

Sabanci University

**RESEARCH AND
GRADUATE POLICY
DIRECTORATE**

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in June 2010, features

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more information at: rgp.sabanciuniv.edu

The European Commission FP7 Capacities programme aims to enhance research and innovation capacities throughout Europe and ensures their optimal use. The Capacities programme is provided with a budget of EUR 4.097 million to operate in seven broad areas:

- Research infrastructures
- Research for the benefit of SMEs
- Regions of Knowledge
- Research potential of Convergence Regions
- Science in society
- Support to the coherent development of research policies
- International cooperation

The 'Regions of knowledge' which is one of the activity of the Capacities Program will allow regions to intensify the role of research and technological development (RTD) in economic development and to invest better and more in RTD through cultivating innovative 'research-driven clusters' at a local and regional level. The aim is to increase the capacity of European regions to invest in and develop their commitment in research which can contribute significantly to economic development. The actions undertaken in this area will enable European regions to strengthen their capacity for investing in and carrying out research activities, while maximising their potential for a successful involvement of their operators in European research projects. These activities will be implemented in close relationship with the EU's regional policy and the Competitiveness and Innovation Programme (CIP).

This activity will be implemented through Coordination and Support Actions to cover the following:

- Analysis, development and implementation of research agendas for regional or cross-border clusters
 - thematic issues or priorities, based on the analysis of the existing regional plans of RTD and on the development policies of economic sectors;
 - regional RTD public and private actors (engaged and non engaged);
 - the strengths and weaknesses of the regions concerned in terms of their capacity to produce, transfer and use knowledge;
 - economic development needs;
 - existing RTD policy and activities, their evolution and impact;
 - European and international context;
 - synergies and opportunities for mutual learning;
 - mentoring and cooperation possibilities between regional actors involved in research driven clusters.
- Mentoring of regions with a less-developed research profile by highly developed ones
- organizing events including conferences, meetings, workshops or seminars, related studies, exchange of personnel, exchange and dissemination of good practices and, if necessary, the definition, organization and management of joint or common initiatives.
 - Initiatives to improve integration
 - Increasing the research potential and researcher mobility;
 - Improving and sharing RTD infrastructure;
 - Supporting research projects;
 - Promoting networking between research organization and enterprises, in particular SMEs;
 - Enhancing knowledge transfer between firms and between research organization and enterprises, in particular SMEs;
 - Improving availability of and access to SME support services and private financing for RTD;
 - Outlining of a business plan: defining how to finance the joint action plan by using possibilities afforded at national/local level or at Community level (Framework Programmes, Structural Funds).
 - Dissemination activities - conferences, workshops, publications, web-based initiatives.

The EU Member States have earmarked a total of € 126 million for funding this theme over the duration of FP7.

Further information regarding the Regions of Knowledge can be found at http://cordis.europa.eu/fp7/capacities/regions-knowledge_en.html

1.1.Regions of Knowledge Success Stories

FENS Faculty Member Dr. Uğur Sezerman describes his JADE Project

Ugur_Sezerman

The 'Regions of knowledge' (RoK) aims to strengthen the research potential of European regions by encouraging and supporting the development of regional 'research-driven clusters'. Since RoKs will be primary participants in future FP7 calls and are already selected to be continued in FP8, it was very important for Turkey to take part in this Call.

I got involved with this call when I got contacted by Turkey's National Contact Point to bring together a cluster from Istanbul Region to prepare a proposal for the January RoK Call. After going over all the documents of this call I have decided to establish a cluster on elderly Care which is one of the priority areas of European Research Agenda (ERA) which was also one of the priority topics of the Call.

As a result of effective health services, developing medical technology and improving social standards, the human life is extending in the developed countries. As a result of this, the elderly population has shown a significant increase in amount in the recent years. According to the World Bank's recent studies, Turkey's population, which 6% consists of elder people, will increase by 3% in elderly amount in the next 10 years. Elderly Care will be a very important problem for Turkey in a very near future.

This RoK call mainly focuses on establishing a strong consortium in the field and asks for a joint action plan on how this consortium will develop technologies to enable elderly independent living conditions at their home.

Elderly Care related Technologies to be developed will be on microsystems, MEMS (Micro-Electro-Mechanical Systems), embedded electronic systems, pervasive and context aware computing, learning and adaptive systems, wireless sensor networks, RFID, environmental and behavioural monitoring and analysis, image and scene analysis, wearable physiological data sensors, biomedical personal instrumentation, human multimodal interfaces, digital voice synthesis and analysis, smart home instrumentation, electronic textiles, telecommunication systems, wireless technologies, new generation networks (NGN), biometric identification systems, robotic artifacts, augmented and virtual reality, simulation tools, indoor and outdoor localization technologies, geographic information systems, Telehealth Information and Management Systems.

Since RoK is a technology driven Call SMEs are expected to play a major role in the success of its aims. To establish a strong cluster in Istanbul region I had to access to the SMEs in the field. With the help of Sabanci University European Enterprise Networks (EEN) I found out potential SMEs that have products or providing services or have potential to develop technologies on Elderly Care. We contacted all the potential firms and explained the RoK call and our goal in establishing the cluster and also checked the suitability of these firms to the cluster. As a result we have selected 6 SMEs. EEN provided great help especially regarding issues with SMEs all through the submission and negotiation period.

Then we contacted legal authorities Istanbul Municipality and Istanbul Branch of Health Ministry to gain their support in the establishment of the cluster. We also searched for potential academic and research partners. After a thorough search, we contacted Bogazici University and TUBITAK UEAK as potential partners in Istanbul Cluster.

After establishing a cluster, I prepared a pamphlet on Istanbul Cluster on Elderly Care Explaining the importance of the problem for the region and Europe. The pamphlet also showed the strength and potential of the partners of the cluster. This pamphlet was sent to all the potential European partners who were planning to submit a proposal for this call. The list of potential partners were provided by the Turkish NCP.

I also prepared a presentation which was presented at the Partner Search meeting organized by Turkish NCP in Brussels. Most of the NCPs of several European Countries and several EC Officials, including head of the Regions of Knowledge and research potential unit Jean David Malo, participated in this meeting. After this meeting we were contacted by several Coordinators who asked Istanbul Cluster to join their consortium. After several exchanges with all the coordinators about their aims and topics of interest and carefully searching the other cluster members of these consortiums I have decided to join the cluster established by Italian Coordinator from Ancona region. Besides Italy the consortium had clusters from Helsinki, Grenoble and south east England region. I attended their partners meeting in Brussels and we discussed how we should prepare the proposal and which points we should emphasize and how. After a hectic proposal preparation period, with much appreciated help from RGP, the proposal was submitted in January, 2010. We were notified in March that it was selected to be funded by the commission. This was the first RoK Call Turkey had won. Currently we are almost at the end of the negotiation phase. RGP is helping out at the negotiation phase as well. The total project budget will be around 2.6 million Euros and it is expected to start at January 1st 2011.

2. Open Call for Proposals

EU 7TH FRAMEWORK - TUBITAK- SANTEZ

Sponsored Institution	Call Title	Deadline for Submission	Theme
EU 7th Framework Program (FP7) Cooperation Specific Program			
EU FP7- Cooperation	SP1-JTI-CS-2010-02	June 30, 2010	JTI

EU FP7- Cooperation	FP7-ICT-2009-C	July 06, 2010	ICT
EU FP7- Cooperation	SP1-JTI-CS-2010-03	July 20, 2010	JTI
EU FP7- Cooperation	FCH-JU-2010-1	October 13, 2010	JTI
EU FP7 People Specific Program			
EU FP7- People	FP7-PEOPLE-2010-IEF	August 17, 2010	People
EU FP7- People	FP7-PEOPLE-2010-IIF	August 17, 2010	People
EU FP7- People	FP7-PEOPLE-2010-IOF	August 17, 2010	People
EU FP7- People	FP7-PEOPLE-2010-RG	September 07,2010	People
TUBITAK			
TUBITAK	Support Program for Research Projects of Public Institutions(1007)	July 02, 2010	-
TUBITAK	Support Program for Scientific and Technological Research Projects (1001)	September 03, 2010	-
TUBITAK	Career Development Program (3501)	September 03, 2010	-
TUBITAK	EVRENA- Global Researcher Program (1010)	September 03, 2010	-
TUBITAK	UBAP-The Participation Program for International Scientific Research Projects (1011)	September 14, 2010	-
TUBITAK	Visiting Scientists Fellowship Program (2221)	End of every month	-
TUBITAK	Support Program for the Initiative to Build Scientific and Technological Cooperation Networks and Platforms (1301)	Open	-
TUBITAK	Patent Application Promotion and Support Program (1008)	Open	-
TUBITAK	Short-Term R&D Funding Program (1002)	Open	-
SANTEZ			
Ministry of Trade and Industry	Industry Thesis (SAN-TEZ) Program	August 15, 2010	-

Abbreviations:

ICT: Information and Communication Technologies

JTI : Joint Technology Initiatives

3. RGP News

Proposals submitted by RGP

The RGP Directorate has processed 3 proposals for the following sponsoring agencies in May and June 2010.

- 1 proposal for the Instrument for Pre-Accession Assistance (IPA), Socio-Economic Partnership Program
- 1 proposal for the Instrument for Pre-Accession Assistance (IPA), Civil Society Facility, Regional Program
- 1 proposal for TUBITAK 2221-Visiting Scientists Fellowship Program

Attended Meetings and Events of the RGP Directorate in May and June 2010

- “Competitiveness and Innovation”, May 05, 2010, Dr. Cemil Arıkan made a presentation on METU Electrical and Electronic Engineering, Ankara.
- “Brain-Drain-Gain Turkish Case”, May 17-21, 2010, Dr. Cemil Arıkan made a presentation on the Academic Cooperation Association (ACA) Annual Conference 2010, Cordoba.
- “Research Management at Sabanci University”, May 06, 2010, Dr. Nilay Papila made a presentation on EU FP7 Info Day, TUBITAK.
- “EU FP7 Information & Communication Technologies (ICT) and Marie Curie Info Day”, June 02, 2010, Dr. Didem Kılıçoğlu attended to the info day, TUBITAK.
- “EC Education, Culture, Multilingualism and Youth Commissioners’ (Ms. Androulla Vassiliou) Visit to Turkey”, June 10, 2010, Dr. Cemil Arıkan attended to the meeting, Bogazici University.
- “EU FP7 Nanosciences, Nanotechnologies, Materials & New Production Technologies (NMP) and Information & Communication Technologies (ICT) Info Day”, June 24, 2010, organized by RGP, TUBITAK FP7 NMP NCPs Mr. Abdurrahman Türk and TUBITAK FP7 ICT NCPs Ms. Ezgi Bener attended to the info day.

4. Latest Research News

Sabanci University Faculty has been awarded with two new grants from TUBITAK Short-Term R&D Funding Program (1002)

Dr. Cleva Ow-Yang, Faculty Member of the Faculty of Engineering and Natural Sciences, has been awarded with TUBITAK Short-Term R&D Funding Program for her project entitled “Plasma Etching of 2-D Micelle Nano Reactor Arrays”.

Dr. Hikmet Budak, Faculty Member of the Faculty of Engineering and Natural Sciences, has been awarded with TUBITAK Short-Term R&D Funding Program for his project entitled “Identification of Drought Stress Related Proteins of Wild Emmer Wheat by a Proteomic Approach”.

Sabanci University Faculty has been awarded with three new grants from the EU FP7 People Program, Marie Curie International Re-integration Grants (IRG)

Dr. Hakkı Yazıcı, Faculty Member of the Faculty of Arts and Social Sciences, has been awarded with EU FP7 Marie Curie IRG for his project entitled "Motivating Parents to Invest in Children".

Dr. Murat Çokol, Faculty Member of the Faculty of Engineering and Natural Sciences, has been awarded with EU FP7 Marie Curie IRG for his project entitled "Systematic Analysis of Gene Synergies to Discover Drug Synergies".

Dr. Volkan Özgüz, Director of SU Nanotechnology Research and Application Center, has been awarded with EU FP7 Marie Curie IRG for his project entitled "Ultra Low Energy Vertically Integrated Circuits".

Sabanci University Faculty has been awarded with a new award from the IBM Faculty Award 2010

Dr. Bülent Çatay, Faculty Member of the Faculty of Engineering and Natural Sciences, has been awarded with IBM Faculty Award for his project entitled "Green Logistics: Minimizing Greenhouse Gas Emissions in Road Transport".

Sabanci University Faculty has been awarded with a new grant from Industry Thesis (SAN-TEZ) Program by Ministry of Trade and Industry

Dr. Yusuf Menciloğlu, Faculty Member of the Faculty of Engineering and Natural Sciences, has been awarded an Industry Thesis (SAN-TEZ) Program for his project entitled “Expanded Perlite Dispersions in Silicone Elastomers as a Reinforcing Filler; Processability and Applications”.

5. Upcoming Events

- “Meet-Initiate-Develop Brokerage Event”, July 06, 2010, Bucharest, Romania.
- “Nanofair 2010, 8th International Nanotechnology Symposium”, July 06-07, 2010, Dresden, Germany.
- “Future Internet-Public Private Partnership (PPP) European Information Day”, July 08, 2010, Brussels, Belgium.
- “FP7 Information Day for the Public Private Partnerships Energy-Efficient Buildings, Factories of the Future and Green Cars”, July 09, 2010, Brussels, Belgium.
- “7th International Conference on Nanosciences and Nanotechnologies”, July 11-14, 2010, Halkidiki, Greece.
- “Information Days - FP7 Environment and Eco Innovation Calls 2011”, July 12-13, 2010, Brussels, Belgium.
- “International Conference on Modelling and Simulation in Engineering, Economics and Management (MS’2010)”, July 15-17, 2010, Barcelona, Spain.
- “FP7 Transport Information Days 2010”, July 22-23, 2010, Brussels, Belgium.
- “3rd Annual World Congress of Industrial Biotechnology 2010”, July 25-27, 2010, Qingdao, China.
- “10th World Congress of Bioethics”, July 28-31, 2010, Singapore.
- “International Workshop on Human Behaviour Understanding 2010”, August 22, 2010, Istanbul, Turkey.
- “25th European Photovoltaic Solar Energy Conference and Exhibition”, September 06-09, 2010,

Valencia, Spain.

- “Manufuture-NMP 2010”, September 07-09, 2010, Brussels, Belgium.
- “European Industrial Technologies Conference”, September 07-09, 2010, Brussels, Belgium.
- “The 5th Mediterranean Conference on Information Systems– MCIS”, September 12-14, 2010, Tel-Aviv, Israel.
- “15th International Union of Air Pollution Prevention and Environmental Protection Associations’ World Clean Air Congress”, September 12-16, 2010, Vancouver, Canada.
- “Information Day and Brokerage Event on Call FP7-KBBE-5-2011”, September 13, 2010, Brussels, Belgium.
- “Knowledge Based Bio-Economy towards 2020”, September 13-14, 2010, Brussels, Belgium
- “Third International Workshop on Computational Social Choice”, September 13-16, 2010, Düsseldorf, Germany.
- “Ambient Assisted Living (AAL) Joint Program– AAL Forum 2010”, September 15-17, 2010, Odense, Denmark.
- “The European Association of Centers of Medical Ethics (EACME) Annual Meeting 2010”, September 16-18, 2010, Oslo, Norway.
- “International Workshop on Automated Configuration and Tailoring of Applications”, September 20, 2010, Antwerp, Belgium.
- “Third International Workshop on Academic Software Development Tools”, September 20, 2010, Antwerp, Belgium.
- “Brokerage Event for Marine Research in the Seventh Framework Programme”, September 23-24, 2010, Istanbul, Turkey.
- “Workshop on Dynamic Networks and Knowledge Discovery (DyNaK 2010)”, September 24, 2010, Barcelona, Spain.
- “ICT 2010”, September 27-29, 2010, Brussels, Belgium.
- “15th Annual Meeting of the European Council for Cardiovascular Research (ECCR)”, October 08, 2010, Grasse, France.
- “Recombinant Pharmaceutical Manufacturing from Plants - The Future of Molecular Farming”, October 15, 2010, Hertfordshire, UK.
- “Nanotechitaly 2010”, October 20-22, 2010, Venice, Italy.
- “Complex Systems Design & Management 2010”, October 27-29, 2010, Paris, France.
- “eChallenges e-2010 Conference”, October 27-29, 2010, Warsaw, Poland.
- “The 3rd Nanotechnology International Forum”, November 01-02, 2010, Moscow, Russia.
- “International Conference on Energy and Automotive Technologies (ICAT’10)”, November 05, 2010, Istanbul, Turkey.
- “Grids 2010: the Backbone of Europe's Energy Future”, November 23-24, 2010, Berlin, Germany.
- “NANOSSENS 2010: Nanosensors for Industrial Applications”, December 02-03, 2010, Vienna, Austria.
- “International Renewable Energies Exhibition: Energiaia”, December 08-11, 2010, Montpellier, France.

6. Call Forecast

Call Theme	Call Opens	Call Deadline
FET Young Explorers	July 20, 2010	August 04, 2010
FP7-ENERGY-2011-1	July 20, 2010	October 25, 2010
FP7-ENERGY-2011-EXCHANGE	July 20, 2010	October 25, 2010
Public Private Partnership (PPP) - Future Internet-2011	July 20, 2010	October 26, 2010
ERC Starting Independent Researcher Grants	End of the July	End of the October
FP7-2011-NMP-ENERGY	July 30, 2010	November 25, 2010
FP7-2011-ENERGY-JAPAN	July 30, 2010	November 25, 2010
PPP - Factories of the Future	July 30, 2010	December 02, 2010
PPP- Energy Efficient Buildings-2011	July 30, 2010	December 02, 2010
PPP Green Cars-2011	July 30, 2010	December 02, 2010
FP7-2011-NMP-ENV-ENERGY-ICT-EeB	July 30, 2010	December 02, 2010
FP7-2011-GC	July 30, 2010	December 02, 2010
FP7-OCEAN-2011	July 30, 2010	January 18, 2011

FP7-ENERGY-2011-2	July 30, 2010	March 03, 2011
FP7-ERANET-2011-RTD	July 30, 2010	Open

7. Editorial

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