

## OP 3.1.4

### Cooperation with EU Projects

**CENTRAL EUROPE Programme 2007 – 2013**

**PRIORITY 1: Facilitating innovation across Central Europe**

#### Document Classification

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<b>Summary</b>	Identify past and current EU-Projects dealing with innovation transfer in the medical sector, contact relevant project partners and match this know-how to IntraMED-C2C. Start a continuous cooperation with relevant groups.

## ***LP: Bayern Innovativ GmbH/ Forum MedTech Pharma e.V.***

**Bayern Innovativ GmbH:** Management of **Cluster MedTech** and **Innovation Network Life Science**; former cooperation of Bayern Innovativ GmbH (Network Life Science) within FP6 project **EuroTransBio** as transnational contact point: The overall objective of EurotransBio (ETB) was to provide the European biotech industry with a prolific funding program dedicated to foster cooperation of R&D&I active Small and Medium-sized Enterprises (SMEs) and their academic partners across the European Member States.

The **Central Europe Programme** -> Priority Innovation -> Competitiveness and Innovation Framework Programme CIP (comprising of the Intelligent Energy-Europe Programme, the ICT Policy Support Programme and the Entrepreneurship and Innovation Programme EIP) -> along with the Seventh Framework Programme **FP7** (bundles all the research-driven EU-initiatives under one common roof with the aim of European poles of (scientific) excellence (4 categories Cooperation, Ideas, People, Capacities). Both Framework Programmes and the **Structural Funds** support the EU's Knowledge and Innovation for Growth Strategy.

Other Programmes next to the **CEP**, **FP7** and the **Structural Funds** are the **Alpine Space Programme** (approved Project: ALPS Bio Cluster = Trans Alpine Space Bio Cluster), **South East Europe Programme** and the **Baltic Sea Region Programme**.

The SEE Transnational Cooperation Programme has been created from the former INTERREG IIIB CADSES Programme. In the new Structural Funds Period (2007-2013), the CADSES transnational cooperation area has been divided into two spaces: **South East Europe** and **Central Europe**, each of them benefiting as a distinct area: the **South East Europe Programme** and the **Central Europe Programme**. [http://www.southeast-europe.net/en/about\\_see/participating\\_countries/](http://www.southeast-europe.net/en/about_see/participating_countries/).

The **Baltic Sea Region** (BSR) INTERREG III B Neighbourhood Programme belongs to one of the three different strands of the European Community Initiative INTERREG III. The programme is part-financed from the **European Regional Development Fund** (ERDF) covering the period 2000-2006. Strand B of the INTERREG Initiative supports transnational co-operation to enhance balanced and sustainable development of the European territory. <http://www.spatial.baltic.net/programme.html>

**Central Europe Programme approved Projects** within Priority 1 "Innovation", axis 1.1 "1.1 Enhancing Framework Conditions for Innovation" and 1.2 "Establishing Capabilities for the Diffusion and Application of Innovation", Topic "R&D Technology Transfer and Innovation": **CERIM** (Improved transfer of technologies and knowledge of academic research), **CENTROPE\_TT** (Growing together of different systems of research, technology and innovation), **FREE** (Stimulate TT and knowledge exchange to foster access to scientific knowledge), **CEBBIS** (Improve research results and new TT in the ICT sector to SMEs), **ACCESS** (Facilitate adequate innovation management in participating regions by focusing on horizontal measures concentrating on selected sectors), **IntraMED-C2C** (Develop and provide tools for strengthening access of SMEs to innovation potential in clinics).

7 approved Projects act within the **topic "R&D Technology Transfer and Innovation"** additional to the 6 previously described CEP projects: **PROINCOR** (Proactive Innovation Support for SMEs in the Corridor from the Baltic to the Mediterranean Sea).

Three approved Projects within the CEP, ASP, SEEP and BSRP act additionally under the **topic "Bio"**: IntraMED-C2C, ALPS Bio Cluster and ACCESS.

Bayern Innovativ GmbH contacted the ALPS Bio Cluster and started a **cooperation** with this EU project recently.

### Central Europe Programme approved Projects

- **CERIM:** Central Europe Research to Innovation Models.  
[http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=2](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=2)
- **CENTROPE TT:** Tools for Transnational Innovation Support in Centrope  
[http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=8](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=8)
- **FREE:** From Research to Enterprise [http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=12](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=12)
- **CEBBIS:** Central Europe Branch Based Innovation Support  
[http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=45](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=45)
- **ACCESS:** ACCelerating regional competitiveness and sector-based excellence through innovation management tools and techniques  
[http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=40](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=40)
- **IntraMED-C2C:** Innovation transfer in the medical sector from clinics to companies  
[http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=73](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=73)
- **PROINCOR:** Proactive Innovation Support for SMEs in the Corridor from the Baltic to the Mediterranean Sea [http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=42](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=42)
- **FLAME with participation of LP1 Bavarian Innovative.** Innovation transfer in the material science sector. FLAME is the new project involving 11 Central European regions from 8 European countries for supporting the material sciences actors in exploiting their research and commercial potentials. Materials sciences and engineering (MS&E) are significant innovation drivers within the Central European area and thus crucial for competitiveness and economic growth.  
[http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx\\_fundedprojects\\_pi1\[project\]=65](http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/funded-projects/?tx_fundedprojects_pi1[project]=65)

### Alpine Space Programme approved Project:

- **ALPS Bio Cluster:** The ALPS Bio Cluster will establish a transnational cluster network in the biotech and medtech sector by involving actors from six Alpine regions in research, training and industry, especially small and medium-sized companies, in order to boost joint economic development by reaching a critical mass.  
[http://www.alpine-space.eu/projects/running-projects/?tx\\_txrunningprojects\\_pi1\[uid\]=6&tx\\_txrunningprojects\\_pi1\[view\]=singleView](http://www.alpine-space.eu/projects/running-projects/?tx_txrunningprojects_pi1[uid]=6&tx_txrunningprojects_pi1[view]=singleView)

### Other Projects (past and approved) dealing with innovation transfer in the medical sector:

- **HealthCompetence.eu**, an open, pan-European Research Information System within Health Science in FP6 & FP7.  
<http://healthcompetence.eu/converis/publicweb/area/1353> . This website includes all projects related to life science and health supported by the European Commission

since 2004. It gives visibility to organisations and scientists involved in these projects and, together with interactive search devices, facilitates the identification of potential collaboration partners and the set up of partnerships between academia and industry in health research. HealthCompetence will also progressively give access to the research results in terms of technology offers, patents and publications.

- **Ideklinikken/KASK Innovation:** The objective of the KASK Innovation project is to exploit the potential for innovation of the public health sector in the Kattegat/Skagerak area primarily through user-driven and employee-driven innovation. [http://www.kask-innovation.eu/index.php?menu\\_id=30&content\\_id=66](http://www.kask-innovation.eu/index.php?menu_id=30&content_id=66)
- **HIVAC** aims to develop a preventive HIV vaccine via a novel approach of unmasking the immunosuppressive properties of the HIV envelope by introduction of rationally designed mutations. Virus-like-particles displaying such disarmed envelopes will be used for superior stimulation of the immune system  
<http://www.eurekanetwork.org/project/-/id/5242>
- **I3SME:** I3SME aims at contributing to the micro and SMEs performances enhancement in the research and innovation fields, offering effective services in order to enable them to face the main difficulties in acceding to knowledge and innovation. [http://www.i3sme.eu/index.php?option=com\\_content&view=article&id=54&Itemid=65](http://www.i3sme.eu/index.php?option=com_content&view=article&id=54&Itemid=65)
- **ip4inno** is a project funded by the European Commission as a part of the Sixth Framework Programme for Research and Technological Development. Its main aim is to help small and medium-sized enterprises (SMEs) enhance their understanding and use of intellectual property rights with a view to promoting innovation and competitiveness in line with the European Commission's Lisbon goals.  
<http://www.ip4inno.eu/index.php?id=108>
- European Policies and Instruments to Support Innovation in Services EPISIS: The main objective of the **EPISIS** project is to facilitate transnational cooperation between policy-makers and innovation agencies in the field of services innovation through parallel policy, strategic and operational level activities. <http://www.proinno-europe.eu/episis/page/project-overview>
- Transnational Alliance of Clusters Towards Improved Cooperation Support **TACTICS:** The TACTICS project, coordinated by OSEO (FR), is the new INNO-Net project in the area of cluster policy. It aims at supporting and further expanding the European Cluster Alliance, and contributing to the development of better cluster policies and practical tools in Europe. <http://www.proinno-europe.eu/tactics>
- **Clusters CORD** - Clusters and COoperation for Regional Development in Central Europe funded under INTERREG IV B Central Europe. Clusters CORD is an interregional project, which aims for the improvement of the regional capacity in the management and development of clusters. <http://eu.region-stuttgart.de/en/detail/300921>
- **EUREGIO III:** capacity-building to design, implement and evaluate structural fund investment for efficient health infrastructure <http://www.euregio3.eu/pages/about-us/>
- **SME-Bio-Power** <http://www.smbiopower.eu/> empowers SMEs in biomedical engineering and medical technologies to participate in EU research. SME's can identify possible collaborators/R&D partners outside their home-base region.

Sources:

Approved projects of Central Europe Programme <http://www.central2013.eu/nc/central-projects/implementing-a-project/approved-projects/> ;

Cross Fertilization Workshop Verona 3<sup>rd</sup> December 2009

[http://www.central2013.eu/fileadmin/user\\_upload/Downloads/Events/2009/Annual\\_Event\\_Verona\\_2009/Trevisan\\_presentation\\_verona\\_final\\_Kompatib.pdf](http://www.central2013.eu/fileadmin/user_upload/Downloads/Events/2009/Annual_Event_Verona_2009/Trevisan_presentation_verona_final_Kompatib.pdf) ;

own survey.

## ***PP3: Health-Technology Cluster, Clusterland Upper-Austria***

### **INNOFIRE**

[www.medimap.eu](http://www.medimap.eu)

#### **MediMap mission**

MediMap - the **Medical Technologies Map** of European Regions – is the innovative web platform with which a new kind of business can be created in the sector of medical technology throughout Europe. MediMap shows an online “Technology Map” which provides a graphical presentation of key players in the medical technology sector in European regions together with their profiles and co-operation requests.

#### **MediMap background**

MediMap has been developed in the scope of the Interreg IIIC EU project „INNOFIRE“ as a database web tool. The objective of the INNOFIRE project was to link up the partners/regions involved (10 regions in 8 countries) and to support and to facilitate networking and transregional co-operations of a representative number of players in the sector of medical technology in Europe.

#### **Results**

- MediMap is able to generate results through map-based or text-based searches. The selected results are presented simultaneously both by technology and by region. No tool in Europe to date has succeeded in achieving this level of efficiency

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### **INNOVATION 4 WELFARE**

<http://www.innovation4welfare.eu/>

Across Europe, economic and demographic developments pose new challenges in health related issues: a general tendency to prioritise on health and safety, the strong increase in welfare-related diseases and the increased need for (home) care for the ageing population are causing health care costs to increase rapidly, Innovative solutions are necessary to meet these challenges and to avoid health care becoming unaffordable.

However, the challenges posed by changing health needs are also an opportunity: because of the scope of the public health issue, and the increasing need of products and services in this area, it is an attractive target area for developing innovative new technologies and applications.

In the Interreg IVC project Innovation 4 Welfare six European regions will exchange best practices, develop new innovation projects and influence regional policies by stimulating innovation in the field of health and safety (‘welfare’).

In this way the project addresses EU policy objectives in two areas:

- It increases competitiveness through innovation and transition to a knowledge-based economy.
- It stimulates the creation of new solutions in the field of health related issues.

Project period: 2007 – 2013

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### **Bonita Project**

[www.bonita-project.eu](http://www.bonita-project.eu)

Research cooperation as well as knowledge transfer between public research organisations and industry is insufficiently developed within the European innovation system. To develop the Baltic Sea Region into a high-tech region the available scientific knowledge needs to be successfully transferred into practice.

Project period: October 2008 – April 2012



### **Deutsch-Dänisches Zentrum für Benutzergesteuerte Innovation (User-driven Innovation Centre)**

<http://www.interreg4a.de/wm301495>

Innovations are the engine of business success, they increase competitiveness of companies and are indispensable for secure and enlarge market position.

Keyword „user-driven innovation“, which means that the prospective user will be actively integrated to development of products and services. While big international companies already often have integrated this user-driven-innovations in their company process, especially founder of a new business and SMEs have a huge backlog demand.

Project period: 01.01.2010 – 31.12.2012

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### **ROBIN - ROBOTics: INnovations for healthcare**

<http://www.interreg4a.de/wm301175>

By cross-border cooperation, the project partners would like to facilitate user-oriented innovations in the field of clinical robotics. The demand for healthcare robotics in clinics should be identified and ideas for healthcare robotics should be collected amongst the clinical staff. These ideas will be discussed with relevant companies of the region to develop concepts ready for production.

Project period: 01.04.2010 – 31.05.2012

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### **FREE – From Research to Enterprise**

<http://free.unideb.hu>

In line with the Lisbon strategy and the new objectives of the cohesion policy 2007-2013, the project “From Research to Enterprise” (FREE) intends to contribute to the regional development of Central- Europe through setting up innovation-oriented systems, methodologies and services bridging technical experts, researchers, entrepreneurs and actors in the administrations, policy makers included.

This goal will be pursued by setting up new instruments, actions and skills, facilitating the use of research results by business sector (especially SMEs) as well as to intensify relationships and integration between the sphere of research, innovation promoters and potential users, in a transnational context.

The project will set up a transnational inventory for research bodies by collecting data on research results in the partner regions. Innovation services and technology transfer support systems will be identified. The most suitable cases will be adapted by the partners. Special attention will be given to instruments fitting the needs of SMEs.

Furthermore, a network of “mediators of innovation” will be activated to support the translation of knowledge into innovation. Training modules will be elaborated and trainings will be organized in each region. At last, regional pilot implementation actions will be carried out based on the final results of the project.

Project period: Nov. 2010, 32 months

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### **CEBBIS – Central Europe Branch Based Innovation Support**

[www.cebbis.eu](http://www.cebbis.eu)

CEBBIS is a network of 11 partners from the Central European region with a common interest in trans-regional, branch based, demand-led solutions to improve technology transfer to small and medium enterprises (SMEs). Based on this idea, the network has submitted the project into the [CENTRAL EUROPE Programme](#). The goal of the CEBBIS project is to raise SMEs' competitiveness on the international market by offering industry specific innovation support based on new ICT applications.

CEBBIS aims at removing bottlenecks in the diffusion and application of innovations to ensure a more efficient access to knowledge, transmitted by key players in the program area, by:

- Creating a transnational concept of transfer of research results and new technologies to SMEs
- Active cooperation between the regional partners, intermediaries and SMEs.
- Improvement of framework conditions for effective innovation support to SMEs
- Professionalization and further training of staff from intermediaries

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### **AUTONET - Transnational Network of Leading Automotive Regions in CE**

[www.autonet-central.eu](http://www.autonet-central.eu)

The main task of the association is matchmaking and networking of organizations and subjects to boost development of new innovative solutions by supporting creation of trans-regional innovative cooperation.

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### **KBB - Knowledge transfer for business in border regions**

**Damit Ideen auch umgesetzt werden**

[www.kbb-si-at.eu](http://www.kbb-si-at.eu)

Project target is to transfer innovative technologies from universities to economy and industry.

Project period: 01.07.2009 - 01.07.2012

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### **KASK innovation**

<http://kask-innovation.eu/>

The objective of the project «KASK Innovation» is to exploit the potential for innovation of the public health sector in the Kattegat/Skagerrak region primarily through user-driven and employee-driven innovation. The short term effects of KASK Innovation are related to increases in critical mass which will result in the generation of more user and employee-driven ideas and as well as increases in license agreements, IPR sales and establishment of innovative growth companies. In the long term, KASK Innovation shall contribute to an increased cooperation between public institutions, knowledge institutions and the private sector in the region.

The project intends to increase the productivity and the efficiency as well as increase the contact between the health sector and industry. The results and models evolved during the project will be presented and spread in region as «best practice».

Project period: 01.03.2009-29.02.2012

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### **CCC (Creative City Challenge)**

Building society's and the institutional capacity for innovation

[www.creative-city-challenge.net](http://www.creative-city-challenge.net)

The project 'Creative City Challenge' analyses challenges and barriers confronting the creative sector in the North Sea Region. This project aims to build and implement an innovation and creativity strategy by means of a methodology of pilot projects developed and carried out by, and in, cities across the North Sea Region, hence having a strong transnational basis.

Project period: 1.9.2009- 31.08.2012

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### **ERIP (European Regions for Innovative Productivity)**

<http://www.erip.eu.com/>

The goal is to strengthen the competitiveness of SMEs by an increasing innovation productivity.

Project period: Juni 2008 – Juni 2011

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### **ERIK (European Regions Knowledge based Innovation Network)**

<http://www.eriknetwork.net/>

ERIK is formed by 52 regions.

ERIK's main aim is to sustain and further develop networking and good practice exchange between European regions.

ERIK Network's objectives include:

- benchmarking and disseminating good practices of innovation and knowledge-based policies;
  - supporting inter-regional networking on technological innovation related topics;
  - co-operating with European regional networks with similar objectives to create synergies and make networking activities more efficient and better targeted.
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### **CLIQ Project**

<http://www.cligproject.eu>

CLIQ network will exchange, explore and disseminate best practice in ways to promote innovation and improve competitiveness within the specific context of cities with populations of 50,000-250,000. The long term aim of CLIQ is to optimise the benefits of globalisation and innovation to SMEs and entrepreneurs in medium sized towns.

Our goal is to improve local authorities' innovation policies, to integrate innovation, entrepreneurship and internationalisation processes and to improve regional competitiveness. This will be achieved by developing close links between quadruple helix partners at local level and exchanging models of civil society engagement in innovation.

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### **RAPIDE - REGIONAL ACTION PLANS for INNOVATION DEVELOPMENT AND ENTERPRISE**

<http://www.rapidenetwork.eu/>

RAPIDE is a network of European Regions driven by the Innovation agenda, funded by the INTERREG IVC programme.

The project is focused on supporting the implementation of good practice relating to the role of the public sector in stimulating innovation in partner regions. In particular, the project will help businesses, primarily SMEs, to bring innovative products and services to the market more quickly.

Project period: 01.09.2008 – 31.08.2010

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### **NONO4M - Nanotechnology for Market**

<http://www.nano4m.eu>

nano4m, which involves four regions and twelve partners, aims at improving strategies and building networks to design nanotechnology for market. Objectives:

To improve the regions' capacity to shorten the gap between R&D and market testing new Research-to-Market processes (R2M)

To strengthen the interregional collaboration by identifying and developing specific research and business opportunities of common interest in the emerging field of nano/microtechnology

To increase competitiveness of innovation infrastructure at regional, national and European level



To improve the efficiency of regional innovation policies by drawing recommendations and implementing best practices.

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#### **PP4: TIS innovation park, Italy**

Identified EU Projects, contacted and established a link or match to the know-how of these EU projects and a continuous cooperation has started.

- **Proposed project:** TUTOR-SENIOR (FP7)  
*Lead partner: TIS innovation park (Italy) contact person: Elena Bensi*

**Project description:** TUTOR-SENIOR proposes a smart, holistic e-health infrastructure capable of monitoring and assisting elderly people in their preferred environment, and at the same time able to elaborate prediction and prevention models for identification of potential behavioural and physiological problems. The focus is a proactive approach of better prediction of daily problems common in the elderly population.

**Innovation transfer:** TUTOR-SENIOR will create case-managers as foundation of its system. Such a figure is itself a link between different bodies: care givers, hospitals, private doctors etc. The whole network created by the project will stimulate and strengthen innovation transfer.

- **On-going project:** EECA LINK (FP7)  
*Lead partner: UNIVERZITA KARLOVA V PRAZE (CZECH REPUBLIC)*  
*contact person: STIPEK Stanislav*

**Project description:** The EECAlink is a coordination action aimed at identification of common research priorities of the European Union and Eastern European and Central Asian countries (EECA) and strengthening collaboration among them. The EECAlink is financed by the Seventh Framework Programme (contract n°223359) under the Health priority theme. The coordinator of the project is prof. Stanislav Stipek from the First Faculty of Medicine, Charles University in Prague. In total, the project unites 17 partners from 12 countries – Armenia, Belarus, Czech Republic, Georgia, Hungary, Italy, Kazakhstan, Moldova, Poland, Russia, Ukraine and Uzbekistan.

**Innovation transfer:** EECAlink represents an active encouragement of the international Health research related cooperation and allows strengthening of the existing bi-lateral scientific collaboration of all participating university/academia partners; therefore EECAlink aims at innovation transfer.

**Website:** <http://www.eecalink.eu/>

- **ON-going project:** HEALTHCOMPETENCE (FP7)  
*Lead partner: AVEDAS AG (Germany) contact person: MAIER Jan*

**Project description:** The objective of HealthCompetence is to ensure an adequate access to the results generated through EC funded projects, which represent a considerable part of health research in Europe, by implementing a web-based Monitoring Tool that makes key information on all FP6&7 Health related projects. This website includes all projects related to life science and health supported by the European

Commission since 2004. It gives visibility to organisations and scientists involved in these projects and, together with interactive search devices, facilitates the identification of potential collaboration partners and the set up of partnerships between academia and industry in health research. HealthCompetence will also progressively give access to the research results in terms of technology offers, patents and publications.

**Innovation transfer:** Access to high-quality information on the above research activities & results has the result of strengthening the involved stakeholders' innovation capabilities, hence create innovation transfer.

**Website:** <http://www.healthcompetence.eu>

- **ON-going project:** ALPS Bio Cluster (Interreg Alpine Space)  
*Lead partner:* ADEBAG for the Rhône-Alpes Bio Cluster *contact person:* Valérie Ayache

**Project description:** The Alps Bio Cluster will establish a transnational cluster network in the biotech and medtech sector by involving actors from 6 alpine regions in research, training and industry, especially small and medium-sized companies, in order to boost joint economic development by reaching a critical mass of key players.

The envisaged transnational cluster builds on strong regional cluster structures and will improve innovation capabilities and deepen collaboration by implementing two thematic and sustainable networks: one on "Autonomy and healthcare" and one on "New diagnosis and therapies" with the two cross-sectoral approaches of linking green and red biotech with environmental health on one side and on bridging ICT and medical devices with healthcare at home on the other side.

A "Healthy life at home in the Alps in a natural environment worth to be preserved" will be promoted through marketing of the Alpine brand.

#### **Innovation transfer: Outputs of the Project**

1. A territorial survey of key players active in addressed sectors of each Project Partner complemented by a trans-national comparison
2. A local SWOT and trans-national SWOT analysis: focus on SMEs, university labs, research centres, economic development agencies, tech transfer offices, incubators, science parks.
3. A trans-national "Search Engine" based on "Google Model" allowing a research of Life Science actors in partners' territories by using free-text search
4. Tools for internal and external communication: web portal, a common DB and search engine for the promotion of the territorial system via information exchange and publication of events to boost the brand "ALPINE".
5. Two transnational "alive and kicking" thematic networks (with forums, student bourses, events, project pitches or other suitable tool) based on joint and shared practices.
6. A model for the long-term sustainability of the thematic networks
7. A common "Alpine" territorial marketing proposal.
8. A strong and recognizable international positioning for Alps Bio Cluster
9. An increased level of interrelations among the alpine regions in the field of health related technologies and environmental biosciences
10. A mutual trans-national learning in the field of innovation, with testing operational tools in a hi-tech sector.

**Website:** <http://www.alpsbiocluster.eu/>

**Interrg Projects related to the Topic TIS is collaborating in:**

- **FreeGIS (LP) Interreg IIIA IT/CH**  
<http://freegis.eu/freegis/?lang=de>
- **Coquin (PP) Interreg IVA, IT/AT**  
Cooperation for Qualification and Dissemination of Innovation Assistant Networks is an Interreg Project dealing with the development and implementation of Innovation-Management  
[http://www.standort-tirol.at/page.cfm?vpath=foerderungen/eu\\_projekte/artikel/coquin](http://www.standort-tirol.at/page.cfm?vpath=foerderungen/eu_projekte/artikel/coquin)
- **Enerbuild (LP) Interreg IIIB**  
<http://www.enerbuild.eu/>
- **NENA (PP) Interreg IIIB**  
<http://www.enerbuild.eu/>
- **PROINNO CEE Clusternetwork (PP) FP6**  
<http://www.proinno-europe.eu>
- **CAN - Cluster Alpine network (LP) FP6**

### ***PP5: Lower Silesian Voivodeship, Poland***

**Project realized by Marshal Office of Lower Silesian Voivodeship Departments / Units:**

RIGHT Project was realized in frame of 6FP from 1.01.2006 to 31.03.2010.

The RIGHT system aims to integrate all information needed for the health services. Furthermore, this System will become the platform which will enable consultation and experts' discussion in each given medical field. It means that it is designed to perform two main functions: semantic, for finding the information, and helping in the accuracy of making diagnostic decisions. New technologies are fundamental for Health Informatics, or Medical Informatics, which is the intersection of information science, computer science, and health care. Information skills are necessary for good medical practice. The dynamics of communicating with patients and with colleagues are altered when the e change moves from a face-to-face. The patient will stay at home and he or she will communicate through the Internet or telephone. The main goal was the reducing diagnosis and treatment risks by leveraging knowledge and practices of Health Care Professionals

As a partner we were implementing two disease units

- Depression
- COPD –Chronic Obstructive Pulmonary Diseases

Contact e-mail: [azwiefka@umwd.pl](mailto:azwiefka@umwd.pl)

Project financed by 8.2.2 PO KL (from 1.08.2008 to 31.12.2010) on "Education and consulting support for the staff of the Lower Silesia Marshal Office and other local authorities, responsible for the elaboration and implementation of the Regional Innovation Strategy " -

Project was cofinanced by ESF Operational Programme for 2007-2013 –Human Capital. The project is aimed at Local Government Unit employees, who are responsible for the design, implementation and development of the Lower Silesia Innovation Strategy. A prerequisite for obtaining a training and advisory support is appropriate and documented responsibilities of the employee concerned local government unit associated with the themes of the Regional Innovation Strategy.

Contact:

tel.: 71 776 9716; 71 776 9147

e-mail: [piotr.iwaszko@umwd.pl](mailto:piotr.iwaszko@umwd.pl); [sebastian.habinski@umwd.pl](mailto:sebastian.habinski@umwd.pl); [aldona.kanicka@umwd.pl](mailto:aldona.kanicka@umwd.pl)

## 1. Project in progress:

**DART Project** (realized by Lower Silesian Centre for Social Policy) is dealing with demographic change which constitutes a challenge for many European regions. Low fertility rates and migration are leading to a declining population in many regions. By 2030 every third person in the EU will be 60 or older. This situation has created obstacles in ensuring the provision of adequate public services, while at the same time shrinking regional demands and the need for a sufficiently large qualified workforce are endangering the economic basis of the regions in question.

There were collected examples of good practices from 13 European regions, boosting Traditional & Innovative Economy, Education & Lifelong Learning and Health Care & Social Services. According to the Innovative economy issue there was presented a Good Practice based on development of Cooperation Incubator (Centre). This GP can be adopted to InTraMed-C2C Project

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## Other EU projects which are identified within the task of this output 3.1.4, InTraMed-C2C

The Lower Silesian Voivodeship Marshal Office is an associated member of the ERA AGE 2 - European Research Area on Ageing 2, which opens up possibilities of cooperation within European networks on ageing. 'The vital role being played by the partners will lead to solid coordination between national ageing research funders, as well as to the long-term viability of the ERA.'

The ERA-AGE 2 is a European network of 7FP which will help Europe meet the ageing challenge by consolidating research resources and expertise, and optimising the impact of research on policy, practice and product development. The solid cooperation developed by ERA-AGE 2 will enable Europe to respond to the ageing question that concerns and affects everyone. Europe is facing the dual pressures of declining birth rates and an ageing population. The action that Europe – and the EU in particular – takes now and in the future will have a profound impact on the region's social and economic spheres.

Contact: Alan Walker, The University of Sheffield, Department of Sociological Studies,  
Elmfield, Northumberland Road, Sheffield S10 2TU, United Kingdom

[j.craig@sheffield.ac.uk](mailto:j.craig@sheffield.ac.uk)

EC funding: EUR 1.7 million n Duration: 48 months

<http://era-age.group.shef.ac.uk/>

Additionally we become a member of EHI2 Network which was created from Small Medium Enterprises (SMEs) to multinational corporations, academia institutions and NHS organisations involving in ehealth in Wales and beyond. The formation of ehi2 network gives a single powerful voice for the ehealth sector in Wales and provides connections with the Welsh Assembly Government, NHS organisations, academics and businesses supporting the development of the sector.

Contact: [ehi2@swansea.ac.uk](mailto:ehi2@swansea.ac.uk), <http://www.ehi2.swansea.ac.uk/en/index.htm>,

Institute of Life Science, College of Medicine, Swansea University, Singleton Park,  
SWANSEA SA2 8PP, Wales, UK

### ***PP6: The John Paul II Hospital, Poland***

The John Paul II has in its structure a separate administrative unit – Bureau of International Projects – which is responsible for the management of projects funded from the EU sources. Apart from the IntraMED-C2C project the Hospital is carrying out the **T-Cares – Technology Care** project under the INTERREG IV Program. The aim of the project is to encourage people to use telemedical care and to optimize the existing telecare systems.

T-Cares project goals should be attained with the following:

- Better understanding the needs of telecare system users and purchasers both in the private and public healthcare sector
- Creating basic training packages in the field of telemedical technology for the staff
- Testing telecare systems in private and public healthcare sector
- Conducting pilot studies “Action Research” in order to define the needs of system users and purchasers
- Disseminating best practices in all participating regions

The following project results are expected:

- Integration of telecare system users
- Support for Professional care givers
- Dissemination of information regarding telecare systems
- Encouragement to implement and optimize telecare systems

The realization of the TCares Project attracted Pro Plus, a company dealing with the production and distribution of devices for cardiac telemonitoring. The company takes an active part in workshops and conferences devoted to the project sharing its business experience in implementation and cooperation with the medical sector.

Another EU funded project that is being implemented in the John Paul II Hospital in Krakow is the **Development of the Krakow Center for Medical Research and Technology** under the Regional Operational Program for the Malopolska province 2007-2013. The goal of the project is to establish an innovative infrastructure to facilitate:

- a comprehensive delivery of healthcare services



- conduction of research using novel technology, knowledge transfer, IT-aided construction of medical databases
- diagnostics, treatment, prevention, telemedicine, health promotion and lifestyle changes
- implementation of information society solutions
- education, exchange of specialist knowledge and experience

Although the project does not include medical technology transfer from the Hospital to small and medium enterprises, modern infrastructure will allow for cooperation with business on a commercial basis. It will be possible to carry out scientific research commissioned by external companies and put study results into practice in the healthcare market.

In Malopolska there are several projects related to innovative technology transfer and cooperation in the healthcare sector. Some of these projects are realized by the Medical Technology Transfer Center Technology Park, a company established by the John Paul II Hospital. The Center carries out a few important projects in partnership:

- **„Science and business equals a real success”** – the project is a response to demand in the scientific circles in Malopolska regarding the knowledge and skills indispensable in private business, procurement of funds, registration procedures and running the company, and a response to a lack of knowledge about commercialization of scientific results, innovative technology transfer and intellectual property protection. Increased awareness of these issues is especially important as Malopolska is one of the leading scientific zones in Poland with vast intellectual potential, and simultaneously with very low funding of research, development and innovation implementation in enterprises.  
The general goal of the project is to improve the knowledge about establishing and running spin off/spin out companies among scientists and to increase awareness of science-business relationships in Malopolska. The specific goals are as follows:
  - Fostering cooperation and establishing business contacts between scientists and entrepreneurs in Malopolska
  - Supporting academic entrepreneurship
  - Making use of the intellectual potential of the region
  - Promoting entrepreneurship attitudes among scientists in Malopolska
  - Reducing the feeling of risk regarding creation of spin off/spin out companies
- **„Knowledge and practice – the key to success in business”** – the aim of the Project is to strengthen cooperation between B+R institutions and make use of the intellectual potential to improve innovation and competitiveness of micro, small and medium enterprises in Malopolska. The expected results are as follows:
  - Knowledge transfer from science to business
  - Professional and business experience gained by researchers
  - Improved competitiveness of micro, small and medium enterprises
  - Better awareness of the value of scientific knowledge in economy
  - Increased innovativeness in the region

Another institution dealing with projects related to medical technology transfer and cooperation between hospitals, B+R institutions and small and medium enterprises is the Technology Transfer Center – Krakow University of Technology. Some of the most interesting projects are:

- **EECALink „Promotion and facilitation of international cooperation with Eastern European and Central Asian Countries”** – with the following priorities:

- To encourage and promote the international collaboration in health sector through systematic support to creation of new research consortia for FP7 calls and preparation of their FP7 project proposals followed by stimulating their further development
- To assure identification of joint research interest of EECA and EU
- To build up and strengthen the university and academic capacities for effective participation in FP7 projects
- To promote FP7 among programme targeted wider research audience – SME's, universities and other research institutes beyond the project consortium
- **IRC South Poland** - Technology Transfer Center – Krakow University of Technology is a coordinator of this Project. The priorities are as follows:
  - facilitating International technology cooperation between enterprises and research institutions in the region
  - Creating databases of people and institutions interested in European projects and International contacts in the field of technology transfer

The EU funded projects that have been completed in Malopolska:

- **Vector – Versatile Endoscopic Capsule for Gastrointestinal Tumor Recognition and Therapy** – the project was supported by the European Union within the 6th Framework Programme and implemented by the consortium of partners from industry and research organizations. The objective of the VECTOR project was to develop intelligent endoscopic capsules using innovations in micro- and nanotechnology. The VECTOR project aimed at investigating and developing a miniaturized robotic pill for advanced diagnostics and therapy in the human digestive tract to make a significant contribution to the diagnosis and treatment of digestive cancers and their precursors. The project aimed also at commercialization of the invention. The Jagiellonian University was the Polish partner in the project.

In the nearest future we plan to establish contacts with people coordinating and managing the above mentioned projects. Their experience will be invaluable for the implementation of the IntraMED-C2C project.

### ***PP8: Regional Development Agency of Gorenjska, Slovenija***

There are many completed or ongoing projects related to research, innovation and technology transfer:

#### **Completed or still running projects:**

The **Jesenice hospital** actively collaborates in the national and EU projects, such as:

1. **Project LAB POSTMAN** (Project operator: Ministry of healthy): The main activities are oriented in the preparation of microbiological unified code register and in the trainings of the users for electronic researching orders. The activities are also focused on preparation of hospital information system integration with LAB POSTMAN, which is developed from the HERMES SOFTLAB Company with the purpose that Ministry gets an overview in ordering microbiological researches frequency and in financial dimension of microbiological field as well.
2. **Project E-HEALTH** (EU project) is one of the biggest projects for computerisation of public services. The activities are focused on integration of communication and

information assets on the field of health to provide better and more effective public-health services. The main goal is to enable that health treatments would be more adjusted to individual patients, to make mobility and patient's safety much easier, to reduce health service expenses and to support inter-operativeness in the county as well as abroad.

3. **Project Safety and quality** (Project operator: Ministry of Health). Activities are oriented in management of safety patient care indicators, employee and patient interviews, preparing clinical ways for treatment of diseases.
4. **EU project PATH** for quality improvement in hospitals. The main activities are related with collecting needed data and sending results to the organizers.

The hospital works also with other institutions: The Institut Golnik, The health care institute Kranj, Medical Faculty, Infonet Kranj, University medical centre Ljubljana.

**Also hospital Golnik applies for funding for research and studies from the EU as well as national agencies and the industry:**

1. **Trans – European telecommunications networks “eTEN” DRUGCHECK - Integrated Knowledge Management and Decision Support System for Pharmaceuticals and their Interactions** (Project's object is to validate an on-line, pan-European service, which gathers, organizes, stores, makes available and presents information and data covering pharmaceuticals and their interactions.)

2. **IMCA II - Indicators for monitoring COPD and asthma in the European Union (Programme of community action in the field of public health)** (The first aim of the IMCA II is to extend the work on indicators already carried out by the IMCA I project by collecting or using already available data and producing reports/papers on all groups of indicators recommended by the project (mortality, prevalence, risk factors, clinical management/health services and outcomes). This work will qualitatively and quantitatively improve the current level of information on COPD and asthma in the EU and will provide relevant information, based on the scientific evidence, necessary for clinical and health care policy decision making at all levels of health care administration.)

3. **TB PAN-NET; Pan-European network for the study and clinical management of drug resistant tuberculosis** (TB PAN NET is the acronym given to a major European translational research consortium of 27 partners funded by the European Commission's Seventh Framework Programme for Research (FP7) and that will be running for the next 60 months with the aim to address the challenge of multidrug-resistant tuberculosis (MDR TB) that faces Europe by establishing a network of expert partners who possess extensive experience in the conduct of basic and clinical research related to MDR TB, TB control and molecular epidemiology.)

4. **OPCARE; Optimising research on end of life care of cancer patients** (OPCARE 9 is a European collaboration which aims to optimise research and clinical care for cancer patients in the last days of life.

5. **ALIAS – Alpine Hospitals Networking for Improved Access to Telemedicine Services**-Alpine space programme (2007-2013)

6. **SICA-HF: Mechanisms of diabetic and weight-related comorbidity in heart failure**

7. **Zero and reduced gravity simulation: the effect on the cardiovascular and musculoskeletal systems – ARRS 2010-2012**

**8. Hospital Golnik successfully cooperates with Nursing school Jesenice currently within the project “Holistic treatment of allergic diseases and asthma in Slovenia: from epidemiology to genetics”. (2009-2011)**

**Clinic Golnik is also included in technology platforms and in EU research programs:**

Name of the platform	Time frame	Partners	Tasks
Technology platform »I-TEHMED- Innovative techno-Medicine«	Oktober 2005-	Iskra Techno, Iskra Medical, KOPA Golnik, Optotek, Fotona, KC Dermatovenerological clinic, Eye clinic, UL FE, UNI FS	Establishment of I-TEHMED-platform for innovative technologies in medicine and support technologies, identification of technologies areas for TP, design of main tasks Cooperation with EU - TP for Innovative Technologies in Medicines - TP on »Photonics 21«
Technology platform »Fotonika 21«	Oktober 2005-	Fotona, Optotek, Iskra Medical, Iskra Techno, LPKF, Optacore, Metrel, KC – Eye clinic, KOPA Golnik, IFB, UL FMF, UL FS, UM FERi, Mikrobi	Slovene TP Fotonika 21- is part of Photonics 21

Acronym of the project	Time frame	Lead partner and other partners	Title
"GA <sup>2</sup> LEN" Mreža odličnosti št. 506378	2006-	GA <sup>2</sup> LEN, the Global Allergy and Asthma European Network (EU Framework program for research contract n° FOOD-CT-2004-506378)	KOPA Golnik is a member of center of excellence.

The clinic will try to improve a field of telemedicine and systematic flow of additional patients in the future.

**Psychiatric Hospital Begunje**

- In connection with Psychology Department on Faculty of Arts in Ljubljana, Institute of Clinical Neurophysiology of University Medical Centre Ljubljana and in connection to University Psychiatric Hospital in Ljubljana they will keep on exploring the neurophysiologic mechanisms of schizophrenia within the research project.
- Psychiatric Hospital will also strengthen their clinical cooperation with the Department of Neurology University Medical Centre Ljubljana at earlier diagnostics of dementia and they will cooperate according to this theme also at preparation of research project of electro-physiologic investigations at patients with dementia and Parkinson's diseases.

In clinical-psychological field they also plan to make a research about efficiency of evaluating of psychosis and depression signs on the basis of Xner evaluating system.

**PP9: CVVI - Centre for research, innovation and regional development, Czech Republic**

The **Centre for research, innovation and regional development** is apart from InTraMed-C2C project a partner to two transnational cooperation projects - Clusters Cord and C-plus being managed within the OP CENTRAL EUROPE.

These projects belong to the priority Innovation, area 1.1 Enhancing Framework Conditions for Innovation and both deal with clusters and cluster initiatives.

## C-plus - IMPLEMENTING WORLD-CLASS CLUSTERS IN CENTRAL EUROPE

The core goal of the C-plus project is to create a common space of the research and innovation in Europe based on the transnational cluster cooperation. The project intends to find and improve the key factors which would allow for promotion of involved clusters to the level of “world class cluster” by exchanging knowledge, market intelligence and qualified staff, sharing access to research and testing facilities, and developing new and better services to cluster companies. In the course of the project, the activities, processes and strategies within clusters focusing on SMEs will be analysed as well as clusters’ management, human resources and the level of their professionalism. Cluster Management Lab will be implemented during the project to ensure the interconnection of involved clusters and innovation transfer management.



### Partnership:

- **National Confederation of Crafts and Small and Medium Sized businesses CNA Regional Association of Emilia Romagna (Emilia-Romagna, IT)**
- Emilia Romagna Region. General Directorate for Industry, Tourism and Trade (Emilia-Romagna, IT)
- IMU-Institut 20 GmbH (Brandenburg, DE)
- CAMPUS 02 - University for Applied Sciences (Steiermark, AT)
- Pannon Business Network Association (Nyugat-Dunantul, HU)
- Centre for research, innovation and regional development (Jihovychod, CZ)
- Regional Development Agency of Bielsko Biala (Slaskie, PL)
- The Bielsko-Biala District (Slaskie, PL)

**Realization:** March 2010 – February 2013

**Budget:** 2 131 300,- EUR

**Website:** <http://www.projectc-plus.eu/>

## Clusters Cord – Clusters & Cooperation for Regional Development in Central Europe

Clusters Cord aims at enhancing the potential for regional development of clusters. The overall goal of the project is the creation of three meta-clusters – clusters of clusters – which will ensure the exchange of experience and direct cooperation of partnering regions and countries, thus improving the competitiveness of the Central European area in the key industrial sectors. Among the sectors being considered as potential sphere for meta-clustering is the area of Health Sciences.



Within the CLUSTERS-CORD the partners, representing the regional business supporting actors (e.g. RDAs) have joint their forces in order to improve regional capacity in the management and development of clusters, through the exchange of experiences and good practices and development of direct cooperation among existing actors.

### Partnership

- **Regional Development Agency of Usti Region, PLC (Severozapad, CZ)**
- Stuttgart Region Economic Development Corporation (WRS) (Baden-Württemberg, DE)



- Regional Development agency of Piestany TTSK-RDA TTSK (Zapadne Slovensko, SK)
- REGIONAL DEVELOPMENT AGENCY CELJE L.T.D. (Slovenija, SI) (*withdrawn after 1<sup>st</sup> period*)
- Mid-Pannon Regional Development Company (Kozep-Dunantul, HU)
- Regional Development Agency of Bielsko Biala (Slaskie, PL)
- Upper Austrian Chamber of Commerce (Oberösterreich, AT)
- Milano Metropoli Development Agency (Lombardia, IT)
- "ARLEG" S.A. Regional Development Agency (Dolnoslaskie, PL)
- Centre for research, innovation and regional development (Jihovychod, CZ)
- Bussiness Support Centre Kranj – BSC Kranj, (Gorenjska, SI) (*entered in the 3<sup>rd</sup> period*)

**Realization:** March 2010 – February 2013

**Budget:** 1 460 000,- EUR

**Website:** [www.clusterscord.eu](http://www.clusterscord.eu)

Other projects of interest and relevance for the InTraMed-C2C being conducted in the Czech Republic are:

#### Innovation 4 welfare (I4W)

Innovation 4 welfare project, which is co-funded by the INTERREG IVC programme, aims at bringing together policymakers, knowledge providers, economic and social intermediaries and health care institutions, implementing projects and policies across six regions. These stakeholders will share, exchange, transfer and implement good practices, thus contribute to the improvement of the regional policy agenda's. solutions promoting health and welfare. The scope of the project activities covers following areas:



- Services and products for special target groups (like elderly people);
- Accessibility, mobility and smart homes;
- Medical and home care systems;
- Safety and security.

#### Partnership:

- **Catalonia Competitiveness Agency (ACCÍÓ), Barcelona (Spain)**
- CESTEC S.p.A. - Lombard centre for the technological and productive development of crafts and small businesses, Milano (Italy)
- Province of Noord-Brabant, s-Hertogenbosch (the Netherlands)
- Regional Development Agency of South Bohemia RERA, j.s.c., České Budějovice (the Czech Republic)
- Austrian Technology and Marketing Company, Linz (Austria)
- Tartu Science park, Tartu (Estonia)
- CIDEM - Centre for Innovation and Business Development, Barcelona (Spain)

**Realization:** October 2008 – September 2012

**Budget:** 4 804 753 EUR

**Website:** <http://www.innovation4welfare.eu/108/home.html>

Within the I4W project several subprojects are managed of which the following one is of interest for the InTraMed-C2C project:

### HaS Passport - Benchmarking of regional health and social institutions especially in rural areas

HaS Passport aims to stimulate innovation in regional health and social services, especially in rural areas. For regional services a 'passport' will be created in order to organize exchange of experience and to create a good practice book.

#### Main objectives

- To provide better understanding of the relevance of health and social services in rural areas.
- To compare the services of the providers involved with similar organizations (benchmark).
- To make recommendations for future development of new services based on research outcome.
- To create a 'Good Practice Book' based on the passports of the service providers involved.
- To disseminate the outcomes to service providers and other relevant experts by organizing an Exchange of Experience seminar.

#### Partnership

- **University of Economics of Prague, Faculty of Management - South West Bohemia (CZ)**
- Alintec - Lombardy (I)
- Pro Mente Upper Austria - Upper Austria (A)

#### Contact

University of Economics, Prague, Faculty of Management, Mr. Rudolf Stritecky,  
[striteru@fm.vse.cz](mailto:striteru@fm.vse.cz)

### EECALink - "Promotion and facilitation of international cooperation with Eastern European and Central Asian Countries"

The EECALink is a coordination action aimed at identification of joint research priorities of the EU and EECA countries and strengthening scientific collaboration among them. The project is funded within the Seventh Framework Programme, priority Health.



Declared priorities of the project are:

- 1) Encouragement and promotion of the international collaboration in Health sector through systematic support to creation of new research consortia and submitting proposals to the Health thematic priority of FP and Public Health Programme.
- 2) Stimulation of the further development of research consortia for FP7 and Public Health calls and supports these in preparation of their project proposals.
- 3) Identification of joint research interest of the EECA and the EU Member States and assure their effective communication to the relevant policy makers.
- 4) Strengthening and broadening of the existing research collaboration among participating university /academia partners.
- 5) Building up and strengthening the capacities of participating EECA countries for effective collaboration within the FP7 projects and in their administration.

### **Partnership:**

The coordinator of the project is prof. Stanislav Stipek from the First Faculty of Medicine, Charles University in Prague. In total, the project unites 17 partners from 12 countries – Armenia, Belarus, Czech Republic, Georgia, Hungary, Italy, Kazakhstan, Moldova, Poland, Russia, Ukraine and Uzbekistan.

**Realization:** June 2009 – November 2012

**Budget:** 600 000 EUR

**Website:** <http://www.eecalink.eu/>

## ***PP10: Budapest University, Biomedical Engineering Knowledge Centre, Hungary***

### **A letter of request**

We didn't identify any EU-Project, however a research team of a Hungarian hospital addressed a letter of request to our Knowledge Centre. They have an innovation and are looking for an international SME partner able to produce a special kind of silicone implant.

### **Description of the request**

The aim of this script is to present in a public manner the research activity of our clinical group.

Our group represents the collaboration between the Surgical Department of a Teaching Hospital and the Institute of Diagnostic Imaging and Radiation Oncology as part of a university which orientation is fundamentally on animal science and animal breeding.

The Surgical Dept. works in the field of general, abdominal, thoracic and vascular surgery with a significant number of colorectal operations.

The Imaging and Radiation Inst. due to his technical equipment represents one of the leading institutes of this field in Hungary. As the part of an animal science based university

the institute gives the opportunity of using the advanced imaging and radiation facility in animal experiments too.

Our clinical research team is studying the adjuvant therapy possibilities in advanced colorectal malignant diseases. Our target activity is based on intra-abdominal colorectal inoperable or locally recurrent tumours (unsuitable for oncological safe surgical procedure). We are trying to obtain down-sizing and down-staging of tumours with the object of a safe surgical treatment. For this object we are trying to develop a targeted, very effective in low dose neo-adjuvant chemo-radiotherapy protocol. For this therapy we need a special shaped, double action intra-abdominal silicone implant.

The implant's manufacturing technology and the quality requirements of the final product are the same as breast implants and other tissue expanders. This technology is not available in Hungary. This is the purpose we try to access the facilities given by InTraMed-C2C Programme.

We're looking for a company specialised in silicone implant manufacturing that is ready to work with and helps us in developing this special silicone implant and its accessories and is interested in following studies improving its utility in neo-adjuvant chemo-irradiation therapy of locally advanced intra-abdominal colonic tumours.

**Contact:**

**Levente, Bogyó dr.**

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str. Tallián Gyula , no. 20-30, 7400 Kaposvár, Hungary

*tel:* +36/20-924.1983

*e-mail:* [bogyolevi@yahoo.com](mailto:bogyolevi@yahoo.com)

## ***PP11: University of Debrecen, Hungary***

### **Completed European projects with the participation of University of Debrecen**

#### ***Coordination of R&D&I policies and their coherences with other policies in Newly Acceded Countries (COGNAC) - EU FP6***

The project aimed to support the regional dimension of the European Research Area by increasing the effectiveness and coherence of the RDI policies, focusing on the public research spending and policy mixes and comprehensively the SMEs and research target areas. The key priority of the project was to directly enhance the research and development issues by the exploitation of additional use and possibilities of the parallel projects by the coordination of the regional policy making processes (RIS-NAC, Structural Funds), so that the added-value of the internal/final results (deliverables) and the synergies of the parallel running projects and activities are exploited.

Coordinator of the project: INNOVA Észak-Alföld Regional Development and Innovation Agency Nonprofit Ltd. (Észak-Alföld, HUNGARY)

Duration of the project: October, 2006 – October, 2008

Web: <http://www.cognacproject.eu/>

### **Ongoing European projects with the participation of University of Debrecen**

#### ***From Research to Enterprise (FREE) - Central Europe Programme***

FREE project intends to contribute to regional development of Central Europe by setting up innovation systems capable of bridging between technical experts, researchers, entrepreneurs and administrations, policy makers included. FREE general objectives are: - to stimulate technology transfer and knowledge exchange mechanisms, - to foster access to scientific knowledge and the use of already existing knowledge, - to set up and intensify the application-oriented cooperation between RTD and industry. FREE specific objective is to develop tangible instruments and human skills able to foster the diffusion of innovation into the business sector on the basis of a transnational framework adapted to regional dimensions. The project analyses models for innovation technology transfer support systems and services in order to identify most suitable cases worth to be adapted, realizes a transnational inventory („RTD Yellow Pages“) as main instrument to promote transnational cooperation RTD/industry, implements four pilot actions on systems and services for innovation, sets up a network of „mediators of Innovation“ to foster a bi-directional process of knowledge integration.

LP of the project: University of Debrecen (Észak-Alföld, HUNGARY)

Duration of the project: November, 2008 – October, 2011

web: <http://free.unideb.hu>

### ***Biotechnological Common Tools (Bio-CT) - EU FP7***

This project deals with the necessity in the EU to build a system that enables entrepreneurs or academia Technology Transfer Offices to achieve, in the best conditions of rapidity and cost effectiveness, the Industrial Proof of Concept (I-PoC) that enables a real economic valorization of Research achievements (Scientific Proof of concept-Sci-PoC). This early stage development is considered world wide as the weak ring in the chain of innovation. The objective is to design a Joint Action Plan between Consortium members and other EU Bio-Regions, that will enable any actor responsible for an early stage development to benefit from a variety of shared resources that will accelerate the process, make it safer and cost effective. The central tool for this is twofold: (1) A network of maturation systems that can take in charge the pre-development stage without creating a company. The existing examples are Go-Bio in Berlin, Bioline in Israel, and several systems in the US. (2) A network of Incubation systems that can, collectively, select, mentor, finance and nurture start-up companies, wherever they are located. The second common tool to be built is a network of high grade facilities, where a large part of the technical experimentation of the maturation process could be done. The third tool is probably the most valuable: Bio CT aim at building common tools for enabling maturation projects to find the personnel they need, through internal EU mobility or thanks to an attractive Reverse Brain Drain set of measures.

The three tools will be linked in a Joint Action Plan designed in the form of a Business Plan in which the financing and Governance parameters will be particularly addressed.

Coordinator of the project: GENOPOLE (Evry, FRANCE)

Duration of the project: March, 2009 – Augustus 2011

web: <http://www.biocet.net/>

### ***Activity and Food for Regional Economies Supporting Health, “Countering diet-related diseases through competitive regional food- and physical activity clusters” (AFRESH) - EU FP7***

The European Commission has identified poor diets and low physical activity levels as health challenges which should be addressed by actions across policy areas and engaging a range of public and private actors. Research points to a necessary link between nutrition and physical activity, but regional health economies need better collaboration between triple-helix



actors to tap this potential. This project aims at developing a research agenda for reducing diet- and physical inactivity-related (chronic) diseases, such as diabetes, obesity, cardiovascular diseases and various types of cancer, by developing innovative products and services within the field of nutrition and physical activity. Instrumental for this is collaboration on an EU wide platform for new research and innovation in the combined field of healthy food and physical activity. The novelty lies in a multidisciplinary approach closing the gap between regional economic hotspots related to food and physical activity. Following this logic they chose the acronym "AFRESH - activity and food for regional economies supporting health". Novel is also the fact that highly competitive RDCs undertake mentoring activities to help those too.

Coordinator of the project: Wirtschaftsfoerderung Region Stuttgart GmbH (Stuttgart, GERMANY)

Duration of the project: September, 2011 – Augustus, 2013

web: under construction (<http://www.afresh-project.eu>)

### ***Healthcare - Technological Innovations and Economic Success (HEALTH TIES) - EU FP7***

Health-TIES addresses Europe's largest health challenges: an ageing population and the sustainability of the healthcare system. This cross-border challenge needs a collaborative approach! Third revolution: True collaboration between medical scientists, engineers, healthcare providers, industry and government is the key to innovation in healthcare (the third revolution). Health-TIES is at the forefront: a transnational consortium in medical technology comprising four top regions in biosciences, technology and entrepreneurship. Common goals: To maximise the impact of innovation and RTD on healthcare, Health-TIES will stimulate joint science, education and state-of-the-art infrastructure; and boost the Healthcare Technology Innovation Cycle. S&T meet patients: Breakthroughs in molecular technology, imaging, and drug design have created new avenues for prevention (risk factor identification, early diagnosis) and more effective treatment. Health-TIES will apply these to Cardiovascular diseases, Cancer, Neurodegenerative diseases, Immunology & Infectious diseases. Accelerate innovation: Health-TIES will accelerate the Healthcare Technology Innovation Cycle, which connects engineers and medical professionals, scientists and entrepreneurs, developers and end-users. Policy makers will be engaged in developing the RTD agenda. Analyse, integrate, disseminate: Health-TIES activities include: analysing innovation performance; attracting SMEs; exchanging staff and students; entrepreneurial training; connecting stakeholders; involving end-users in RTD; sharing best-practices through a Virtual Reference Region and ICT-tools. Better health(care): Health-TIES will contribute to improved health of EU citizens, better-equipped medical doctors, more efficient and effective healthcare systems, and an economically viable sector.

Coordinator of the project: PROVINCIE ZUID-HOLLAND (Den Haag, NETHERLANDS)

Duration of the project: October, 2010 – September 2013

web: [www.healthties.eu](http://www.healthties.eu)

### **Ongoing European projects contacted by University of Debrecen**

#### ***Advanced, Cross-Disciplinary & Integrated Medical Imaging for all Europeans through a Network of Regional Clusters and Development Strategies (AMI-4EUROPE) – EU FP7***

Medical Imaging has transformed medicine and the way physicians measure, manage, diagnose, treat and even think about medical illness and conditions. The objective of AMI-4Europe is to define and develop the concept of "next generation" Medical Imaging

integrating disciplines such as nanomedicine, pharmaceutical and biotechnologies for healthcare and ICT through the involvement of policy makers, researchers, enterprises and physicians. AMI-4EUROPE aims to acquire a comprehensive insight into the design, implementation and impact of existing Medical Imaging and associated Health-related Technologies research and innovation support programmes and initiatives in Europe. The scope of this objective is to create the Common Co-ordination and Knowledge Base necessary to enter the identified market niches and then establish appropriate scientific advice and sustainable support mechanisms to assist the EC and national, regional policy makers to better define a Strategy and show the way for future research actions in favour of AMI, Regions of Knowledge and the European Research Area (ERA) to maximize their socio-economic impact in support of the health-related economy. Twenty two partners from six regions are working for analysing the sector from non-scientific and scientific points of views to be able to prepare a Joint Action Plan, which will be implemented. Two clusters will be established in Romania and Republika Sprska in Bosnia and Herzegovina with the mentoring of the other partners.

LP of the project: ASOCIACION MADRID NETWORK (Madrid, SPAIN)

Duration of the project: October 2010 – September 2013

web: [www.ami-4europe.eu](http://www.ami-4europe.eu)

INNOVA Észak-Alföld Regional Development and Innovation Agency Nonprofit Ltd. (Debrecen, HUNGARY) is participating in the implementation of this project. We contacted the agency and we exchanged information about AMI-4EUROPE and IntraMed C2C projects.

### ***Future Laboratory for the Diffusion and Application of Innovation in Materials Science and Engineering (FLAME) - Central Europe Programme***

FLAME is the new project involving 11 Central European regions from 8 European countries for supporting the material sciences actors in exploiting their research and commercial potentials. Materials sciences and engineering (MS&E) are significant innovation drivers within the Central European area and thus crucial for competitiveness and economic growth. However, in all participating regions companies, especially SMEs, are facing the barriers when working together across national borders and also lack of market transparency regarding active players in the broad field of materials science. Within the FLAME project the partners will experiment innovative co-operation modules that facilitate the information flows and interactions among the regions. Their aim is to unlock the full potential of all types of enterprises ranging from start-ups, spin-offs and high-growth 'gazelles' to traditional enterprises, micro-enterprises and family SMEs and enabling them to bring MS&E knowledge and technologies to the market, to internationalize their value & supply chains and thereby improve their growth potential. The project will implement a brand new cooperation model: the Future Lab, that will help to make better use of local and regional potentials, kick-start innovation in the MS&E sector and support regional development.

LP of the project: AREA m styria GmbH (Steiermark, AUSTRIA)

Duration of the project: March 2010 - August 2012

web: [www.flameurope.eu](http://www.flameurope.eu)

INNOVA Észak-Alföld Regional Development and Innovation Agency Nonprofit Ltd. (Debrecen, HUNGARY) is participating in the implementation of this project. We contacted the agency and we exchanged information about FLAME and IntraMed C2C projects.

### ***Advanced Biotech Cluster platforms for Europe (ABCEurope) – CIP Framework Programme***

ABCEurope is a pan-European partnership of cluster organizations focusing on the biotechnology sector. This partnership aims to raise both the quality and quantity of support services for biotech SMEs across Europe. By providing better quality and more efficient services to biotech companies and by reinforcing international cluster activities, the vision is to contribute to creating a European biotech world-class cluster. The overall goal of the project is to foster transnational cooperation between Bio cluster initiatives, helping cluster support organizations to develop and test improved cluster support services and to integrate innovative SMEs into clusters. The project will help to design service packages for innovative SMEs in order to create better conditions for growth, a favourable environment for cross border cooperation, transnational innovation and entrepreneurship.

Coordinator of the project: Camera Di Commercio, Industria, Artigianato E Agricoltura Di Milano (Milano, ITALY)

Duration of the project: September 2010 – August 2013

web: <http://www.europe-innova.eu/abceurope>

INNOVA Észak-Alföld Regional Development and Innovation Agency Nonprofit Ltd. (Debrecen, HUNGARY) is participating in the implementation of this project. We contacted the agency and we exchanged information about ABCEurope and IntraMed C2C projects. In addition to that we are planning to organize the so called Regional Conference on Life Sciences and Technologies together at the University of Debrecen in the end of May 2011.

### ***PP12: Medical Valley EMN e.V., Germany***

Medical Valley EMN e.V. identified the project **KASK Innovation**, an Interreg IVA-funded project in cooperation of Ideklinikken (Denmark) together with University Hospital of Oslo (Norway) and University Hospital of Gothenburg (Sweden). The objective of the KASK Innovation project is to exploit the potential for innovation of the public health sector in the Kattegat/Skagerak area primarily through user-driven and employee-driven innovation. The development of a new platform is in the centre of the KASK Innovation activities: The new platform has three key elements - all of which are related to the establishment of a best practice for innovation:

- Identification of critical success factors for innovation and definition of new methods for measuring innovation output and effect
- Establishment of Clinics of Innovation to facilitate the conversion of ideas from research and medical practice into new services or products for the benefit of patients and society.
- Development of methods to eliminate barriers of innovation from within – for example by building and implementing new competence models.

Information on KASK Innovation: <http://www.kask-innovation.eu>

The partner **Ideklinikken** has implemented an innovation management within the University Hospital Aarhus and since two years offers support in innovation and commercialisation. The overall aim is to

- strengthen the innovation ability at Aalborg Hospital by providing supporting measures
- ensuring the utilisation of research results for the benefits of patients
- establishing collaborations with different actors from the region (SMES, ...)

Information on Ideklinikken: <http://www.ideklinikken.dk/>

The objectives of KASK Innovation and the partnering organisation Ideklinikken have been found very similar to the objectives of IntraMED-C2C. To exchange ideas and install a relationship between the two projects Medical Valley EMN e.V. organised a meeting with Ideklinikken /KASK Innovation:

**Date:** January 10, 2011  
**Venue:** Ideklinikken at University Hospital Aalborg  
**Participants:** Marco Wendel, Medical Valley EMN e.V.  
Kjeld Lisby, Head of Aalborg Hospital Ideklinikken  
Lars Rasmussen, Research Director of Aalborg University Hospital  
Flemming Gravesen, Ideklinikken  
Finn Allan Larsen, BioMed Community

The program of the site visit was very dense:

- Briefing on Innovation Organisation and Processes at the Research and Innovation Centre at Aalborg University Hospital
- Demonstration on different types of running programmes
- Demonstration of used SW-package for Open Innovation
- Briefing on BioMed Community (The Medico cluster in Northern Jutland)

During this site visit Ideklinikken gave an important insight view on its unique concept for employee- and user driven innovation that can give important input for the development of the IntraMED-C2C approach. The main outcomes have been written down in minutes that have been made accessible to all IntraMED-partners.

A co-operation on innovation management and transfer between IntraMED-C2C and KASK Innovation/Ideklinikken was discussed and the installation of a working relationship has been agreed as the best possibility of bundling forces and to avoid double work. Discussions will be structured and joint workshops have been discussed.

An already closed project whose results could be of interest especially for the business point of view on innovation is the **RAPIDE** network, EU-financed under INTERREG IVC. The RAPIDE network aims at making use of the knowledge existing both within the RAPIDE partner regions and more widely within the European Union and exploring how the public sector can influence innovation, for example, through: procurement; investment decisions (gap funding, regeneration etc.); initiatives that assist and advise businesses; partnerships with HEIs, businesses etc.; and, policy development and adoption. The IntraMED-C2C partners should get in contact with the former project manager in order to discuss on possible synergies and on a possible collaboration.

More information on RAPIDE: <http://www.rapidenetwork.eu>

A project not funded by the EU but from the Nordic Innovation Centre is the project “**Innovation4Care** - User driven innovation in the healthcare sector” that aims at introducing user driven innovation as a strategic objective and a management tool for improving quality and adaptability for the healthcare sector. Identifying the needs from patients and including them in the innovation process was one of the main goals. A crowdsourcing tool was set up to support the user-driven innovation process. This project is fully implemented and already tested. Discussing with representatives of this project can be of great value for IntraMED-C2C as the patient view has not yet been taken into consideration as the focus lies on clinical staff as inventors.

More information on Innovation4Care: <http://www.nordicinnovation.net/prosjekt.cfm?id=3-4415-316>

Also of interest for the IntraMED-C2C activities can be the **CLIQ Project**. CLIQ aims to improve local authorities' innovation policies, to integrate innovation, entrepreneurship and internationalisation processes and to improve regional competitiveness. This will be achieved by developing close links between quadruple helix partners at local level. CLIQ plans to operate as a live open innovation system.

More information on CLIQ: <http://www.cliqproject.eu>