Exchange of experience among research program managers in the Member States, Associated States and EC. Identification of the national and regional initiatives and research programs on climate-friendly transport and mobility, in to identify opportunities for stakeholders and researchers.
2. Articulate a long term vision and a Strategic Future Research Agenda on climate-friendly transport that will contribute to the development of a European strategy on the issue.
3. To improve synergies between Member States, Associated States and EU RTD Agenda on climate-friendly transport and mobility by enhancing coordination of funded research initiatives among EC and national agencies.
4. Organise a set of focused dissemination activities that will enhance the impact of research outcomes from EC funded projects to the highest degree. Coordination with the activities of ERANET-Transport.
5. To develop a common set of indicators for the carbon impact of the transport research.

### **Project details**

**Project Acronym:** REACT

**Project Reference:** 233984

**Start Date:** 2009-08-01

**Duration:** 24 months

**Project Cost:** 1.46 million euro

**Contract Type:** Support actions

**End Date:** 2011-07-31

**Project Status:** Execution

**Project Funding:** 996875.00 euro

**Participants**

OIKON - INSTITUTE FOR APPLIED ECOLOGY	CROATIA
UNIVERZITET U BEOGRADU - SAOBRAČAJNI FAKULTET	SERBIA
WUPPERTAL INSTITUT FÜR KLIMA, UMWELT, ENERGIE GMBH.	GERMANY
POLIEDRA - CENTRI DI CONOSCENZA E FORMAZIONE DEL POLITECNICO DI MILANO	ITALY
CARDIFF UNIVERSITY	UNITED KINGDOM
GEOIMAGING LTD	CYPRUS
ARACHNI OLOKLIROMENES EFARMOGES PLIROFORIKIS KAI ROMPOTIKIS EPE	GREECE
POMORSKI FAKULTET U RIJECI	CROATIA

**Promote, mobilize, reinforce and integrate wireless sensor networking research and researchers: Towards pervasive networking of WBC and the EU (PROSENSE)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** REGPOT-2007-3-01 All thematic priorities' domains of the FP7

**Coordinator**

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**Organisation:**L.M. ERICSSON LIMITED

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**Project description**

The main objectives of the project are improving, building, fostering and disseminating the wireless sensor networking (WSN) expertise in the WBC region. The human and infrastructure research capabilities of two WBC research centres (Skopje and Belgrade) will be improved to enable them to drive WSN research in the region and actively collaborate with research institutions from the EU.

A sustainable cooperation framework that will support continuous collaboration of research institutions in WBC and the EU will be built through a two-way exchange of researchers, students, knowledge and know-how and joint research and educational actions. The fostering relates to the promotion of WSN research on the research and educational agendas of the WBC institutions and influencing national government bodies to support WSN research as an area of strategic interest.

**Project details**

**Project Acronym:** PROSENSE

**Project Reference:** 205494

**Start Date:** 2008-03-01

**Duration:** 24 months

**Project Cost:** 1.18 million euro

**Contract Type:** Support actions

**End Date:** 2010-02-28

**Project Status:** Execution

**Project Funding:** 900000.00 euro

**Participants**

THE UNIVERSITY OF BIRMINGHAM  
FACULTY OF ELECTRICAL ENGINEERING AND

UNITED KINGDOM  
THE FORMER YUGOSLAV

INFORMATION TECHNOLOGIES - SS CYRIL AND  
METHODIUS UNIVERSITY - SKOPJE

ELEKTROTEHNICKI FAKULTET UNIVERZITET U  
BEOGRADU

EREYNTIKO AKADIMAIKO INSTITOUTO  
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INSTITUT JOZEF STEFAN

POLITECHNIKA WARSZAWSKA

INSTITUT NATIONAL DE RECHERCHE EN  
INFORMATIQUE ET EN AUTOMATIQUE

REPUBLIC OF  
MACEDONIA

SERBIA

GREECE

SLOVENIA

POLAND

FRANCE

## **Western Balkan Countries INCO-NET (WBC-INCO.NET)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** INCO-2007-1.1 Western Balkan countries Region

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### **Project description**

WBC-INCO.NET's core objectives are to support the bi-regional dialogue between the EU, associated FP7 countries and the West Balkan Countries (WBC) and to enhance the participation of WBC researchers in European RTD projects by structural measures. The consortium includes 26 partners. Among them are the S&T ministries from Albania, Bosnia-Herzegovina, Croatia, FYROM, Montenegro and Serbia. In addition, S&T ministries from Austria, Bulgaria, Germany, Greece, Slovenia and Turkey participate in the consortium to add critical mass and momentum.

The political dimension at the bi-regional level is closely intertwined with the Steering Platform on Research for WBC, implemented under the Austrian EU Presidency together with the EC in 2006. WBC-INCO.NET also supports the dialogue within the region and an information exchange with several EC Directorates General and international stakeholders, such as UNESCO or World Bank. The dialogues are substantiated with several analytical inputs.

### **Project details**

**Project Acronym:** WBC-INCO.NET

**Project Reference:** 212029

**Start Date:** 2008-01-01

**Duration:** 48 months

**Project Cost:** 2.66 million euro

**Contract Type:** Coordination (or networking) actions

**End Date:** 2011-12-31

**Project Status:** Execution

**Project Funding:** 2.05 million euro

### **Participants**

MINISTARSTVO ZA NAUKU I TEHNOLOSKI RAZVOJ

SERBIA

UNIVERSITEIT MAASTRICHT.

NETHERLANDS

GENERAL SECRETARIAT FOR RESEARCH AND TECHNOLOGY	GREECE
TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TURKEY
MINISTERIA E ARSIMIT DHE E SHKENCES	ALBANIA
MINISTRY OF EDUCATION AND SCIENCE.	BULGARIA
MINISTRY OF CIVIL AFFAIRS - MCA	BOSNIA AND HERZEGOVINA
AUSTRIAN FEDERAL MINISTRY OF SCIENCE AND RESEARCH	AUSTRIA
MINISTERSTVO ZA OBRAZOVANIE I NAUKA	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
MINISTARSTVO PROSVJETE I NAUKE CRNE GORE	SERBIA AND MONTENEGRO
KOSOVA EDUCATION CENTER	SERBIA
TURKISH RESEARCH AND BUSINESS ORGANIZATIONS	BELGIUM
SOUTH EAST EUROPEAN RESEARCH CENTRE	GREECE
MINISTRSTVO ZA VISOKO SOLSTVO, ZNANOST IN TEHNOLOGIJO	SLOVENIA
SLOVENIAN BUSINESS & RESEARCH ASSOCIATION	BELGIUM
CIVET 2000 SH.P.K	ALBANIA
FOUNDATION FOR HIGHER EDUCATION WORLD UNIVERSITY SERVICE	BOSNIA AND HERZEGOVINA
MINISTARSTVO ZNANOSTI, OBRAZOVANJA I SPORTA	CROATIA
INSTITUTE OF SOCIAL SCIENCES IVO PILAR	CROATIA
MIHAILO PUPIN INSTITUTE	SERBIA AND MONTENEGRO
DEUTSCHES ZENTRUM FUR LUFT UND RAUMFAHRT E.V.	GERMANY
OESTERREICHISCHE FORSCHUNGSFOERDERUNGSGESELLSCHAFT MBH	AUSTRIA
Commission of the European Communities - Directorate General Joint Research Centre - JRC	BELGIUM
BUNDESMINISTERIUM FUER BILDUNG UND FORSCHUNG	GERMANY
AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA	ITALY

## **Plant terpenoids for human health: a chemical and genomic approach to identify and produce bioactive compounds (TERPMED)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** KBBE-2008-3-1-01 Plant natural products - Alternative sources for the synthesis of bioactive or industrial added value products

### **Coordinator**

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**Organisation:** UNIVERSITAT DE BARCELONA

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### **Project description**

Plant secondary metabolites are an important source of therapeutic drugs or drug leads. The advent of genomic and metabolomic technologies has now made it possible to bring the field of plant natural products into the 21st century and replace serendipitous and haphazard finding by rational design and discovery. This proposal is devoted to plant terpenes, the largest and most diverse group of plant natural products. TERPMED will focus on sesquiterpene lactones and phenolic diterpenes because of the presence of distinct functional groups and their high potential as novel human drugs for treating cancer and neurological disorders. By using a combination of comparative metabolomics and genomics, significant advances will be achieved in the understanding of the biosynthetic pathways of these compounds.

Focusing on specific functional groups such as <sup>3</sup>-butyrolactones and phenolics amongst the terpenes will allow the development of high-throughput analytical methodologies to detect, purify and characterize compounds bearing these groups. A comprehensive library of these compounds within a subset of plant biodiversity will be established. The compounds isolated will be tested for biological activity and the most active molecules will be selected. High throughput cDNA sequencing coupled to the comparative analysis of the metabolic profiles of targeted species will be achieved for the elucidation of the biosynthetic pathways of these compounds. Innovative production platforms using plant secretory organs such as the trichomes will be tested for the pilot production of the most promising compounds identified and the production of novel compounds by combinatorial biosynthesis.

### **Project details**

**Project Acronym:** TERPMED

**Project Reference:** 227448

**Start Date:** 2009-06-01

**Duration:** 48 months

**Project Cost:** 3.72 million euro

**Contract Type:** Small or medium-scale focused research project

**End Date:** 2013-05-31

**Project Status:** Execution

**Project Funding:** 2.69 million euro

**Participants**

UNIVERSITY OF WISCONSIN-MADISON	UNITED STATES
INSTITUT ZA BIOLOSKA ISTRAZIVANJA PRISNA B.V.	SERBIA
PLANT RESEARCH INTERNATIONAL B.V.	NETHERLANDS
WAGENINGEN UNIVERSITEIT	NETHERLANDS
ARISTOTELIO PANEPISTIMIO THESSALONIKIS	NETHERLANDS
	GREECE

## **Enlargement network for agripolicy analysis (AGRIPOLICY)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** KBBE-2007-1-4-05 Enlargement network - agro-economic policy analysis of the accession and the candidate states and the Western Balkan countries

### **Coordinator**

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**Organisation:**EUROQUALITY SARL

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### **Project description**

AgriPolicy builds on the results of the previous FP6 project CEEC AGRI POLICY (www.agripolicy.net) which was awarded financial support by DG Research in 2004 following the call FP6-2003-SSP-3. The overall objective of the proposal is to support the formulation of Community agricultural policies.

AgriPolicy has 4 specific objectives:

- Networking and information sharing: The objective is to stimulate the networking and the sharing of information between organisations involved in agri-economics analysis. The networking will be stimulated through the organisation of 3 symposia and 6 workshops and the development of a dynamic web site including an updated directories of experts and organisations.
- Provide scientific input for policy making: The objective is to provide analyses on a number of specific topics (8-monthly as well as report on demand).
- Prepare future analysis: The objective is to prepare for future policy and sectoral analyses and research by collecting quantitative and qualitative information. In the NMS, 3 monitoring reports of agricultural and rural will be prepared. In the WBC, a study on the existing availability of key agricultural and rural statistics will be prepared.
- Develop analytical capacities

### **Project details**

**Project Acronym:** AGRIPOLICY

**Project Reference:** 211760

**Start Date:** 2008-06-01

**Duration:** 24 months

**Project Cost:** 1.14 million euro

**Contract Type:** Support actions

**End Date:** 2010-05-31

**Project Status:** Execution

**Project Funding:** 998219.00 euro

**Participants**

EESTI MAAULIKOOL	ESTONIA
USTAV ZEMEDELSKE EKONOMIKY A INFORMACI	CZECH REPUBLIC
JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA	MONTENEGRO
SS. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
COSTAS PETRIDES AND ASSOCIATES LIMITED	CYPRUS
FACULTY OF AGRICULTURE - UNIVERSITY OF BELGRADE	SERBIA
UNIVERSITY OF CUKUROVA	TURKEY
KMETIJSKI INSTITUT SLOVENIJE - AGRICULTURAL INSTITUTE OF SLOVENIA	SLOVENIA
LIETUVOS AGRARINES EKONOMIKOS INSTITUTAS	LITHUANIA
LEIBNIZ INSTITUT FUER AGRARENTWICKUNG IN MITTEL- UND OSTEUROPA	GERMANY
THE UNIVERSITY OF EXETER	UNITED KINGDOM
LATVIAN STATE INSTITUTE OF AGRARIAN ECONOMICS	LATVIA
SVEUCILISTE U ZAGREBU AGRONOMSKI FAKULTET	CROATIA
FACULTY OF AGRICULTURE AND FOOD SCIENCE SARAJEVO	BOSNIA AND HERZEGOVINA
VYSKUMNY USTAV EKONOMIKY POLNOHOSPODARSTVA A POTRAVINARSTVA	SLOVAKIA
INSTITUT EKONOMIKI ROLINCTWA I GOSPODARKI ZYWNOSCIOWEJ	POLAND
UNIVERSITY OF PLOVDIV	BULGARIA
BUDAPESTI CORVINUS EGYETEM	HUNGARY
UNIVERZA V LJUBLJANI	SLOVENIA
UNIVERSITATEA BABES BOLYAI	ROMANIA
LANDBOUW-ECONOMISCH INSTITUUT B.V.	NETHERLANDS

## **South East European research area for e-infrastructures (SEERA-EI)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** INFRA-2008-3.0.1 ERA-NET supporting cooperation for research infrastructures in all S&T fields

### **Coordinator**

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**Organisation:** GREEK RESEARCH AND TECHNOLOGY NETWORK S.A.

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### **Project description**

The South-East European eInfrastructure initiatives aim to ensure equal participation of the region in European networking and Grid computing trends. SEEREN initiative has established regional network and SEE-GRID the regional Grid. SEE-LIGHT project is currently establishing dark-fibre backbone in the region, and SEE-GRID-SCI empowering strategic regional user communities in common use of the eInfrastructure. Close collaboration of National Research & Education Networks and National Grid Initiatives in the region was crucial in materializing this vision.

The above initiatives have also raised awareness of national ministries for the necessity of local programmes and financial support for eInfrastructures: a number of ministries have contributed to local network funding and regional interconnections, as well as national Grid programmes. SEERA-EI will capitalise on this momentum and link national-level programme managers and provide an open forum for information exchange, in order to enable coordination of national programmes in eInfrastructures, and to set the framework for a common regional agenda.

The project will gather and exchange information regarding current programmes and carry out a state-of-the-art analysis; produce set of best practices and guidelines for national eInfrastructure programmes; and identify areas for joint regional activities, ranging from short-term soft actions, mid-term policy-level actions, to preparatory activities for long-term actions. SEERA-EI will reduce fragmentation of national programmes, create a harmonized approach to national-level initiatives in eInfrastructures, ensure local commitment, and pave the way towards common regional vision, strategy and sustainable cooperation which will give the region a common voice on European and international stage and strengthen the ERA as a whole, enabling collaborative high-quality research across a spectrum of scientific fields.

### **Project details**

**Project Acronym:** SEERA-EI

**Project Reference:** 228052

**Start Date:** 2009-04-01  
**Duration:** 36 months  
**Project Cost:** 1.88 million euro  
**Contract Type:** Coordination (or networking) actions  
**End Date:** 2012-03-31  
**Project Status:** Execution  
**Project Funding:** 1.5 million euro

### Participants

SS. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
MINISTRY OF INFORMATION SOCIETY	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
INSTITUTE FOR PARALLEL PROCESSING - BULGARIAN ACADEMY OF SCIENCES	BULGARIA
STATE AGENCY FOR INFORMATION TECHNOLOGY AND COMMUNICATIONS	BULGARIA
MINISTRY OF COMMUNICATIONS AND TRANSPORT OF BOSNIA AND HERZEGOVINA	BOSNIA AND HERZEGOVINA
UNIVERSITETI POLITEKNIK I TIRANES	ALBANIA
MINISTRY OF EDUCATION AND SCIENCE	ALBANIA
GENIKI GRAMMATIA EREVNAS KAI TEKNOLOGIAS, YPOURGIO ANAPTIXIS	GREECE
TUBITAK ULUSAL AKADEMIK AG VE BILGI MERKEZI	TURKEY
TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TURKEY
UNIVERZITET U BEOGRADU	SERBIA
MINISTARSTVO ZA NAUKU I TEHNOLOSKI RAZVOJ	SERBIA
AGENTIA DE ADMINISTRARE A RETELEI NATIONALE DE INFORMATICA PENTRU EDUCATIE SI CERCETARE	ROMANIA
MINISTERUL EDUCATIEI, CERCETARII SI INOVARI - AUTORITATEA NATIONALA PENTRU CERCETARE STIINTIFICA	ROMANIA
JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA	MONTENEGRO
MINISTARSTVO PROSVEJETE I NAUKE	MONTENEGRO
RESEARCH AND EDUCATIONAL NETWORKING ASSOCIATION OF MOLDOVA	MOLDOVA
ACADEMIA DE STIINTE A MOLDOVEI	MOLDOVA

## **Sustainable exploitation of bioactive components from the Black Sea Area traditional foods (BASEFOOD)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** KBBE-2008-2-2-02 Bioactive compounds in traditional food products - SICA (Black Sea Region)

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**Organisation:** ALMA MATER STUDIORUM-UNIVERSITA DI BOLOGNA

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### **Project description**

BaSeFood aims to promote sustainable development and exploitation of Traditional Foods containing emerging bioactive compounds with putative health effects in the Black Sea Region (BSR). The Consortium includes 13 partners covering the BSR, EuroFIR partners with experience on traditional foods and bioactive compounds at the pan-European level, and one representing 11 European Food and Drink Federations.

The objectives of BaSeFood are:

- To investigate the knowledge base of traditional foods of the BSR in order to identify those foods to be collected and analyzed. (WP1).
- To define, characterize and collect nutrient and bioactive data for a subset of about 30 prioritized traditional foods using previously developed and validated EuroFIR guidelines and bioactive databases, with appropriate analyses (WP2).
- To carry out case human intervention studies (priority: cardiovascular disease protection), supported by intensive in vitro and in vivo laboratory tests, to address the requirement for supporting evidence in nutrition and health claims (WP3).
- To accurately map and describe the flow charts of BSR traditional foods preparation and processing, and determine bioactive retention at both laboratory and pilot plant scale in close collaboration with industry partners (WP4).
- To evaluate attitudes of processors and consumers in order to optimize and enhance the whole food chain for improved availability and health benefits of BSR traditional foods (WP5).
- To widely disseminate results and findings in order to enhance awareness and sustainable development of traditional foods of the BSR for improved health (WP6).

The project objectives are entirely congruent with those of the call, and will serve to (a) make a significant contribution to the substantiation of nutrition/health claims for traditional foods (b) enhance the cooperation between researchers and stakeholders, and (c) promote sustainable economic development for European SMEs and the BSR

**Project details****Project Acronym:** BASEFOOD**Project Reference:** 227118**Start Date:** 2009-04-01**Duration:** 36 months**Project Cost:** 3.69 million euro**Contract Type:** Collaborative project for specific cooperation actions dedicated to international cooperation partner countries (SICA)**End Date:** 2012-03-31**Project Status:** Execution**Project Funding:** 2.91 million euro**Participants**

ACADEMIA DE STUDII ECONOMICE DIN BUCURESTI	ROMANIA
SPREAD EUROPEAN SAFETY GEIE	ITALY
STATE EDUCATIONAL INSTITUTION OF THE HIGHER PROFESSIONAL EDUCATION MOSCOW STATE UNIVERSITY OF FOOD PRODUCTIONS	RUSSIAN FEDERATION
UZHGORODSKYI NACIONALNYI UNIVERSITET	UKRAINE
ODESSA NATIONAL ACADEMY OF FOOD TECHNOLOGIES	UKRAINE
HELLENIC HEALTH FOUNDATION	GREECE
YEDITEPE UNIVERSITY	TURKEY
UNIVERSITY OF FOOD TECHNOLOGIES	BULGARIA
INSTITUT ZA MEDICINSKA ISTRA IVANJA	SERBIA
BIOLOGICAL FARMING ASSOCIATION ELKANA	GEORGIA
INSTITUTO NACIONAL DE SAUDE DR. RICARDO JORGE	PORTUGAL
INSTITUTE OF FOOD RESEARCH	UNITED KINGDOM

## **Intelligent learning extended organisation (INTELLEO)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ICT-2007.4.3 Digital libraries and technology-enhanced learning (ICT-2007.4.3)

### **Coordinator**

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**Organisation:** INSTITUT FUR ANGEWANDTE SYSTEMTECHNIK BREMEN GMBH

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### **Project description**

The project will develop intelligent technologies to support learning and knowledge-building (LKB) activities in Intelligent Learning Extended Organisation (IntelLEO), a new paradigm representing a community that emerges as a temporal integration of two or more different business and educational communities and organizational cultures (industrial, research and educational).

The objective is to explore how the responsiveness of the LKB environments in an IntelLEO, aiming to enhance motivation of learners, proactively encouraging them to take part in LKB activities, can be radically enhanced by advanced technology exploiting a synergy between services for:

- efficient management of collaborative LKB activities and access to and supply of shared content, and
- harmonisation of individual and organisational objectives.

The project will develop:

- a new Implementation Framework on how to exploit this synergy, taking into account the best social constructivist and situated learning practices in collaborative LBK for an IntelLEO
- an innovative ontological framework for context capturing which includes learners, context and collaboration models, serving to achieve the targeted synergy
- generic and widely applicable synergetic services, fitting SOA principles, for managing collaborative LKB activities and contents within an IntelLEO, such as services for:
  - Management of Social Interactions,
  - Provision of learning resources,
  - Provision of the most appropriate LKB path for individuals/groups,
  - Scaffolding of the learning process of individuals in accordance with organisation objectives & policy.

The new services will be validated within three IntelLEOs each involving various configurations of business and educational organisations, made to share resources, skills and costs in supporting LKB activities. An analysis of socio-economic context regarding applicability/ usefulness of the approach proposed and services will be provided.

**Project details****Project Acronym:** INTELLEO**Project Reference:** 231590**Start Date:** 2009-02-01**Duration:** 36 months**Project Cost:** 2.93 million euro**Contract Type:** Collaborative project (generic)**End Date:** 2012-01-31**Project Status:** Execution**Project Funding:** 1.8 million euro**Participants**

ATHABASCA UNIVERSITY

EESTI OPETAJATE LIIT

INI DOO

TALLINN UNIVERSITY

ATOS ORIGIN SOCIEDAD ANONIMA ESPANOLA

FACULTY OF ORGANIZATIONAL SCIENCES, UNIVERSITY OF  
BELGRADE

ZENTRUM FUER SOZIALE INNOVATION

VOLKSWAGEN AG

CANADA

ESTONIA

SERBIA

ESTONIA

SPAIN

SERBIA

AUSTRIA

GERMANY

**Multifunctional nanomaterials characterisation exploiting ellipsometry and polarimetry**  
**(NANOCHARM)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** NMP-2007-2.1-3 Characterisation of nanostructured materials

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**Project description**

Ellipsometry and polarimetry have enormous capabilities for characterization of multifunctional materials, devices, processing and phenomena at the nanoscale, with consideration of the nanostructure-properties-functionality relationship, which can be addressed non-destructively, non-invasively, in non-contact, in-line and in real-time without any specific condition requirements for measurements and without any sort of environmental impact.

This Coordination action is aimed at expressing, assessing and spreading capability of ellipsometry/polarimetry in serving nanomaterial scientists, producers and end-users to address complexity of a large variety of multifunctional nanostructures, hybrid systems, interface behaviours, surface-related phenomena, molecular self-assembling: for all those systems, ellipsometry/polarimetry is beyond just dimension at the nanoscale yielding information on compositional, optical, electrical, magnetic characteristics associated to the specific nanostructure.

This CA identify European expertise and establish a platform for

- coordination of research on ellipsometry for a large variety of nanomaterials, devices and technologies
- dissemination and development of actions to allow nanomaterials scientists, students, SMEs and end-users approaching and exploiting ellipsometry and polarimetry for designing nanomaterials and nanodevices with unexplored functionalities and for controlling/implementing related production technologies.

Advantages that this CA include improvement of knowledge of chemical and physical properties of nanomaterials, new controlled procedures of production, and more sustainable products. The technological impact is huge involving the major production areas and industries of a developed economy such as health-(medicine, biotechnology), environment-(hazardous gas sensing-monitoring), energetics-(photovoltaics), components-(semiconductor, coating industries), which all produce and use multifunctional nanostructure.

**Project details****Project Acronym:** NANOCHARM**Project Reference:** 218570**Start Date:** 2008-01-01**Duration:** 36 months**Project Cost:** 1.59 million euro**Contract Type:** Coordination (or networking) actions**End Date:** 2010-12-31**Project Status:** Execution**Project Funding:** 1.2 million euro**Participants**

INSTITUT ZA FIZIKU ZEMUN

SERBIA

MASARYKOVA UNIVERZITA

CZECH  
REPUBLICGESELLSCHAFT ZUR FORDERUNG DER ANALYTISCHEN  
WISSENSCHAFTEN E.V.

GERMANY

HORIBA JOBIN YVON S.A.S.

FRANCE

Centre National de la Recherche Scientifique (CNRS)

FRANCE

INSTITUTE OF NANOTECHNOLOGY

UNITED  
KINGDOM

JOHANNES KEPLER UNIVERSITAET LINZ

AUSTRIA

## **Reinforcing S&T capacities of two emerging research centers for natural and industrial pollutant materials in Serbia and Slovenia (RESTCA-TERCE-NIPMSS)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** REGPOT-2007-3-01 All thematic priorities' domains of the FP7

### **Coordinator**

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**Organisation:** UNIVERSITY OF BELGRADE - FACULTY OF MINING AND GEOLOGY

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### **Project description**

The project RESTCA-TERCE-NIPMSS is aimed at reinforcing the S&T potential of two emerging research centres, which are dealing with study of natural and industrial solid pollutants: (1) Mineralogy-Crystallography and Petrology-Geochemistry Departments of the Faculty of Mining and Geology, Serbia (UB-FMG) and Department of Geochemistry and Environmental Geology, Geological Survey of Slovenia (GeoZS) - by establishing strategic partnership among each other and with the Institute of Geosciences, Division of Mineralogy, University of Frankfurt, Germany (GUF).

The major project objectives are:

- strengthening the international co-operation networking and partnership between the UB-FMG, GUF and GeoZS and setting-up a brain-gain environment,
- improving material research standards at the UB-FMG by renewal and upgrade of the facilities,
- exploiting the RTD results of the GeoZS and UB-FMG and promoting them to national/regional centres of excellence

### **Project details**

**Project Acronym:** RESTCA-TERCE-NIPMSS

**Project Reference:** 204374

**Start Date:** 2008-05-01

**Duration:** 36 months

**Project Cost:** 1.06 million euro

**Contract Type:** Support actions

**End Date:** 2011-04-30

**Project Status:** Execution

**Project Funding:** 897431.00 euro

### **Participants**

GEOLOSKI ZAVOD SLOVENIJE

SLOVENIA

JOHANN WOLFGANG GOETHE UNIVERSITAET FRANKFURT AM MAIN GERMANY

## **Health risk from environmental pollution levels in urban systems (HEREPLUS)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ENV.2007.1.2.3.2. Geographical information systems in support for environment and health research

### **Coordinator**

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**Organisation:** CONSORZIO SAPIENZA INNOVAZIONE

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ITALY

### **Project description**

HEREPLUS will:

- involve coordination among epidemiologists, biostatisticians, environmental scientists, GIS specialists in order to realize the full potential of GIS technology in environmental health research;
- develop risk maps relating to human health, and O<sub>3</sub> and PM concentrations using the ArcGis approach, taking into account existing and validated epidemiological models, for selection of important and problematic large European urban areas such as Rome, Madrid, Dresden, Athens;
- improve the knowledge of the potential role of different urban vegetation types for mitigating the O<sub>3</sub> and PM pollution levels, and provide best practices regarding the selection of no-VOCs emitting species and management of large green areas located in different neighboring urban areas;
- furnish guidelines for municipal managers and administrators deputed to establish urban-environmental measures which combine risk maps, urban vegetation as a sink for ozone and PM, and minimization of sanitary costs, all based on results and knowledge achieved by the project activities as a whole. These guidelines will take the form of best practices recommendations and designs for municipal laws that may be used as a base-line for municipal administrations;

### **Project details**

**Project Acronym:** HEREPLUS

**Project Reference:** 212854

**Start Date:** 2008-09-01

**Duration:** 30 months

**Project Cost:** 1.68 million euro

**Contract Type:** Coordination (or networking) actions

**End Date:** 2011-02-28

**Project Status:** Execution

**Project Funding:** 1.4 million euro

**Participants**

INSTITUTO DE SALUD CARLOS III	SPAIN
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	ITALY
FACULTY OF MEDICINE, UNIVERSITY OF BELGRADE	SERBIA
ACADEMY OF ATHENS	GREECE
COMMISSION OF THE EUROPEAN COMMUNITIES - DIRECTORATE GENERAL JOINT RESEARCH CENTRE - JRC	BELGIUM
TECHNISCHE UNIVERSITAET DRESDEN	GERMANY
UNIVERSITY OF KEELE	UNITED KINGDOM
CONSIGLIO NAZIONALE DELLE RICERCHE	ITALY
CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT	SPAIN

## **Reinforcement of sustainable aquaculture (ROSA)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** REGPOT-2007-3-01 All thematic priorities' domains of the FP7

### **Coordinator**

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**Organisation:** FACULTY OF AGRICULTURE - UNIVERSITY OF BELGRADE

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### **Project description**

The Faculty of Agriculture (FA) University of Belgrade is the leading institution that ensures research and HE in aquaculture in Serbia. The existing research team in the field of aquaculture covers main aspects of fish production using a multidisciplinary approach for sustainable development. ROSA intends to contribute to development of Serbia and WB aquaculture by reinforcing this existing expertise. The project proposal builds on complementary collaboration in several existing international & national projects and aims to increase human and research potential to improve production results in carp culture, the species widely cultured in WB. Increase in carp production will be realized through: better quality of the added food and feeding dynamics; development of carp selection; and reduction of water pollution.

### **Project details**

**Project Acronym:** ROSA

**Project Reference:** 205135

**Start Date:** 2008-02-01

**Duration:** 36 months

**Project Cost:** 1.09 million euro

**Contract Type:** Support actions

**End Date:** 2011-01-31

**Project Status:** Execution

**Project Funding:** 850000.00 euro

### **Participants**

NORWEGIAN INSTITUTE FOR AGRICULTURAL AND ENVIRONMENTAL RESEARCH - BIOFORSK NORWAY

RESEARCH INSTITUTE FOR FISHERIES, AQUACULTURE AND IRRIGATION HUNGARY

## **Enabling grids for e-science III (EGEE-III)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** INFRA-2007-1.2.3 e-Science Grid infrastructures

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**Organisation:** EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

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### **Project description**

A globally distributed computing Grid now plays an essential role for large-scale, data intensive science in many fields of research. The concept has been proven viable through the Enabling Grids for E-sciencE project (EGEE and EGEE-II, 2004-2008) and its related projects. EGEE-II is consolidating the operations and middleware of this Grid for use by a wide range of scientific communities, such as astrophysics, computational chemistry, earth and life sciences, fusion and particle physics. Strong quality assurance, training and outreach programmes contribute to the success of this production Grid infrastructure.

Built on the pan-European network GEANT2, EGEE has become a unique and powerful resource for European science, allowing researchers in all regions to collaborate on common challenges. Worldwide collaborations have extended its reach to the benefit of European science.

The proposed EGEE-III project has two clear objectives that are essential for European research infrastructures: to expand, optimize and simplify the use of Europe's largest production Grid by continuous operation of the infrastructure, support for more user communities, and addition of further computational and data resources; to prepare the migration of the existing Grid from a project-based model to a sustainable federated infrastructure based on National Grid Initiatives.

By strengthening interoperable, open source middleware, EGEE-III will actively contribute to Grid standards, and work closely with businesses to ensure commercial uptake of the Grid, which is a key to sustainability.

Federating its partners on a national or regional basis, EGEE-III will have a structuring effect on the European Research Area. In particular, EGEE-III will ensure that the European Grid does not fragment into incompatible infrastructures of varying maturity. EGEE-III will provide a world class, coherent and reliable European Grid, ensuring Europe remains at the forefront of scientific excellence.

## Project details

**Project Acronym:** EGEE-III

**Project Reference:** 222667

**Start Date:** 2008-05-01

**Duration:** 24 months

**Project Cost:** 46.89 million euro

**Contract Type:** No contract type

**End Date:** 2010-04-30

**Project Status:** Execution

**Project Funding:** 32 million euro

## Participants

THE OPEN <i>UNIVERSITY</i>	ISRAEL
PAMUKKALE UNIVERSITESI	TURKEY
INTERDISCIPLINARY CENTRE FOR MATHEMATICAL AND COMPUTATIONAL MODELLING	POLAND
CONSORZIO COSMOLAB	ITALY
CONSORZIO COMETA	ITALY
INSTITUTE OF MECHANICS, BULGARIAN ACADEMY OF SCIENCES	BULGARIA
<i>UNIVERSITY</i> OF WESTERN MACEDONIA RESEARCH COMMITTEE	GREECE
TURKISH ATOM ENERJISI KURUMU	TURKEY
<i>UNIVERSITY</i> OF CUKUROVA	TURKEY
ERCIYES UNIVERSITESI	TURKEY
BT INFRASTRUCTURES CRITIQUES SAS	FRANCE
UNINETT SIGMA AS	NORWAY
INTER- <i>UNIVERSITY</i> RESEARCH INSTITUTE CORPORATION, HIGH ENERGY ACCELERATOR RESEARCH ORGANISATION	JAPAN
CENTER FOR RESEARCH & TECHNOLOGY - THESSALY	GREECE
FAKULTET ELEKTROTEHNIKE, STROJARSTVA I BRODOGRADNJE, SVEUCILISTA U SPLITU	CROATIA
INSTITUTULUI NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA SI INGINERIE NUCLEARA "HORIA HULUBEI"	ROMANIA
NATIONAL SUPERCOMPUTER CENTRE, LINKOPING <i>UNIVERSITY</i>	SWEDEN
NATIONAL INSTITUTE FOR AEROSPACE RESEARCH	ROMANIA
NATIONAL CENTRE FOR INTEGRATED RESEARCH FOR THE INFORMATION SOCIETY	GREECE
<i>UNIVERSITY</i> OF MELBOURNE	AUSTRALIA
CHONNAM NATIONAL <i>UNIVERSITY</i>	KOREA, REPUBLIC OF
INSTITUT ZA FIZIKU ZEMUN	SERBIA
MINISTRY OF HEALTH	CYPRUS
UNIVERSITATEA DE VEST DIN TIMISOARA	ROMANIA
CENTRO DE INVESTIGACIONES ENERGETICAS,	SPAIN

MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT	TURKEY
ISTANBUL TEKNIK UNIVERSITESI	TURKEY
<i>UNIVERSITY</i> OF WISCONSIN-MADISON	UNITED STATES
ATHENS <i>UNIVERSITY</i> OF ECONOMICS AND BUSINESS	GREECE
VETENSKAPSRADET - SWEDISH RESEARCH COUNCIL	SWEDEN
GESELLSCHAFT FUER SCHWERIONENFORSCHUNG MBH.	GERMANY
<i>UNIVERSITY</i> OF TROMSOE	NORWAY
INSTITUTE FOR PARALLEL PROCESSING - BULGARIAN ACADEMY OF SCIENCES	BULGARIA
CENTRALE RECHERCHE SA	FRANCE
BOGAZICI UNIVERSITESI	TURKEY
STICHTING VOOR FUNDAMENTEEL ONDERZOEK DER MATERIE - FOM	NETHERLANDS
MAGYAR TUDOMANYOS AKADEMIA SZAMITASTECHNIKAI ES AUTOMATIZALASI KUTATO INTEZET	HUNGARY
<i>UNIVERSITY</i> OF THESSALY	GREECE
CYPRUS RESEARCH AND ACADEMIC NETWORK	CYPRUS
ISTITUTO NAZIONALE DI FISICA NUCLEARE	ITALY
BEN-GURION <i>UNIVERSITY</i> OF THE NEGEV	ISRAEL
ECOLE CENTRAL PARIS	FRANCE
PANEPISTIMIO AIGAIUO	GREECE
ACADEMY OF ATHENS	GREECE
INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS	GREECE
NATIONAL OBSERVATORY OF ATHENS	GREECE
UNIVERSITA DEGLI STUDI DEL PIEMONTE ORIENTALE AMEDEO AVOGADRO	ITALY
EREYNITIKO AKADIMAIKO INSTITOUTO TECHNOLOGIAS YPOLOGISTON	GREECE
WEIZMANN INSTITUTE OF SCIENCE	ISRAEL
UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II.	ITALY
NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	GREECE
<i>UNIVERSITY</i> OF GLASGOW	UNITED KINGDOM
AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE	POLAND
HELLENIC NATIONAL METEOROLOGICAL SERVICE	GREECE
IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UNITED KINGDOM
UNIVERSITETET I BERGEN	NORWAY
UNIVERSITE PARIS-SUD XI	FRANCE
INTER <i>UNIVERSITY</i> COMPUTATION CENTRE	ISRAEL
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)	FRANCE

EDEX-EDUCATIONAL EXCELLENCE CORPORATION LIMITED	CYPRUS
CGG SERVICES	FRANCE
SOUTHERN PARTNERSHIP FOR ADVANCED COMPUTATIONAL INFRASTRUCTURES	ITALY
ELSAG DATAMAT S.P.A.	ITALY
UNIVERSITATEA DIN BUCURESTI	ROMANIA
TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TURKEY
NATIONAL TECHNICAL <i>UNIVERSITY</i> OF ATHENS	GREECE
Helsingin Yliopisto	FINLAND
CHALMERS TEKNISKA HOEGSKOLA AB	SWEDEN
COMMISSARIAT A L'ENERGIE ATOMIQUE (CEA)	FRANCE
ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA E L'AMBIENTE	ITALY
SWITCH -TELEINFORMATIKDIENSTE FUER LEHRE UND FORSCHUNG	SWITZERLAND
CONSORTIUM GARR (GESTIONE AMPLIAMENTO RETE RICERCA)	ITALY
HEALTHGRID	FRANCE
GREEK RESEARCH AND TECHNOLOGY NETWORK S.A.	GREECE
UNIVERSITATEA TEHNICA CLUJ-NAPOCA	ROMANIA
<i>UNIVERSITY</i> OF PIRAEUS RESEARCH CENTER	GREECE
PANEPISTIMIO IOANNINON	GREECE
UNIVERSITAET LINZ	AUSTRIA
UNIVERSITAET INNSBRUCK	AUSTRIA
TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY	ISRAEL
TRUST-IT SERVICES LTD	UNITED KINGDOM
INSTITUTE OF ACCELERATING SYSTEMS AND APPLICATIONS	GREECE
BILKENT UNIVERSITESI	TURKEY
SCIENCE AND TECHNOLOGY FACILITIES COUNCIL	UNITED KINGDOM
UNIFOB AS	NORWAY
SINCROTRONE TRIESTE SCPA	ITALY
KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY INFORMATION	KOREA, REPUBLIC OF
UNIVERSITE DE NICE - SOPHIA ANTIPOLIS	FRANCE
INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON	FRANCE
THE <i>UNIVERSITY</i> OF NORTH CAROLINA AT CHAPEL HILL	UNITED STATES
SVEUCILISTE U ZAGREBU SVEUCILISNI RACUNSKI CENTAR	CROATIA
MTA KFKI RESZECSKE- ES MAGFIZIKAI KUTATOINTEZET	HUNGARY
DEUTSCHES KLIMARECHENZENTRUM GMBH	GERMANY
SKOBELTSYN INSTITUTE OF NUCLEAR PHYSICS OF MOSCOW STATE <i>UNIVERSITY</i>	RUSSIAN FEDERATION
PETERSBURG NUCLEAR PHYSICS INSTITUTE	RUSSIAN FEDERATION

KELDYSH INSTITUTE OF APPLIED MATHEMATICS OF THE RAS	RUSSIAN FEDERATION
JOINT INSTITUTE FOR NUCLEAR RESEARCH	RUSSIAN FEDERATION
INSTITUTE FOR THEORETICAL AND EXPERIMENTAL PHYSICS	RUSSIAN FEDERATION
INSTITUTE OF MATHEMATICAL PROBLEMS OF BIOLOGY OF THE RAS	RUSSIAN FEDERATION
STATE RESEARCH CENTER OF RUSSIAN FEDERATION - INSTITUTE FOR HIGH ENERGY PHYSICS, ENTIDAD PUBLICA EMPRESARIAL RED.ES	RUSSIAN FEDERATION SPAIN
VEREIN ZUR FOERDERUNG EINES DEUTSCHEN FORSCHUNGSNETZES DFN VEREIN E.V.	GERMANY
DELIVERY OF ADVANCED NETWORK TECHNOLOGY TO EUROPE LIMITED	UNITED KINGDOM
INSTITUTO DE FISICA DE ALTAS ENERGIAS	SPAIN
ACADEMIA SINICA	TAIWAN
FUNDACION CENTRO TECNOLOGICO DE SUPERCOMPUTACION DE GALICIA	SPAIN
LABORATORIO DE INSTRUMENTACAO E FISICA EXPERIMENTAL DE PARTICULAS	PORTUGAL
RUDER BOSKOVIC INSTITUTE	CROATIA
INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE IN INFORMATICA - ICI BUCURESTI	ROMANIA
ISTITUTO NAZIONALE DI ASTROFISICA	ITALY
NEMZETI INFORMACIOS INFRASTRUKTURA FEJLESZTESI IRODA	HUNGARY
Centre National de la Recherche Scientifique (CNRS)	FRANCE
STICHTING ACADEMISCH REKENCENTRUM AMSTERDAM (SARA).	NETHERLANDS
THE <i>UNIVERSITY</i> OF EDINBURGH	UNITED KINGDOM
CONSIGLIO NAZIONALE DELLE RICERCHE	ITALY
UNIVERSIDAD COMPLUTENSE DE MADRID	SPAIN
UNIVERSITA DELLA CALABRIA	ITALY
<i>UNIVERSITY</i> OF CRETE	GREECE
USTAV INFORMATIKY, SLOVENSKA AKADEMIA VIED	SLOVAKIA
GEOPHYSICAL CENTER OF THE RUSSIAN ACADEMY OF SCIENCES	RUSSIAN FEDERATION
The Chancellor, Masters and Scholars of the <i>University</i> of Oxford	UNITED KINGDOM
UNIVERSITETET I OSLO	NORWAY
UNIVERSITATEA POLITEHNICA DIN BUCURESTI	ROMANIA
NATIONAL AND KAPODISTRIAN <i>UNIVERSITY</i> OF ATHENS	GREECE
ARISTOTLE <i>UNIVERSITY</i> OF THESSALONIKI	GREECE

UMEA UNIVERSITET	SWEDEN
CSC-TIETEELLINEN LASKENTA OY	FINLAND
THE <i>UNIVERSITY</i> OF MANCHESTER	UNITED KINGDOM
<i>UNIVERSITY</i> OF MACEDONIA, ECONOMIC AND SOCIAL SCIENCES	GREECE
UNIVERSIDAD DE ZARAGOZA	SPAIN
CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS	GREECE
CESNET, ZAJMOVE SDRUZENI PRAVNICKYCH OSOB	CZECH REPUBLIC
SOFIISKI UNIVERSITET "SVETI KLIMENT OHRIDSKI"	BULGARIA
UNINETT AS	NORWAY
UNIVERSITE CLAUDE BERNARD LYON 1	FRANCE
UPPSALA UNIVERSITET	SWEDEN
FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	GREECE
POLITECHNIKA WROCLAWSKA	POLAND
Forschungszentrum Karlsruhe GMBH	GERMANY
UNIVERSITE BLAISE PASCAL	FRANCE
BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM	HUNGARY
EOTVOS LORAND TUDOMANYEGYETEM	HUNGARY
QUEEN MARY AND WESTFIELD COLLEGE, <i>UNIVERSITY</i> OF LONDON	UNITED KINGDOM
MIDDLE EAST TECHNICAL <i>UNIVERSITY</i>	TURKEY
RUSSIAN RESEARCH CENTRE "KURCHATOV INSTITUTE"	RUSSIAN FEDERATION
<i>UNIVERSITY</i> OF CYPRUS	CYPRUS
KUNGLIGA TEKNISKA HOEGSKOLAN	SWEDEN
LUNDS UNIVERSITET	SWEDEN
ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA	ITALY
THE PROVOST FELLOWS & SCHOLARS OF THE COLLEGE OF THE HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN	IRELAND
TEL AVIV <i>UNIVERSITY</i>	ISRAEL
<i>UNIVERSITY</i> OF PATRAS	GREECE
UNIVERSITA DEGLI STUDI DI PERUGIA	ITALY
RIJKSUNIVERSITEIT GRONINGEN	NETHERLANDS
UNIVERSIDAD POLITECNICA DE VALENCIA	SPAIN
Universite Libre de Bruxelles	BELGIUM
STIFTUNG DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY	GERMANY
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	SPAIN
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	GERMANY
VRIJE UNIVERSITEIT BRUSSEL	BELGIUM
EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH	SWITZERLAND
INSTITUT JOZEF STEFAN	SLOVENIA

## **SEE-GRID eInfrastructure for regional eScience (SEE-GRID-SCI)**

Funded under 7th FWP (Seventh Framework Programme)

### **Coordinator**

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**Organisation:** GREEK RESEARCH AND TECHNOLOGY NETWORK S.A.

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### **Project description**

eInfrastructure in Europe has reached a mature state where the GEANT network forms a backbone on top of which a distributed computing infrastructure - the Grid - provides processing and storage services for eScience research. The South-East European eInfrastructure initiatives are committed to ensuring equal participation of the less-resourced countries of the region in European trends. SEEREN initiative has established a regional network and its GEANT connection and the SEE-GRID initiative the regional Grid. Hereby proposed SEE-GRID-SCI will leverage the SEE eInfrastructure to enable new scientific collaborations among SEE user communities.

SEE-GRID-SCI will stimulate widespread integrated eInfrastructure uptake by new cross-border user groups extending over the region, fostering collaboration and providing advanced capabilities to more researchers, with an emphasis on strategic groups in seismology, meteorology and environmental protection. The initiative thus aims to have a catalytic and structuring effect on a variety of user communities that currently do not directly benefit from the available eInfrastructures. In parallel, it will enlarge the regional eInfrastructure to cater for demands of the communities: a number of new Grid clusters and countries will be added, engaging a wider range of players and expanding the provider pool. Finally, SEE-GRID-SCI will help mature and stabilise the National Grid Initiatives in the region, allowing them to join the new era of longer-term sustainable Grid infrastructure in Europe. In this context, SEE-GRID-SCI will aim to attract political and financial support for materializing the eInfrastructure vision.

In longer term, SEE-GRID-SCI aspires to contribute to the stabilisation and development of South-East Europe, by easing the digital divide and stimulating eInfrastructure development and adoption by new user communities, thus enabling collaborative high-quality research across a spectrum of scientific fields.

### **Project details**

**Project Acronym:** SEE-GRID-SCI

**Project Reference:** 211338

**Start Date:** 2008-05-01

**Duration:** 24 months

**Project Cost:** 3.21 million euro  
**Contract Type:** No contract type  
**End Date:** 2010-04-30  
**Project Status:** Execution  
**Project Funding:** 2.5 million euro

### Participants

FACULTY OF GRAPHICAL ART , <i>UNIVERSITY</i> OF ZAGREB	CROATIA
INSTITUTE OF GEOLOGY AND SEISMOLOGY OF ACADEMY OF SCIENCES OF MOLDOVA	MOLDOVA
FACULTY OF RADIOELECTRONICS AND TELECOMMUNICATIONS OF TECHNICAL <i>UNIVERSITY</i> OF MOLDOVA	MOLDOVA
HYDROMETEOROLOGICAL INSTITUTE OF MONTENEGRO	MONTENEGRO
SERVICIULUI HIDROMETEOROLOGIC DE STAT SOUTH ENVIRONMENT AND WEATHER AGENCY	MOLDOVA SERBIA
FACULTY OF ELECTRICAL ENGINEERING, <i>UNIVERSITY</i> OF <i>BELGRADE</i>	SERBIA
<i>UNIVERSITY</i> OF KRAGUJEVAC	SERBIA
FEDERAL HYDROMETEOROLOGY INSTITUTE	BOSNIA AND HERZEGOVINA
FACULTY OF NATURAL SCIENCES, <i>UNIVERSITY</i> OF BANJA LUKA	BOSNIA AND HERZEGOVINA
HYDROMETEOROLOGICAL INSTITUTE	BOSNIA AND HERZEGOVINA
MAGYAR TUDOMANYOS AKADEMIA GEODEZIAI ES GEOFIZIKAI KUTATOINTEZET	HUNGARY
GEOPHYSICAL INSTITUTE - BULGARIAN ACADEMY OF SCIENCES	BULGARIA
INSTITUTE OF PHYSICS <i>BELGRADE</i>	SERBIA
<i>UNIVERSITY</i> SS CYRIL & METHODIUS SKOPJE, FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGIES	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
UNIVERSITETI POLITEKNIK I TIRANES	ALBANIA
FACULTY OF NATURAL SCIENCES AND MATHEMATICS, C.O.	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
<i>UNIVERSITY</i> OF ZAGREB, DEPARTMENT OF GEOPHYSICS, FACULTY OF SCIENCE	CROATIA
JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA	MONTENEGRO
<i>UNIVERSITY</i> OF NIS FACULTY OF ELECTRONIC ENGINEERING	SERBIA
GEORGIAN RESEARCH AND EDUCATIONAL NETWORKING ASSOCIATION	GEORGIA

INSTITUTE FOR INFORMATICS AND AUTOMATION PROBLEMS OF THE NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF ARMENIA	ARMENIA
UNIVERZITET U BEOGRADU	SERBIA
BOGAZICI UNIVERSITESI	TURKEY
UNIVERSITATEA DIN BUCURESTI	ROMANIA
YEREVAN PHYSICS INSTITUTE AFTER A.I. ALIKHANYAN	ARMENIA
UNIVERSITATEA TEHNICA CLUJ-NAPOCA	ROMANIA
INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS	GREECE
NATIONAL OBSERVATORY OF ATHENS	GREECE
PRIRODNO - MATEMATICKI FAKULTET SARAJEVO J.U.	BOSNIA AND HERZEGOVINA
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH	SWITZERLAND
UNIVERZITET U BANJOJ LUCI ELEKTROTEHNICKI FAKULTET	BOSNIA AND HERZEGOVINA
RUDER BOSKOVIC INSTITUTE	CROATIA
RESEARCH AND EDUCATIONAL NETWORKING ASSOCIATION OF MOLDOVA	MOLDOVA
ST'S CYRIL AND METHODIUS <i>UNIVERSITY</i> OF SKOPJE	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE IN INFORMATICA - ICI BUCURESTI	ROMANIA
INSTITUTE FOR PARALLEL PROCESSING OF THE BULGARIAN ACADEMY OF SCIENCES	BULGARIA
TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TURKEY
UNIVERSITATEA POLITEHNICA DIN BUCURESTI	ROMANIA
ARISTOTLE <i>UNIVERSITY</i> OF THESSALONIKI	GREECE
UNIVERSITATEA DE VEST DIN TIMISOARA	ROMANIA
MAGYAR TUDOMANYOS AKADEMIA SZAMITASTECHNIKAI ES AUTOMATIZALASI KUTATO INTEZET	HUNGARY
EOTVOS LORAND TUDOMANYEGYETEM	HUNGARY
MIDDLE EAST TECHNICAL <i>UNIVERSITY</i> <i>UNIVERSITY</i> OF TIRANA	TURKEY ALBANIA

## **Emergency management in large infrastructures (EMILI)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** SEC-2009-4.3-03 Simulation, planning and training tools and methods for management of crises and complex emergencies

### **Coordinator**

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**Organisation:** FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V

Hansastraße  
MÜNCHEN  
GERMANY

### **Project description**

The project EMILI ( Emergency Management in Large Infrastructures ) is a capability project which aims at a new generation of data management and control systems for large Infrastructures (CIs) including appropriate simulation and training capabilities. This new generation of control systems is needed in order to improve the security of large Infrastructures like power grids and telecommunication systems, airports and railway systems, oil and gas pipelines under future technical, economic, organisational, political, and legal conditions. This is especially important in the case of emergencies and crises. Large Infrastructures are cost intensive, large, complex technical systems. They are frequently operated at their limits. Today, they are changing their characteristics rapidly in various respects. These CIs depend on each other and interact with each other in many ways. Even small disturbances may trigger avalanches of failures in the same system and in depending ones. Quick and adequate reactions are key factors in safe and efficient operations of Critical Infrastructures today. Currently used data management and control systems of large Infrastructures mainly collect data from their own system and process them in a more or less pre-defined way. In order to adapt today's control systems to the new challenges - especially to an efficient management of emergencies - we need a new generation of these control systems, their methodology and technology.

### **Project details**

**Project Acronym:** EMILI

**Project Reference:** 242438

**Start Date:** 2010-01-01

**Duration:** 36 months

**Project Cost:** 4 million euro

**Contract Type:** Collaborative project (generic)

**End Date:** 2012-12-31

**Project Status:** Execution

**Project Funding:** 3.14 million euro

**Participants**

ASIT AG	SWITZERLAND
APLICACIONES EN INFORMATICA AVANZADA SA	SPAIN
SKYTEC AG CONSULTING IN INFORMATION TECHNOLOGIES	GERMANY
STICHTING CENTRUM VOOR WISKUNDE EN INFORMATICA	NETHERLANDS
INSTITUT MIHAJLO PUPIN	SERBIA
LUDWIG-MAXIMILIANS-UNIVERSITAET MUENCHEN	GERMANY

**Wireless sensor networks and remote sensing - foundation of a modern agricultural infrastructure in the region (AGROSENSE)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** REGPOT-2007-3-01 All thematic priorities' domains of the FP7

**Coordinator**

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**Organisation:** UNIVERZITET U NOVOM SADU FAKULTET TEHNICKIH NAUKA

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NOVI SAD  
SERBIA

**Project description**

Current trends in agricultural production are based on advanced technologies, including the extensive application of information technologies. In particular, the usage of wireless sensor networks (WSN) and remote sensing (RS) ensure timely in-field access to data and enable prompt reactions. Measures can be administered with more precision and effectiveness, thus providing higher food quality, environmental protection and considerable savings. In addition, a better understanding of underlying processes, and validation and adjustments of the used models can be achieved. Agriculture is one of the principal business affairs in WBC region.

This especially holds for the Province of Vojvodina, a regional leader in which agriculture represents 40% of GDP. However, the use of IT support is missing, and its introduction in the regional agricultural infrastructure is of the highest importance. Networking and exchange of know-how within this project will lead to the reinforcement of the research potential and provide a substantial support for further development of modern agriculture in the region. Coordinating institution for the project is the Centre for Measurement Technologies in Precision Agriculture (MeTeP@), founded at the University of Novi Sad, the leading academic institution in Vojvodina.

**Project details**

**Project Acronym:** AGROSENSE

**Project Reference:** 204472

**Start Date:** 2008-05-01

**Duration:** 36 months

**Project Cost:** 1.1 million euro

**Contract Type:** Support actions

**End Date:** 2011-04-30

**Project Status:** Execution

**Project Funding:** 975893.00 euro

**Participants**

INSTITUT MIHAJLO PUPIN

SERBIA

UNIVERSITA DEGLI STUDI DI FIRENZE

ITALY

INSTITUT JOZEF STEFAN

SLOVENIA

PROVINCIAL SECRETARIAT OF AGRICULTURE, WATER ECONOMY  
AND FORESTRY, VOJVODINA

SERBIA

FACULTY OF AGRICULTURE NOVI SAD

SERBIA

## **Impact of Specific Antibiotic Therapies on the prevalence of hUman host ResistaNt bacteria (SATURN)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** HEALTH-2009-2.3.1-2 Impact of specific antibiotic therapies on the prevalence of resistant bacteria in the human host

### **Coordinator**

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**Organisation:** UNIVERSITE DE GENEVE

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SWITZERLAND

### **Project description**

Many results drawn from previous studies of the effect of antibiotic use on emergence, selection and spread of antimicrobial resistance (AMR) have lacked a holistic view combining all aspects into one study. The SATURN project aims to study the impact of antibiotic exposure on AMR with a multidisciplinary approach that bridges molecular, epidemiological, clinical and pharmacological research.

Two types of clinical studies will be conducted: First, a randomized trial will be performed to resolve an issue of high controversy (antibiotic cycling vs. mixing). Second, 3 observational studies will be conducted to rigorously study issues surrounding the effect of antibiotic use on AMR that are not easily assessable through randomized trials. These clinical studies will serve as a platform to 2 complementary workpackages (microbiology & pharmacology) that will perform important investigations relevant to this call.

The work package focusing on molecular studies will generate new evidence about the changes effected by antibiotic therapy on commensal organisms or opportunistic pathogens in the oropharyngeal, nasal and gastro-intestinal flora and study AMR mechanisms and the dissemination of successful clones of fluoroquinolone-resistant, carbapenem-resistant or extended-spectrum beta-lactamase harboring Gram-negative bacteria, MRSA and fluoroquinolone-resistant viridans streptococci.

The purpose of the pharmacodynamic study is to model the relationships between antibiotic exposure and AMR emergence over time for various classes of agents. In summary, the overarching rationale of SATURN is to improve methodological standards and conduct research that will help to better understand the impact of antibiotic use on acquisition, selection and transmission of AMR in different environments, by combining analyses of molecular, individual patient-level and ecologic data. The anticipated results may guide clinical and policy decisions to ultimately reduce the burden of AMR in Europe.

**Project details****Project Acronym:** SATURN**Project Reference:** 241796**Start Date:** 2010-01-01**Duration:** 60 months**Project Cost:** 7.82 million euro**Contract Type:** Small or medium-scale focused research project**End Date:** 2014-12-31**Project Status:** Accepted**Project Funding:** 6 million euro**Participants**

CLINICAL CENTER OF SERBIA	SERBIA
JULIUS-MAXIMILIANS UNIVERSITAET WUERZBURG	GERMANY
INSTITUTE FOR INFECTIOUS DISEASES PROF DR. MATEI BALS	ROMANIA
FONDATION HOPITAL SAINT JOSEPH	FRANCE
STICHTING NIJMEEGS INTERCONFESSIONEEL ZIEKENHUIS CANISIUS WILHELMINA	NETHERLANDS
ARTTIC	FRANCE
UNIVERSITAIR MEDISCH CENTRUM UTRECHT	NETHERLANDS
CONSORCI <i>INSTITUT</i> D'INVESTIGACIONS BIOMEDIQUES AUGUST PI I SUNYER	SPAIN
THE FOUNDATION FOR MEDICAL RESEARCHINFRASTRUCTURAL DEVELOPMENT AND HEALTH SERVICES NEXT TO THE MEDICAL CENTER TEL AVIV	ISRAEL
UNIVERSITA CATTOLICA DEL SACRO CUORE	ITALY
UNIVERSYTET MEDYCZNY W LODZI.	POLAND
UNIVERSITEIT ANTWERPEN	BELGIUM

## **Large area fabrication of 3D negative index metamaterials by Nanoimprint Lithography (NIM NIL)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** NMP-2008-2.2-2 Nanostructured meta-materials

### **Coordinator**

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**Organisation:**PROFACTOR GMBH

IM STADTGUT  
STEYR-GLEINK  
AUSTRIA

### **Project description**

Three-dimensional large area metamaterials, especially Negative Index Materials (NIMs) promise to enable numerous novel and breakthrough applications like perfect lenses and cloaking devices, not only but especially if they exhibit the desired properties in the visible frequency range. For the European Photonics industry it is of paramount importance enabling fabricating such materials as soon as possible, to maintain its important position in the areas of optical components and systems as well as production technologies.

Till now such materials have not been produced, yet - neither in 3D nor on large areas, let alone both combined. The aim of NIM\_NIL is the development of a production process for 3D NIMs in the visible regime combining UV-based Nanoimprint Lithography (UV-NIL) on wafer scale using the new material graphene and innovative geometrical designs. This project will go beyond state-of-the-art in three important topics regarding NIMs: the design, the fabrication using Nanoimprintlithography (NIL) and the optical characterization by ellipsometry. New designs and the new material Graphene will be investigated to extend the existing frequency limit of 900 nm into the visible regime. The fabrication method of choice is UV-NIL since it allows cost efficient large area nanostructuring, which is indispensable if materials like NIMs should be produced on large scale.

The negative refraction will be measured using ellipsometry which is a fast and non-destructive method to control the fabrication process. At the end of the project a micro-optical prism made from NIM will be fabricated to directly verify and demonstrate the negative refractive index. Each aspect of innovation within NIM\_NIL design, fabrication and characterization of NIMs is represented by experts in this field resulting in a multidisciplinary highly motivated consortium containing participants from basic research as well as industrial endusers from whole Europe.

### **Project details**

**Project Acronym:** NIM\_NIL

**Project Reference:** 228637

**Start Date:** 2009-09-01

**Duration:** 36 months

**Project Cost:** 4.52 million euro

**Contract Type:** Small or medium-scale focused research project

**End Date:** 2012-08-31

**Project Status:** Execution

**Project Funding:** 3.37 million euro

**Participants**

SENTECH INSTRUMENTS GMBH	GERMANY
GESELLSCHAFT ZUR FOERDERUNG DER ANALYTISCHEN WISSENSCHAFTEN E.V	GERMANY
<i>INSTITUT</i> ZA FIZIKU	SERBIA
JENOPTIK POLYMER SYSTEMS GMBH	GERMANY
FRIEDRICH-SCHILLER-UNIVERSITAET JENA	GERMANY
MICRO RESIST TECHNOLOGY GESELLSCHAFT FUER CHEMISCHE MATERIALIEN SPEZIELLER PHOTORESISTSYSTEME MBH	GERMANY
CONSIGLIO NAZIONALE DELLE RICERCHE	ITALY
FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	GREECE
UNIVERSITAET LINZ	AUSTRIA

## **European network on noise and health (ENNAH)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ENV.2008.1.2.1.3. European research network on noise and health

### **Coordinator**

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**Organisation:** QUEEN MARY AND WESTFIELD COLLEGE, UNIVERSITY OF LONDON

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UNITED KINGDOM

### **Project description**

This proposal puts forward plans to establish a research network of experts on noise and health in Europe. This network will establish future research directions and policy needs in Europe. The network will review the existing literature on environmental noise exposure and health focussing on the consolidation of existing state of the art knowledge and the identification of gaps in the evidence and future research needs and hypotheses to be tested. In the network we will train junior researchers in noise and health through setting up an exchange network across Europe.

The network will focus on noise exposure assessment in health studies in order to build more complex analytical models of noise and health effects that take into account moderating factors including the joint effects of air pollution and noise. A specific function of the network will be to establish communication between researchers on noise and researchers on air pollution.

We will improve the measurement of health outcomes relevant to noise research and strengthen the available methodologies for future research, by extending analyses on existing research taking advantage of the large EU-funded RANCH and HYENA studies and relevant national studies.

We will develop novel designs for research on noise and health to provide to the EU a new strategy for the development of noise and health research in the future.

We will disseminate the results to the EU, to national governments, to fellow researchers, and other stakeholders.

### **Project details**

**Project Acronym:** ENNAH

**Project Reference:** 226442

**Start Date:** 2009-09-01

**Duration:** 24 months

**Project Cost:** 1.14 million euro  
**Contract Type:** Coordination (or networking) actions  
**End Date:** 2011-08-31  
**Project Status:** Execution  
**Project Funding:** 993852.00 euro

### Participants

AGENZIA REGIONALE PER LA PROTEZIONE AMBIENTALE DEL PIEMONTE	ITALY
BERRY ENVIRONMENTAL LTD	UNITED KINGDOM
UNIVERZITA KOMENSKEHO V BRATISLAVE	SLOVAKIA
MEMOLIX	ITALY
AGENZIA REGIONALE PER LA PROTEZIONE AMBIENTALE DELLA TOSCANA (ARPAT)	ITALY
FACULTY OF MEDICINE, UNIVERSITY OF BELGRADE	SERBIA
AZIENDA SANITARIA LOCALE ROMA	ITALY
TRANSPORTKONOMISK INSTITUTT	NORWAY
CENTRE FOR MUSCULOSKELETAL RESEARCH - UNIVERSITY OF GÄVLE	SWEDEN
RIJKSINSTITUUT VOOR VOLKSGEZONDHEID EN MILIEU PART OF THE DUTCH STATE	NETHERLANDS
<i>INSTITUT</i> ZA VAROVANJE ZDRAVJA REPUBLIKE SLOVENIJE	SLOVENIA
HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT GMBH	GERMANY
INSTYTUT MEDYCYNY PRACY NOFERA	POLAND
<i>INSTITUT</i> NATIONAL DE RECHERCHE SUR LES TRANSPORTS ET LEUR SECURITE	FRANCE
SCHWEIZERISCHES TROPENINSTITUT	SWITZERLAND
UMWELTBUNDESAMT	GERMANY
DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	GERMANY
UNIVERSITAET STUTTGART	GERMANY
UNIWERSYTET IM. ADAMA MICKIEWICZA W POZNANIU	POLAND
NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	GREECE
FORSCHUNGSGESELLSCHAFT FUR ARBEITSPHYSIOLOGIE UND ARBEITSSCHUTZ E.V.	GERMANY
REPUBLICKI ZAVOD ZA ZDRAVSTVENA ZASTITA	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK - TNO	NETHERLANDS
COMMISSION OF THE EUROPEAN COMMUNITIES -	BELGIUM

DIRECTORATE GENERAL JOINT RESEARCH CENTRE -  
JRC

STOCKHOLMS UNIVERSITET

SWEDEN

IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND  
MEDICINE

UNITED KINGDOM

UNIVERSITEIT GENT

BELGIUM

CARDIFF UNIVERSITY

UNITED KINGDOM

KAROLINSKA INSTITUTET

SWEDEN

MEDIZINISCHE UNIVERSITAET INNSBRUCK

AUSTRIA

THE MANCHESTER METROPOLITAN UNIVERSITY

UNITED KINGDOM

TECHNISCHE UNIVERSITAET BERLIN

GERMANY

## **Innovative hydrometallurgical processes to recover metals from WEEE including lamps and batteries (HYDROWEEE)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** SME-1 Research for SMEs

### **Coordinator**

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**Organisation:** AUSTRIAN SOCIETY FOR SYSTEMS ENGINEERING AND AUTOMATION

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AUSTRIA

### **Project description**

The recycling business is traditionally dominated by SMEs. In the last 2-3 years a general trend in the electronics recycling sector to bigger companies is very visible. Multinational, multi-sector companies are buying several smaller recyclers every year. This trend is caused by 2 factors: Many countries transposed the WEEE- and Battery Directives in a way relying heavily on collective systems. Also the big secondary raw material processors are more interested in few big contracts instead of a lot of small contracts as this brings down their administrative costs.

Therefore it is close to impossible to sell materials with a high metal concentration for SMEs at the moment. Therefore the HydroWEEE project deals with the recovery of base and precious metals from WEEE including lamps and spent batteries by hydrometallurgical processes. The idea is to develop a mobile plant using hydrometallurgical processes to extract metals like Copper (Cu), Manganese (Mn), Zinc (Zn), Yttrium (Y), Indium (In), in a high purity (above 95%). By making this plant mobile (in a container) several SMEs can benefit from the same plant at different times and therefore limit the necessary quantities of waste as well as investments.

In addition this new HydroWEEE process will produce pure enough materials that they can be directly used by end-users for electroplating. Because of this 2 levels of intermediaries from today (bigger recyclers and secondary material processors) will be bypassed. This will make the SMEs much more competitive than today and reverse the general trend to bigger companies. The HydroWEEE consortium has 8 partners from 5 countries - 4 EU Member States (Austria/Romania, Italy and Malta) and a Western Balkan Country (Serbia).

### **Project details**

**Project Acronym:** HYDROWEEE

**Project Reference:** 231962

**Start Date:** 2009-03-01

**Duration:** 30 months  
**Project Cost:** 1.12 million euro  
**Contract Type:** Research for SMEs  
**End Date:** 2011-08-31  
**Project Status:** Execution  
**Project Funding:** 825000.00 euro

**Participants**

UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	ITALY
COMPANY FOR MANAGEMENT AND ECOLOGICAL RESEARCHES SE TRADE DOO BELGRADE	SERBIA
RELIGHT SRL	ITALY
ECO RECYCLING S.R.L.	ITALY
GREENTRONICS	ROMANIA
<i>INSTITUT</i> MIHAJLO PUPIN	SERBIA

## **Higher education leading to engineering and scientific careers (HELENA)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** SiS-2008-2.1.2.1 Influence of the perception of science on study choice

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**Organisation:** SIAULIU UNIVERSITETAS

Vilniaus  
SIAULIAI  
LITHUANIA

### **Project description**

Women participation in engineering occupations appears as a key-issue for European economical and technical development, as well as a central achievement towards gender equality and social justice. Many studies have identified gender-mainstreaming measures in engineering education; for example, the WOMENG project (HPSE-CT-2002-00109) has recently highlighted key-moments for action and recommendations. Yet, other studies have confirmed that successfully implementing such measures requires in each case a tailor-made overall approach to take into account the specific cultural and economical context in which they must be implemented.

The aim of this project is to provide indications about how to launch such measures and monitor the obtained results. The study will be grounded on empirical research about the implementation of selected gender mainstreaming measures in various pilot institutions of engineering education and research all over Europe, including institutions for continuing education and distance learning. After analysing the existing situation, each institution will choose the measures that seem the most realistic and appropriate to its particular case, while implemented measures will have to privilege a global approach from engineering education institutions. They will be intended at the same time for students, faculty and staff and consider transitions from secondary education to higher education and from higher education to academic and industrial professional spheres.

### **Project details**

**Project Acronym:** HELENA

**Project Reference:** 230376

**Start Date:** 2009-04-01

**Duration:** 30 months

**Project Cost:** 1.21 million euro

**Contract Type:** Collaborative project (generic)

**End Date:** 2011-09-30

**Project Status:** Execution

**Project Funding:** 930433.00 euro

**Participants**

EGALITE DES CHANCES DANS LES ETUDES ET LA PROFESSION D'INGENIEUR EN EUROPE ASSOCIACION	FRANCE
<i>INSTITUT</i> MIHAJLO PUPIN	SERBIA
LOUGHBOROUGH UNIVERSITY	UNITED KINGDOM
UNIVERSITAET KLAGENFURT	AUSTRIA
FUNDACION LABEIN	SPAIN
ECOLE NORMALE SUPERIEURE DE CACHAN	FRANCE

## **NanoTools for ultra fast DNA sequencing (NANODNASEQUENCING)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** NMP-2007-1.1-1 Nano-scale mechanisms of bio/non-bio interactions

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**Organisation:** *INSTITUT ZA FIZIKU*

Pregrevica  
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SERBIA

### **Project description**

The demand for a next-generation of technologies for DNA sequencing that will provide fast and affordable DNA decoding is pressing. Present bio-chemical schemes are time consuming and expensive, thus cheap and fast alternatives for DNA reading are of great need. This is now internationally recognized. For example, the US NIH recently awarded 40M\$ in grants overpiloting projects to spur development of these innovative technologies.

The goal of this project is to investigate a novel single-molecule DNA sequencing nanotechnology protocol (gene sequencer) that has potential to sequence a molecule of genomic dimensions in hours without expensive and fault sensitive DNA copying steps and chemical reactions. The gene sequencer is based on the electrical characterization of individual nucleobases, while DNA passes through a nanopore with integrated nanotube side-electrodes. The research proposed here will provide a unique combination of state of the art capabilities for cutting and usage of single wall carbon nanotubes as electrodes forming a lithographically fabricated nanogap with single-nanometer precision. In addition, the synergy of consortium resources for electrical characterization and leading theoretical skills for nanotransport will provide new solutions and information for an answer on the proof-of-principle question: is it possible to detect different types of DNA bases by their electrical properties?

The overall objective of our collaborative research is to develop cheap and high-speed DNA sequencing technology. This will be achieved through the following steps:

- Fabrication of single wall carbon nanotube junction-gate for molecular recognition;
- Exploring the interaction and conduction mechanisms between DNA and nanotube-electrode and DNA-nanopore;
- Electrical characterization of the DNA nucleobases;
- Development of model nano-electronic device for single-base DNA electrical characterization and decoding.

### **Project details**

**Project Acronym:** NANODNASEQUENCING

**Project Reference:** 214840

**Start Date:** 2008-12-01

**Duration:** 36 months

**Project Cost:** 2.84 million euro

**Contract Type:** Small or medium-scale focused research project

**End Date:** 2011-11-30

**Project Status:** Execution

**Project Funding:** 2.17 million euro

**Participants**

NUWAVE SYSTEM LTD

UNITED  
KINGDOM

THE PROVOST FELLOWS & SCHOLARS OF THE COLLEGE OF THE  
HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR  
DUBLIN (HEREINAFTER

IRELAND

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

SWITZERLAND

UNIVERSITAET REGENSBURG

GERMANY

THE HEBREW UNIVERSITY OF JERUSALEM.

ISRAEL

## **Promoting ICT cooperation opportunities and policy dialogue with the Western Balkan countries (ICT-WEB-PROMS)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ICT-2007.9.2 International cooperation (ICT-2007.9.2)

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**Organisation:**EBA - EUROPEAN BUSINESS ASSOCIATES SRL

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ITALY

### **Project description**

ICT-WEB-PROMS aims at increasing capacity of stakeholders in the Western Balkan countries (WBC) to fully participate in European ICT research and in the European Research Area.

This will be done by creating and supporting strategic partnerships between stakeholders in the EU and the WBC while providing access to relevant knowledge. By encouraging participation of West Balkan stakeholders in European ICT research, they will gain access to ICT technologies already developed in the EU, and European stakeholders will be able to introduce their technologies into the West Balkan market, thus also strengthening EU competitiveness.

Workshops and road shows will be organized in the whole area of the WBC, also outside the big cities, an interactive web portal in several languages provided, and a network of stakeholders created all over the WBC and the EU, building on existing networks. Focus will be on direct support to stakeholders, creating understanding not only for procedural issues, but also for the technology of the ICT FP7 programme emphasising areas of mutual interest. Feedback will be provided for the implementation of ICT and information society strategies in the WBC and for considering the needs of the WBC in ICT research of the EU. Activities are defined in order to achieve maximum impact, to work efficiently towards achieving the goals, and to build on previous and on-going support actions as much as possible.

The partnership includes universities and research centres in all Western Balkan countries. These have been chosen in view of their capacity with respect to understanding of technology and their ability to best promote the ICT programme and networking with the EU. All are ICT experts in their countries, are well respected and have contributed to developing national ICT strategies. Partners are committed to sustain activities in continuing the operation of the web portal and working with stakeholders after the end of the project.

### **Project details**

**Project Acronym:** ICT-WEB-PROMS

**Project Reference:** 231549  
**Start Date:** 2009-01-01  
**Duration:** 24 months  
**Project Cost:** 702011.00 euro  
**Contract Type:** Coordination and support actions  
**End Date:** 2010-12-31  
**Project Status:** Execution  
**Project Funding:** 480000.00 euro

**Participants**

Fatultet informacijskih tehnologija	BOSNIA AND HERZEGOVINA
CACTUS SHA	SERBIA
JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA	MONTENEGRO
URSIT OOD	BULGARIA
UNIVERSITY SS CYRIL AND METHODIUS	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
UNIVERSITETI POLITEKNIK I TIRANES	ALBANIA
<i>INSTITUT</i> MIHAJLO PUPIN	SERBIA
UNIVERZITET U BANJOJ LUCI ELEKTROTEHNICKI FAKULTET	BOSNIA AND HERZEGOVINA
KENTRO EREVNON NOTIOANATOLIKIS EVROPIS ASTIKI MI KerdoskopiKI ETAIREIA	GREECE

## **Responsive flexible collaborating ambient (REFLECT)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ICT-2007.8.2 Pervasive adaptation

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**Organisation:** FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V

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GERMANY

### **Project description**

We are currently standing on the brink of a new era of computing systems: Moving on from desktop computers, computing intelligence will be woven into the "fabric of everyday life", seamlessly and near-invisibly pervading our environment, sensing our presence, mood, and intentions, thus delivering services adapted to ourselves and our context of use.

The REFLECT project aims at developing new concepts and means for such "pervasive-adaptive systems". To begin with, REFLECT researches ways of sensing users and their mood and intentions. Different aspects are taken into account: emotional state (e.g. annoyance), cognitive engagement (e.g. high mental workload) and physical conditions and actions (e.g. temperature and movement). All these together with human behavioural patterns form the personal awareness of the system. Additionally, information about the surroundings is gathered and used to establish environmental awareness.

Augmenting these results, REFLECT investigates ways of realizing pervasive-adaptive environments. A software framework with a set of practical tools is developed which can be used for building pervasive, adaptable, self-organized systems that seamlessly collaborate with users and control their environments.

The resulting REFLECT system will be able to derive, suggest and perform actions to optimise user comfort and performance, assisting people in their specific activities (for example, in driving a vehicle). To illustrate the pragmatic orientation and results, the REFLECT project includes a number of case studies and a prototype from the automotive domain that shows how such systems can be deployed in practice.

### **Project details**

**Project Acronym:** REFLECT

**Project Reference:** 215893

**Start Date:** 2008-01-01

**Duration:** 36 months  
**Project Cost:** 4 million euro  
**Contract Type:** Collaborative project (generic)  
**End Date:** 2010-12-31  
**Project Status:** Execution  
**Project Funding:** 2.6 million euro

**Participants**

<i>INSTITUT</i> MIHAJLO PUPIN	SERBIA
FERRARI SOCIETA PER AZIONI ESERCIZIO FABBRICHE AUTOMOBILI E CORSE O SEMPLICEMENTE: FERRARI S.P.A.	ITALY
LIVERPOOL JOHN MOORES UNIVERSITY HIGHER EDUCATION CORPORATION	UNITED KINGDOM
LUDWIG-MAXIMILIANS-UNIVERSITAET MUENCHEN	GERMANY
UNIVERSITA DEGLI STUDI DI PAVIA	ITALY
PHILIPS ELECTRONICS NEDERLAND B.V.	NETHERLANDS
RIJKSUNIVERSITEIT GRONINGEN	NETHERLANDS

## **Development of Serbian network of mobility centres (SER-MORE)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** PEOPLE Marie-Curie Actions

### **Coordinator**

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**Organisation:** MASINSKI FAKULTET - UNIVERZITETA U NISU

ALEKSANDRA MEDVEDEVA

NIS

SERBIA

### **Project description**

This project aims at streamlining and institutionalization of existing efforts in development of infrastructure for encouraging and facilitating the mobility of researchers in Serbia Serbian mobility network. The proposal results from the experience that the proposal coordinator gained by taking part in the FP6 SSA project WEB-MOB Development of researchers mobility policy guidelines for the region of Western Balkans, in the period of 2005-2007.

Main project objectives are:

- a) to establish structured network of service and information providers, enabling practical assistance to researchers in all issues related to their experience of mobility;
- b) to develop organizational framework, comprised of organizational structure, communication strategies, data requirements and procedures for providing of best performance in information and services delivery; and
- c) to promote ERA-MORE values through the awareness campaign, including promotional events, dissemination of printed material with valuable information and delivery of information and services through the national researchers mobility portal, linked to pan-European Mobility Portal.

### **Project details**

**Project Acronym:** SER-MORE

**Project Reference:** 225076

**Start Date:** 2008-09-01

**Duration:** 36 months

**Project Cost:** 218347.00 euro

**Contract Type:** Support actions

**End Date:** 2011-08-31

**Project Status:** Execution

**Project Funding:** 200000.00 euro

### **Participants**

UNIVERZITET U NOVOM SADU	SERBIA
UNIVERZITET U KRAGUJEVCU	SERBIA
FAKULTET INFORMACIONIH TEHNOLOGIJA	SERBIA
MINISTARSTVO ZA NAUKU I TEHNOLOSKI RAZVOJ	SERBIA
UNIVERZITET U BEOGRADU	SERBIA
UNIVERZITET U NISU	SERBIA

## **Power plants Robustification based On fault Detection and Isolation algorithms (PRODI)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ICT-2007.3.7 Network embedded and control systems

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**Organisation:** ELEKTROTEHNICKI *FAKULTET* UNIVERZITET U BEOGRADU

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11020 BEOGRAD  
SERBIA

### **Project description**

#### **Project details**

**Project Acronym:** PRODI

**Project Reference:** 224233

**Start Date:** 2008-04-01

**Duration:** 36 months

**Project Cost:** 2.03 million euro

**Contract Type:** Collaborative project (generic)

**End Date:** 2011-03-31

**Project Status:** Execution

**Project Funding:** 1.6 million euro

#### **Participants**

BOSIO PROIZVODNO-TRGOVSKO PODJETJE D.O.O.	SLOVENIA
VICTORIAOIL AD	SERBIA
UNIVERZITET U NOVOM SADU <i>FAKULTET</i> TEHNICKIH NAUKA	SERBIA
UNIVERSITA DEGLI STUDI DI CAGLIARI	ITALY
UNIVERSIDAD POLITECNICA DE VALENCIA	SPAIN

## **Embodied cognition in a compliantly engineered robot (ECCEROBOT)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** ICT-2007.2.2 Cognitive systems, interaction, robotics (ICT-2007.2.2)

### **Coordinator**

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**Organisation:** UNIVERSITY OF ESSEX  
RESEARCH AND ENTERPRISE OFFICE  
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UNITED KINGDOM

### **Project description**

Standard humanoid robots mimic the human form, but the mechanisms used in such robots are very different from those in humans, and the characteristics of the robots reflect this. This places severe limitations on the kinds of interactions such robots can engage in, on the knowledge they can acquire of their environment, and therefore on the nature of their cognitive engagement with the environment.

However, a new kind of robot is just beginning to emerge - the anthropomimetic robot. Instead of just copying the outward form of a human, it copies the inner structures and mechanisms - bones, joints, muscles, and tendons, and thus has the potential for human-like action and interaction in the world. Unfortunately, there are as yet no established methods for controlling such robots, nor even for describing their intrinsic movement patterns. This project has three goals: to design and build a robot using anthropomimetic principles; to characterise its dynamics and control it; and to exploit its human-like characteristics to produce some human-like cognitive features.

The consortium already has access to an excellent anthropomimetic torso design; this will be further developed to include significant engineering refinements, and will be mounted on a powered mobile chassis to permit mobile manipulation. Advanced techniques of motion capture and causal analysis will characterise the robot's intrinsic dynamics. Three major approaches to control will then be assessed: classical control theory, the use of physics based internal models, and sensory-motor strategies. These will be combined in a single architecture to cope with different types of tasks, and the consortium will then focus on the use the robot can make of its human-like interaction with the world to begin to cognise the world in a human-like way. Finally, the performance of the robot will be evaluated, both absolutely, and in comparison with the relevant outputs from the EU RobotCub project.

### **Project details**

**Project Acronym:** ECCEROBOT

**Project Reference:** 231864

**Start Date:** 2009-01-01

**Duration:** 36 months

**Project Cost:** 3 million euro

**Contract Type:** Collaborative project (generic)

**End Date:** 2011-12-31

**Project Status:** Execution

**Project Funding:** 2.33 million euro

**Participants**

THE ROBOT STUDIO

FRANCE

TECHNISCHE UNIVERSITAET MUENCHEN

GERMANY

UNIVERSITAET ZUERICH

SWITZERLAND

ELEKTROTEHNICKI *FAKULTET* UNIVERZITET U BEOGRADU SERBIA

**Multi-gigabit european research and education network and associated services (GN3)**  
**(GN3)**

Funded under 7th FWP (Seventh Framework Programme)

**Coordinator**

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**Organisation:** DELIVERY OF ADVANCED NETWORK TECHNOLOGY TO EUROPE LIMITED

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OX4 2HN OXFORD  
UNITED KINGDOM

**Project description**

The objective of this proposal is the creation of a leading edge network supporting a much enhanced range of both network and added value services targeted at end-users across the GEANT service area. A principal goal will be to create a portfolio of seamless multi-domain services. In contrast to its predecessor, GN2, much more emphasis is placed on service development and service introduction.

Initiatives are planned in the areas of multi-domain network service operation, where it is planned to organise quick and efficient provisioning of advanced services, develop operational support crossing management domains and security to ensure service integrity and protection of network resources. This will be complemented by the development of end-user services in a federated environment which will focus on the creation of generic "meta-services", particularly in the context of security as well as further developments in the area of Roaming Services.

Individual Tasks within the Joint Research Activities (JRAs) will be of shorter duration and more targeted than in GN2. The initial JRAs will deal with a critical analysis of future networking technologies as well as research into new services both from the point of supporting the development of new services as well as researching into enhancements to the emerging service portfolio (monitoring, mobility and resources management).

These will be supported by Networking Activities (NAs) dealing with both internal and external project communications. A particular emphasis of the NAs will be to support and encourage the take up of services among end-users by working closely with NRENs. The need to develop this theme co-operatively with other world regions is recognised by the inclusion of an activity specifically targeted to achieve this. A committee of the NREN proposers (NREN Policy Committee) deals with overall policy and a Project Board (Executive Committee in GN2) oversees its implementation.

**Project details**

**Project Acronym:** GN3

**Project Reference:** 238875  
**Start Date:** 2009-04-01  
**Duration:** 48 months  
**Project Cost:** 182.18 million euro  
**Contract Type:** CPCS  
**End Date:** 2013-03-31  
**Project Status:** Execution  
**Project Funding:** 93 million euro

### Participants

AGENTIA DE ADMINISTRARE A RETELEI NATIONALE DE INFORMATICA PENTRU EDUCATIE SI CERCETARE	ROMANIA
ZDRUZENIE POUZIVATELOV SLOVENSKEJAKADEMICKEJ DATOVEJ SIETE-SANET	SLOVAKIA
ARNES	SLOVENIA
TUBITAK ULUSAL AKADEMIK AG VE BILGI MERKEZI	TURKEY
JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA	MONTENEGRO
HRVATSKA AKADEMSKA I ISTRAZIVACKA MREZA - CARNET	CROATIA
FONDATION RESTENA	LUXEMBOURG
ENTIDAD PUBLICA EMPRESARIAL RED.ES	SPAIN
KAUNO TECHNOLOGIJOS UNIVERSITETAS	LITHUANIA
CONSORTIUM GARR (GESTIONE AMPLIAMENTO RETE RICERCA)	ITALY
UNIVERZITET U BEOGRADU	SERBIA
SS. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
ESTONIAN EDUCATIONAL AND RESEARCH NETWORK	ESTONIA
KYPRIAKO EREVNITIKO KAI AKADIMAIKO DIKTYO	CYPRUS
BELNET	BELGIUM
UNIVERSITAET WIEN	AUSTRIA
LATVIJAS UNIVERSITATES MATEMATIKAS UN INFORMATIKAS INSTITUTS	LATVIA
HEANET LTD	IRELAND
THE JNT ASSOCIATION	UNITED KINGDOM
NORDUNET A/S	DENMARK
UNIVERSITA TA MALTA	MALTA
INTER UNIVERSITY COMPUTATION CENTRE	ISRAEL
BULGARIAN RESEARCH AND EDUCATION NETWORK	BULGARIA
SWITCH -TELEINFORMATIKDIENSTE FUER LEHRE UND FORSCHUNG	SWITZERLAND
GREEK RESEARCH AND TECHNOLOGY NETWORK S.A.	GREECE
VEREIN ZUR FOERDERUNG EINES DEUTSCHEN FORSCHUNGSNETZES DFN VEREIN E.V.	GERMANY

NEMZETI INFORMACIOS INFRASTRUKTURA  
FEJLESZTESI IRODA

HUNGARY

CESNET, ZAJMOVE SDRUZENI PRAVNICKYCH OSOB  
INSTYTUT CHEMII BIOORGANICZNEJ PAN

CZECH REPUBLIC  
POLAND

GROUPEMENT D'INTERET PUBLIC RESEAU NATIONAL  
DE TELECOMMUNICATIONS POUR LA TECHNOLOGIE,  
L'ENSEIGNEMENT ET LA RECHERCHE

FRANCE

SURFNET BV

NETHERLANDS

FUNDACAO PARA A COMPUTACAO CIENTIFICA  
NACIONAL - FCCN

PORTUGAL

TRANS-EUROPEAN RESEARCH AND EDUCATION  
NETWORKING ASSOCIATION

NETHERLANDS

## **Reinforcement of regional microsystems and nanosystems centre (REGMINA)**

Funded under 7th FWP (Seventh Framework Programme)

**Research area:** REGPOT-2007-1-01 All thematic priorities' domains of the FP7

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**Organisation:** INSTITUTE OF CHEMISTRY, TECHNOLOGY AND METALLURGY

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### **Project description**

The Centre of Microelectronic Technologies and Single Crystals, a department within the Belgrade-based Institute of Chemistry, technology and Metallurgy, is the only Serbian institution fully dedicated to research in the fields of microsystems and nanosystems. It is oriented to applied research of different solid-state sensors and detectors, microelectromechanical (MEMS) and microoptoelectromechanical (MOEMS) structures and nanostructures for a wide range of practical applications, including industry, environmental protection, health protection, etc.

The Centre covers all stages of a research cycle, starting from the fundamental theory, proceeding with simulation, micro- or nanofabrication and characterization and ending with a finished device. Our vision is to boost the Centre into a regional centre of excellence in sensor micro- and nanosystems, enabling it to fully integrate into the EU research, at the same time ensuring a sustainable growth of its research resources and wider coverage of topics. To this purpose a reinforcement of labs is necessary, continual improvement of knowledge base and skills through training and increased mobility of research personnel, networking and joint research with EU teams, but also enhancement of the Centre's visibility through knowledge dissemination to both experts and the general public.

The Centre already possesses a number of advanced technologies and a large expertise and know-how in numerous fields of semiconductor science, planar technology including photolithography, chemical engineering, thin film technologies, micromachining and other procedures specific for microsystem and nanosystem technologies. In this moment the teams of the Centre are engaged in a number of modern topics, including microcantilever-based nanosensors, cavity-enhanced optical detectors and novel sensors utilizing photonic bandgap materials and electromagnetic metamaterials.

### **Project details**

**Project Acronym:** REGMINA

**Project Reference:** 205533

**Start Date:** 2008-05-01

**Duration:** 36 months

**Project Cost:** 897192.00 euro

**Contract Type:** Support actions

**End Date:** 2011-04-30

**Project Status:** Execution

**Project Funding:** 799996.00 euro

## **Participants**