



IP-Unilink



THE MACRO-LEVEL ANALYSIS

ALEXANDRA MAYR
UNIVERSITY OF ALICANTE
OCTOBER 2010

Objectives



To analyse EU-BRIC R&D co-operation initiatives involving higher education institutions in EU and BRIC countries, to:

- ✦ Identify information sources on R&D and BRIC HEI co-operation
- ✦ Identify main sectors and areas of co-operation and sources of funding
- ✦ Identify most active partners (countries, institutions)
- ✦ Explore IPR practices in EU-BRIC projects (case studies)

Research Questions



- What are the political and legal frameworks relevant for EU-BRIC cooperation?
- What are the priority areas of R&D cooperation?
- Which EU countries and institutions are cooperating most with BRIC?
- What are the main funding sources and programmes promoting co-operation?
- What are factors that support or hinder co-operations?
- How are IPR issues managed in cooperation projects?

Methodology



- Quantitative

Analysis of data sources in view of information regarding EU – BRIC cooperation initiatives

- ✦ Cordis database, BRIC databases, official EC and BRIC governmental institutions websites

- Qualitative

Case studies: particularities of the cooperation projects (e.g. partners, funding sources, limitations, communication, management of IPR)

- ✦ 3-5 projects per BRIC country interviews (questionnaire)

Output: Report



Trends in R&D cooperation among EU and BRIC countries' higher education institutions

RESULTS OF THE MACRO-LEVEL ANALYSIS OF THE IP-UNILINK PROJECT

www.ip-unilink.net/publications

Output: Report



- ✓ FRAMEWORKS FOR COOPERATION
 - Political relations and agreements
 - Programmes promoting and funding co-operation
 - Priorities for research and international co-operation
- ✓ MOST ACTIVE PLAYERS IN EU-BRIC CO-OPERATION
 - Countries and institutions
- ✓ MAIN AREAS AND TYPES OF CO-OPERATION
- ✓ SOURCES OF FUNDING
 - EU, Member States, BRIC country
- ✓ LINKS AND INFORMATION SOURCES
- ✓ CASE STUDIES



Overall Findings



✓ GENERAL TRENDS IN EU-BRIC CO-OPERATION

- Political relations and agreements - EU Agreements on cooperation in S&T, Action Plans, Road-maps; EU Member States
- Cooperation among HEIs increasing and more structured
- Partners - range of institutions from the BRIC countries
- Funding - determines areas of cooperation
- IPR - increasingly important, depending on the area of cooperation

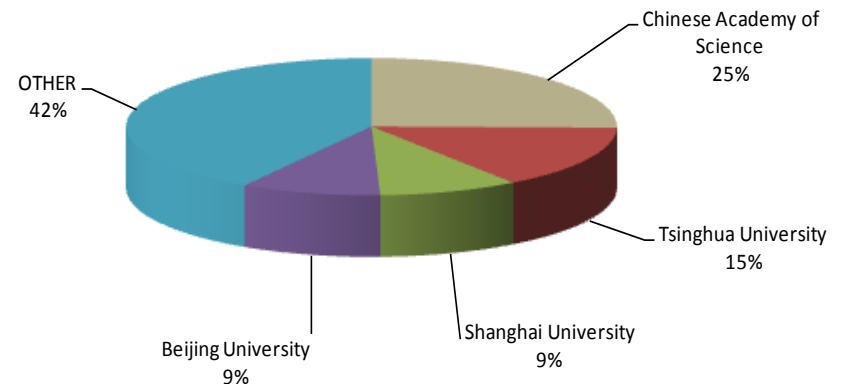


Overall Findings



- ✓ **MOST ACTIVE PLAYERS IN EU-BRIC CO-OPERATION**
 - **COUNTRIES:** United Kingdom, Germany, France, Netherlands, Italy
 - **HIGHER EDUCATION AND RESEARCH INSTITUTIONS:**
 - ✦ **BRAZIL:** Oswald Cruz Foundation, Federal University of Santa Catharina, University of Sao Paulo, University of Campinas
 - ✦ **RUSSIA:** Russian Academy of Science, Kaliningrad State University, Petrozavodsk State University, Saint Petersburg State University, Moscow State University
 - ✦ **INDIA:** Technology Institutes (IITs), University of Delhi, University of Agricultural Sciences, Jawaharlal Nehru University
 - ✦ **CHINA:** Acedemy of Science, Tsinghua University, Shanghai University

Most Common Chinese Partners in R&D Cooperation with the EU



Overall Findings



✓ SOURCES OF FUNDING & PROGRAMMES

- EUROPEAN UNION:
 - ✦ Research Framework Programme – FP7
 - ✦ Erasmus Mundus, ALFA, Tempus, AsiaLink
- EU MEMBER STATES:
 - ✦ Germany: DAAD, Helmholtz, Alexander von Humboldt
 - ✦ French National Research Centre (CNRS), Committees, National Institutes
 - ✦ Spain: Iberoamerican Development Programme for S&T (CYTED)
 - ✦ Netherlands: NUFFIC, UK: Research Council
- BRIC COUNTRIES' PROGRAMMES:
 - ✦ BRAZIL: Federal Agency for Support & Evaluation of Graduate Education (CAPES)
 - ✦ RUSSIA: Russian Foundation for Basic Research, Russian Federal Agency for Science and Innovation (FASI)
 - ✦ INDIA: International Technology Transfer Programme (India), The S&T International Co-operation Division -Ministry of Science and Technology
 - ✦ CHINA: Research Fellowship for International Young Scientists

THANK YOU FOR YOUR ATTENTION



**Download the Macro-Report at:
www.ip-unilink.net/publications**



ALEXANDRA MAYR
Project Manager
University of Alicante
Spain
Alexandra.Mayr@ua.es