



BULGARIAN ACADEMY OF SCIENCES



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- The Review Committee has come to the unambiguous conclusion that the majority of BAS Institutes perform valuable research as judged by international standards.
- In some cases the panels found research groups that operate at the forefront worldwide.
- This overall result is regarded by the review team as an impressive achievement, considering the particularly difficult circumstances for research in Bulgaria.



GOVERNING BODIES

- **Board of Trustees**
- **General Assembly**
- **Executive council**
- **Board**



STAFF

<u>Staff (total)</u>	<u>6747</u>
<u>Researchers:</u>	<u>3125</u>
Academicians:	13
Cor. Members:	21
Proffesors:	248
Assos. Proffesors:	1249
D.Sc.:	340
Ph.D.:	2003
Open positions :	474



RESEARCH FIELDS

I. Information and Communication Sciences and Technologies

- **Institute of Mathematics and Informatics**
- **Institute of Mechanics**
- **Institute of System Engineering and Robotics**
- **Institute of Information and Communication Technologies**



RESEARCH FIELDS

II. Energy Resources and Energy Efficiency

- Institute for Nuclear Research and Nuclear Energy
- Institute for Electrochemistry and Energy Systems
- Institute for Engineering Chemistry
- Central Laboratory for Solar Energy and New Energy Sources (SAU)



RESEARCH FIELDS

III. Nanosciences, New Materials and Technologies

- Institute for Solid-State Physics
- Institute of Electronics
- **Institute for Optical Materials and Technologies**
- **Institute for Mineralogy and Crystallography**
- Institute of Metal Science, Equipment and Technologies with Center for Hydro and Aerodynamics



RESEARCH FIELDS

IV. Biomedicine and Quality of Life

- **Institute for Molecular Biology**
- **Institute for Neurobiology**
- **Institute for Microbiology**
- **Institute for Biophysics and Biomedical Engineering**
- **Institute for Biology and Immunology of Reproduction**
- **Institute for Experimental Morphology, Pathology and Anthropology with Museum**



RESEARCH FIELDS

V. Biodiversity, Bioresources, and Ecology

- Institute for Biodiversity and Ecosystem Research
- Institute for Forestry
- Institute for Plant Physiology and Genetics
- Nat. Museum for Natural History (SAU)



RESEARCH FIELDS

VI. Climate Changes, Risks and Natural Resources

- Institute for Geology
- National Institute for Geophysics, Geodesy and Geography
- National Institute for Meteorology and Hydrology
- Institute for Oceanology



RESEARCH FIELDS

VII. Astronomy, Space, Research and Technologies

- **Institute of Astronomy with National Astronomical Observatory**
- **Institute for Space and Solar-Terrestrial Research**



RESEARCH FIELDS

VIII. Cultural-Historical Heritage and National Identity

- Institute for Bulgarian Language
- Institute for Literature
- Institute for Balkan Studies with Center for Thracology
- Institute for History Studies
- Institute for Ethnology and Folklore Studies with Ethnographic Museum
- Institute for Arts Studies
- Nat. Archeological Institute with Museum
- Scientific Center for Cyrillo-Methodian Studies (SAU)



RESEARCH FIELDS

IX. Man and Society

- Institute for Economic Studies
- Institute of the State and Law
- Institute for Population and Human Studies
- Institute for the Society and Knowledge Studies



THE REFORM IN BAS

Goal:

- To **increase the effectiveness** in solving major challenges for development of the state and society, and to
- **Full value participation in world science development** and ERA



THE REFORM IN BAS

Principles:

- Further development of approved scientific traditions and BAS potential
- Creation of favorable environment for large-scale problem-oriented research
- Creation of favorable environment for increasing the number of young researchers and doctoral students



THE REFORM

Principles:

- Balance between basic and applied research, and innovations
- Interdisciplinary approach in the research and integrity of the scientific capacity
- Further emphasis on project oriented financing
- Optimizing the quantity and qualification of the administrative staff



Changes in the governance structure

Creation of „Consultative scientific councils“

- Short- and long-term priorities and policies in the respective research fields
- National and foreign researchers, representatives of state institutions and businesses



New academic structure

- **9** research fields (*the basis for large-scale problem-oriented research and interdisciplinary research*)
- **42** new units established – after restructuring of the former **69** BAS units and closure of 22 units
- 7 specialized academic units
- 12 other specialized units



Results and changes

- **630** pensioned researchers
- **130** young researchers – recently hired
- Optimization of the administrative staff –250 people less



FUNDING

- **Budget subsidies**
- **Project financing**
 - National Programs
 - EU Programs
 - International Programs



Amendment to the Law on BAS, April 2011

- Board of Trustees
- Ensures for liaison of the research to state institutions, business community, educational system
- Direct supervision and reporting to the National Assembly
- **Preservation of the autonomy of BAS**



BAS - EURAXESS

- **Signature of the Declaration: March 2011**
- **Activities related to support for mobility of researchers to date:**
 - funding opportunities (FP7, JRC, CIP, Erasmus) - information dissemination, consultancy, training
 - Assistance to PhD students and lecturers under Erasmus



INTERNATIONAL COOPERATION

➤ Int. projects/BAS institutes- EC, NATO, others	466
➤ Inter-academia projects	422
➤ Specializations (outgoing)	136
➤ Incoming visits (inter-academia short-term projects)	127
➤ Other incoming visits (short-term)	687



PhD students at BAS

- **750 PhD students** in 190 subjects;
- **11** foreign doctoral students



MOBILITY OF RESEARCHERS

How to better organize in future?

- 1. Incoming mobility: Identify strengths and promote!**
- 2. Outgoing mobility: expanded assistance**



Support for mobility of researchers:

- **Identifying target groups – database scholarships, database incoming researchers (temporary and permanent)**
- **Better service to outgoing and incoming researchers (funding opportunities; host country information)**
- **Networking**



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Thank you for your attention!



The University

8 basic faculties

- Agricultural & Industrial Faculty;
- Faculty of Mechanical & Manufacturing Engineering;
- Faculty of Electrical and Electronic Engineering and Automation;
- Faculty of Automotive & Transport Engineering;
- Faculty of Business & Management;
- Faculty of Natural Science & Education;
- Faculty of Law Studies;
- Kinesitherapy & Occupational Therapy

2 subsidiaries

- in Silistra;
- in Razgrad



UNIVERSITY OF ROUSSE “ANGEL KANCHEV”



Centre for European Integration, International Cooperation & Mobility (CEIICM)

Introduction

CEIICM is a basic university unit, providing services at University level. It organizes and coordinates the international activities of the University of Rouse “Angel Kanchev” in the field of teaching, education and research and provides high qualitative services to incoming and outgoing researchers, lecturing staff, officers, PhD-students and students



Centre for European Integration, International Cooperation & Mobility (CEIICM)

Main functions

- **Coordination of university international activities;**
- **Provision of information and consultancy to the university academic community for programs, calls, projects and participation opportunities;**
- **Provision of structural information and services to mobile researchers and facilitating the researchers' career development by participation in the establishment of the National Network of Mobile Researchers' Centres as an integral part of the European Network. (former ERA-MORE and EURAXESS for the time being)**



Centre for European Integration, International Cooperation & Mobility (CEIICM)

Staff

- **Assoc. Prof. Nicolay MIHAILOV, PhD** - Vice Rector in European Integration and International Cooperation;
- **Todorka TODOROVA** - Principal expert (coordination, consultancy, CEEPUS Program, EURAXESS LoCP, DRC Secretary);
- **Milena BOGDANOVA** - Senior expert (ERASMUS & ERASMUS MUNDUS Programs);
- **Diana GEORGIEVA** - Expert (information and consultancy, structural funds programs)



UNIVERSITY OF ROUSSE “ANGEL KANCHEV”



ESTABLISHMENT OF THE LoCP

We are going back to *the year 2005*, when the University of Rousse “Angel Kanchev” became a co-partner of the University of Sofia in the EC project FP6-510971-BuIRMCNet. The latter happened after a competition among Bulgarian universities, conducted by the Ministry of Higher Education, Youth and Researchers. The main objectives then were to establish favorable conditions for the development of the researchers’ career by the provision of structural information and services. The basic objective was the establishment of the National Network of Mobile Researchers’ Centres as an integral part of the European Network.



ESTABLISHMENT OF THE LoCP

Since 2005 the Centre for European Integration, International Cooperation & Mobility expanded its functions and started offering directly or indirectly (by contacting the nearest specialized institution that is able to solve the requested assistance) of up-to-date information and personalized services to the mobile researchers and their families, i.e. visas and entering the country conditions; work permits and working opportunities; wages and taxes; pension rights, health and social insurance; accommodation; child care system and schooling; language courses and culture of the receiving country; intellectual property rights.



RESULTS

- **The LoCP was successfully established (Decision of the University Academic Board on the establishment of the EURAXESS LoCP as a part of the Centre for European Integration, International Cooperation & Mobility);**
- **Elaboration of information materials and supply of computer facilities (a well equipped Centre, publishing of electronic materials for mobile researchers);**
- **Contribution to the implementation of the EU Strategy for mobile researchers, but also the more effective participation and promotion activities of the LoCP at national and European conferences and workshops. [International meeting of the Greek, Turkish and Bulgarian Networks of mobile researchers in Thessaloniki, Greece (September 2005); Annual conference of ERA-MORE in Bled, Slovenia (November 2006); National conference on mobile researchers of Sofia University in the frames of FP6-REKS (November 2006); Annual ERA-MORE conference in Barcelona, Spain (March 2007); Annual EURAXESS conference in Potsdam, Germany (March 2009)];**



RESULTS

Thematic seminars were organized by the LoCP, titled “Information for Mobile Researchers” (themes covered: Conditions for entering and stay in Bulgaria; Conditions for entering Bulgaria by a motor vehicle; Health insurance of researchers – Bulgarians and foreigners; Basic issues in the pension insurance in Bulgaria. Social insurance in Bulgaria for foreign citizens and social insurance rights of Bulgarian citizens, working in the EU; Studying opportunities for children of foreign citizens at Bulgarian secondary schools.) and “Mobility of Researchers and Accompanying Activities” (themes covered: Mobility instruments in Bulgaria and in Europe; The Bulgarian industrial property network as a support for the innovations in Bulgaria; Protecting the intellectual property of mobile researchers; The mobility of researchers and the legal labour regulations in Bulgaria);

Additional promotion was carried out via the organization and successful implementation of the seven FP6 & FP7 EU projects REKS,

U*NIGHT, REGGAE, RE*CAME, STAR NIGHT, REACT.



UNIVERSITY OF ROUSSE “ANGEL KANCHEV” OUTGOING MOBILITY OF RESEARCHERS IN THE YEAR 2010

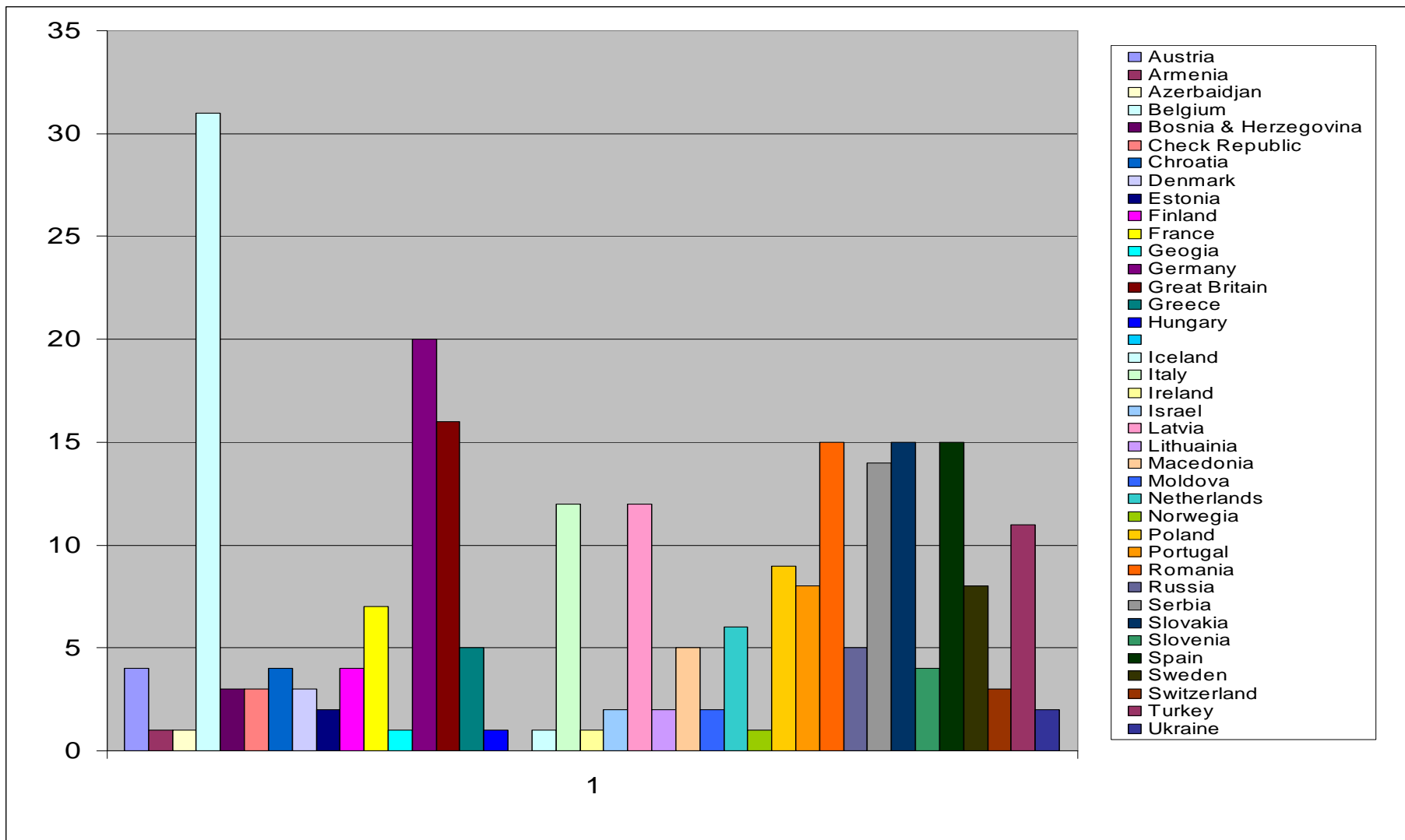


Country	Researchers(number)
Austria	4
Armenia	1
Azerbaijan	1
Belgium	31
Bosnia & Herzegovina	3
Check Republic	3
Chroatia	4
Denmark	3
Estonia	2
Finland	4
France	7
Geogia	1
Germany	20
Great Britain	16
Greece	5
Hungary	1
Iceland	1
Italy	12
Ireland	1

Country	Researchers(number)
Israel	2
Latvia	12
Lithuainia	2
Macedonia	5
Moldova	2
Netherlands	6
Norwegia	1
Poland	9
Portugal	8
Romania	15
Russia	5
Serbia	14
Slovakia	15
Slovenia	4
Spain	15
Sweden	8
Switzerland	3
Turkey	11
Ukraine	2



UNIVERSITY OF ROUSSE "ANGEL KANCHEV" OUTGOING MOBILITY OF RESEARCHERS IN THE YEAR 2010





INCOMING MOBILITY OF RESEARCHERS IN THE YEAR 2010

- **13 lecturing European staff (ERASMUS Program);**
- **22 researchers from Georgia, Armenia and Azerbaidjan (ERASMUS/MUNDUS Program);**
- **12 researchers from Romania, Slovakia, Serbia (CEEPUS Program)**



DIFFICULTIES

- **Insufficient human resources for covering of all the activities both, of CEIICM and of EURAXESS;**
- **Insufficient financial motivation, both of LoCP staff and of the researchers.**



UNIVERSITY OF ROUSSE "ANGEL KANCHEV"



THANK YOU FOR YOUR ATTENTION!

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