



Erasmus Mundus



MACRO-LEVEL ANALYSIS

EU – Russia

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Legal basis for R&D cooperation between EC and the Russia

- EU-Russia *Partnership & Cooperation Agreement*,
 - Euratom-Russia *Cooperation Agreement in Nuclear Fusion*, Euratom-Russia *Cooperation Agreement in Nuclear Safety*,
 - Road-map for the *Common EU-Russia Space in Research, Education & Culture*
- **No legal basis for specific cooperation in science and technology with EU at the moment (last agreement expired in February 2009)**



Legal basis for R&D cooperation between EC and the Russia

- most successful “third-country” in FP6
- as co-called International Cooperation Partner Country (ICPC) Russia is eligible to participate in FP7 Programme



Main programmes investigated for the purpose of macro analysis

FP5, FP6, FP7

INTAS

INTERREG

EUREKA



Main trends observed

- the cooperation focuses mainly on following R&D areas:
 - 3c (environment and climate),
 - 3a (industry and industries technologies)
 - 3e (biology and medicine)

- the prevailing type of funding source - funding provided by European funds

- among Russian HEI, the most active role played by various research institutes of Russian Academy of Science



Projects chosen for qualitative analysis - **DIRAC PHASE 1**

Interview conducted with the project coordinator Dr Jurgen Eschke on Tuesday 3rd March 2009

Programme: FP6

Aim of the project:

- Construction stage 1 of the International Accelerator Facility, Darmstadt Ion Research and Antiproton Centre

Total budget: 100 mln euro

Russian HEI:

- Institute for Nuclear Research of the Russian Academy of Science
- Institute of High Current Electronics Sb Ras
- Budker Institute of Nuclear Physics



DIRAC PHASE 1 – IP issues

- ❑ IP clauses required by Consortium Agreement
- ❑ standard IP clauses were not extended since it was not considered necessary
- ❑ no IP subject generated



Projects chosen for qualitative analysis – **MINIGAS**

Interview conducted with the project coordinator Dr Pentti Karioja on Monday 9th March 2009.

Programme: FP7

Aim of the project

- To create high-sensitivity gas sensors measure the presence of trace gases

Total budget: 2, 77 mln euro

Russian HEI

- A.F.Ioffe Physical-technical Institute of RAS (part of Russian Academy of Science)



MINIGAS – IP issues

- every aspects of IP was considered at the beginning of the project, like ownership, costs of protection, future commercialization
- standard IP clauses in Consortium Agreement have been developed.
- the Exploitation Committee has been established where all partners have their representatives in order to settle the IP issues
- IP results generated: copyrightable results, secret know-how, inventions
- three PCT patent applications are pending (but these relates to the knowledge brought to the project by one of private companies)



Projects chosen for qualitative analysis - **MERCURY**

Interview conducted with the project coordinator Dr Natalya Moshnyagul on Friday 6th March 2009.

Programme: TEMPUS

Aim of the project

- Improvement of Research and Entrepreneurial University models in the Russian, Ukrainian and Moldavian Higher Education; structural reforms in University Knowledge protection and management

Total budget: 812 772 € mln euro

Russian HEI

- Committee for Science and Higher Education of the Government of St. Petersburg



IP results

- IP issues are subject of the project (IP managment in HEI)
- generated copyright protectable results



General conclusions from qualitative analysis

- no problems encountered in cooperation with Russian HEIs
 - increasing cooperation with Russian partners

- low financial contribution of Russia in projects

- problems with „open questions“



Conclusion on IP management

- ❑ not always the results generated were protected by IPR (project DIRAC), even that IPR results are part of the aimed results of the projects
- ❑ Where IPR is considered, no major problems with IP management have been experienced during the project implementation
- ❑ project MINIGAS may constitute a good example of R&D project in Energy filed where the IP issues play significant role
- ❑ project Mercury might be interesting due to special focus on IP management at HEIs (outputs of this project may be useful for the IP-Unilink general aims)

