

Science in Armenia: View from inside and outside

Dr. Shushanik Sargsyan

**PhD, Head of the Center for Scientific Information Analysis and Monitoring
Institute for Informatics and Automation Problems of NAS RA**

Lecturer at Yerevan State Medical University after M. Heratsi

September 26 – 29, 2018

Yerevan, Armenia

Establishment

- **Established in January 2010 by the Science Committee and NAS RA.**
- **Center is within the Institute for Informatics and Automation Problems of NAS RA**

Mission

Elaboration of a system to analyze Armenian scientific potential

**Unification and Integration of the
Armenian Science
into the World Science Market**

**Data collection and
Processing**

**Data statistics and
Analysis**



Research and Forecasting

ADVISORS



Wolfgang Glänzel
International Scientific Adviser



Viktor Blaginin
International Scientific Adviser



Alexan Shahkhatuni
Local Scientific Adviser



Arman Aleksanian
IT Adviser



Shushanik Sargsyan
Head of the Center

CORE TEAM



Edita Gzoyan
Deputy-Head of the Center



Aram Mirzoyan
Senior Researcher



Aram Mailyan
Senior Researcher



Susanna Mkrtychyan
Senior Researcher



Simon Hunanyan
Researcher



Mariam Mehrabyan
Junior Researcher



Anush Sargsyan
Junior Researcher



Arevik Manukyan
Junior Researcher

ACTIVITIES

- Study and monitoring of science in Armenia
- Provide statistical, methodological and analytical information about science in the Republic of Armenia
- Elaborate methodology for statistics in the field of science, assessment, analysis and forecasting of scientific potential
- Import and development of Scientometrics as a separate science sub-field in Armenia
- Calculate Impact Factors for the Journals published in Armenia
- Develop the Armenian Science Citation Index

Collaboration



Products

- 20 Scientific Papers
- 7 Scientific-Analytical Bulletin



ArmJIF for National Journals

JOURNALS

The subject fields of journals are classified into 15 fields according to Glänzel & Schubert[2003]



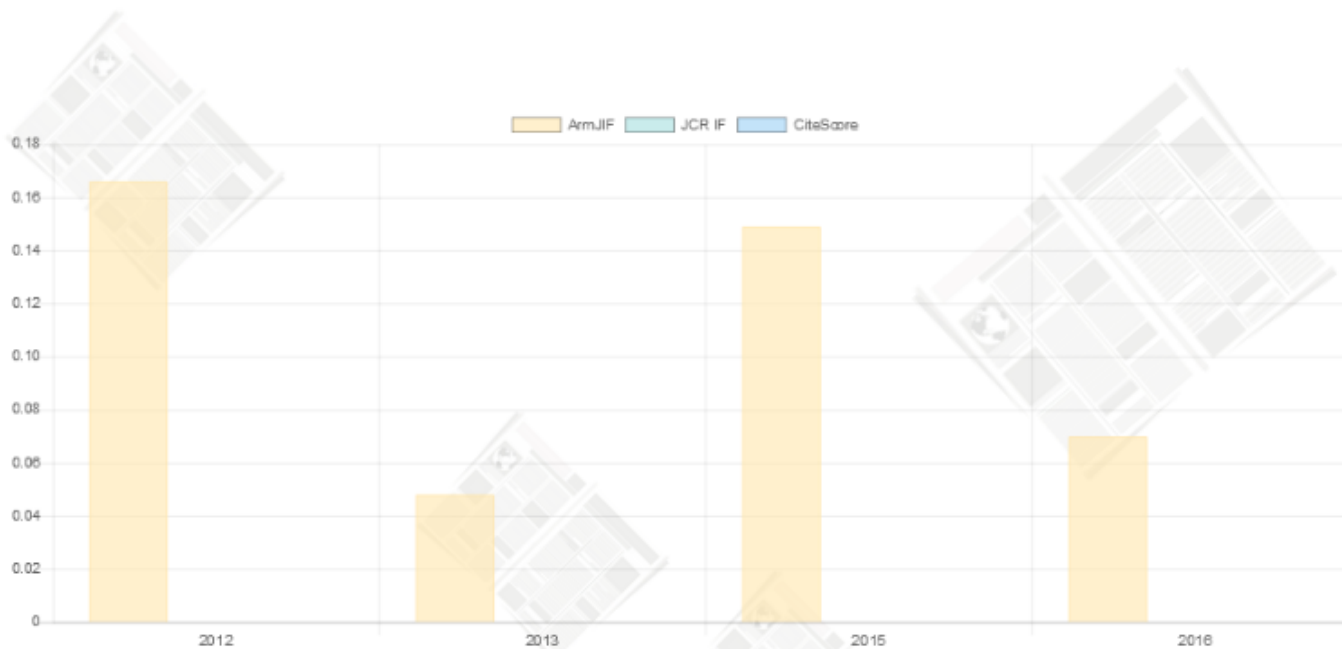
Banber- Bulletin of Yerevan university. International Relations, Political Science

Chief Editor - Mirzoyan H. G.

ISSN(print): 1829-4529

Subject Category - [Social Sciences II \(Economic & Political Issues, History & Law\)](#)

Website - <http://ysu.am/science/hy/1526645570>



Armenian journals in Web of Science и Scopus

WOS	Scopus
<i>Astrophysics</i>	<i>Astrophysics</i>
<i>Journal of Contemporary Physics- Armenian Academy of Sciences</i>	<i>Journal of Contemporary Physics- Armenian Academy of Sciences</i>
<i>Journal of Contemporary Mathematical Analysis-Armenian Academy of Sciences</i>	<i>Journal of Contemporary Mathematical Analysis-Armenian Academy of Sciences</i>
<i>New Armenian Medical Journal</i> (Emerging Sources Citation Index)	<i>New Armenian Medical Journal</i>
Wisdom (Emerging Sources Citation Index)	

Armenian Science Citation Index

Time period since 2007

Publications - about 17000

References – about 175000



INTERNATIONAL SUMMER SCHOOL MODERN TRENDS IN SCIENCE: SCIENTOMETRICS

[ABOUT US](#)

[SCIENTIFIC PROGRAMME](#)

[REGISTRATION](#)

[CONTACT US](#)



AUGUST 6-7
2014
YEREVAN

We are delighted to cordially invite you to join us for the "Modern Trends in Science: Scientometrics" summer school. Our summer school is held to present the essence of Scientometrics, its role and importance in scientific world, as well as its modern developments. The target group of this summer school will be young scientists from Armenia and abroad from all fields of science. The international experience in Scientometrics will contribute to the scientific development in Armenia.



Center for Scientific
Information Analysis and
Monitoring



Institute for Informatics and
Automation Problems
(IIAP)



State Committee of Science



Armenian Academy of
Sciences



2nd INTERNATIONAL SUMMER SCHOOL

MODERN TRENDS IN SCIENCE: SCIENTOMETRICS

[ABOUT US](#)[SCIENTIFIC PROGRAMME](#)[PROGRAM COMMITTEE](#)[REGISTRATION](#)[LECTURERS](#)[PHOTO GALLERY](#)[CONTACT US](#)

SEPTEMBER 26-29
2018
YEREVAN

We are happy to announce about our Second International Summer School on Scientometrics that will be held in Yerevan, Armenia from September 26-29. This year program will offer an introduction to basic concepts of Scientometrics/Bibliometrics, lectures on different aspects of the topic, as well as practical sessions on how to use different scientific databases. We will have lecturers from Belgium, Italy, Russia and, of course, Armenia. We invite you to join us for this fascinating event.



State Committee of Science



Institute for Informatics and
Automation Problems (IIAP)



National Academy of Sciences



Center for Scientific Information
Analysis and Monitoring

RA-EAEU Scientific Collaboration

- **The aim** of this research is to quantitatively analyze international collaboration publication output of the Republic of Armenia with the Eurasian Economic Union member-states based on the databases of WOS CC and RSCI.

Databases

- **Web of Science Core Collection (WOS CC)**

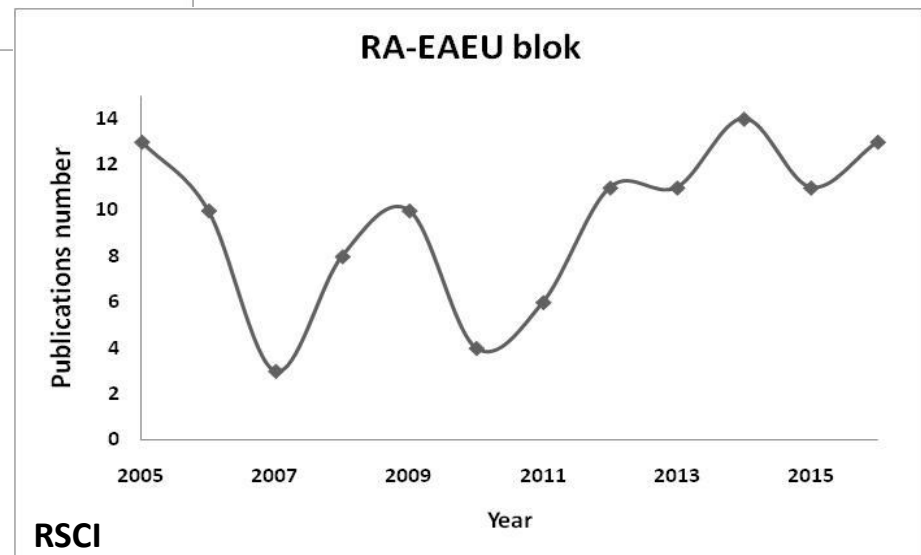
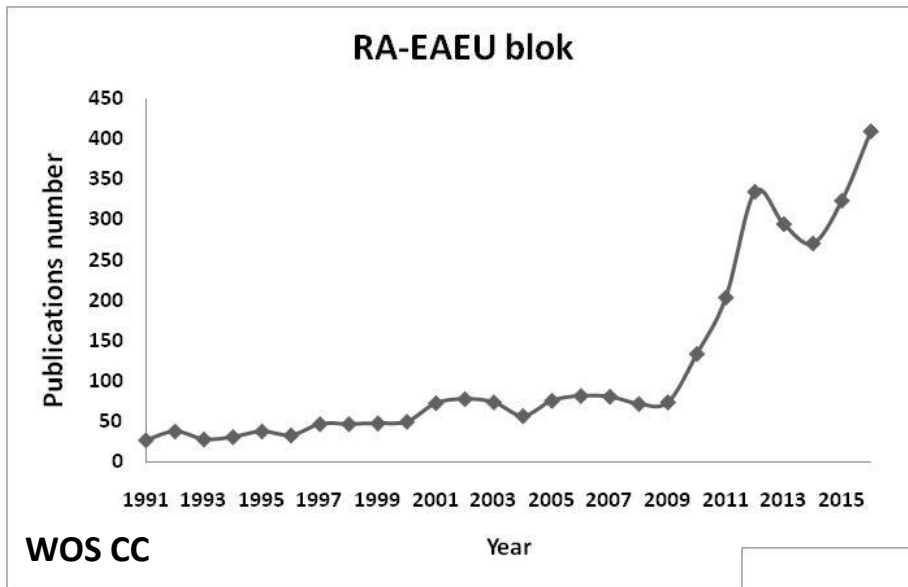
Document type - articles, proceeding papers, notes, letters, reviews, meeting abstracts

- **Russian Science Citation Index (RSCI)**

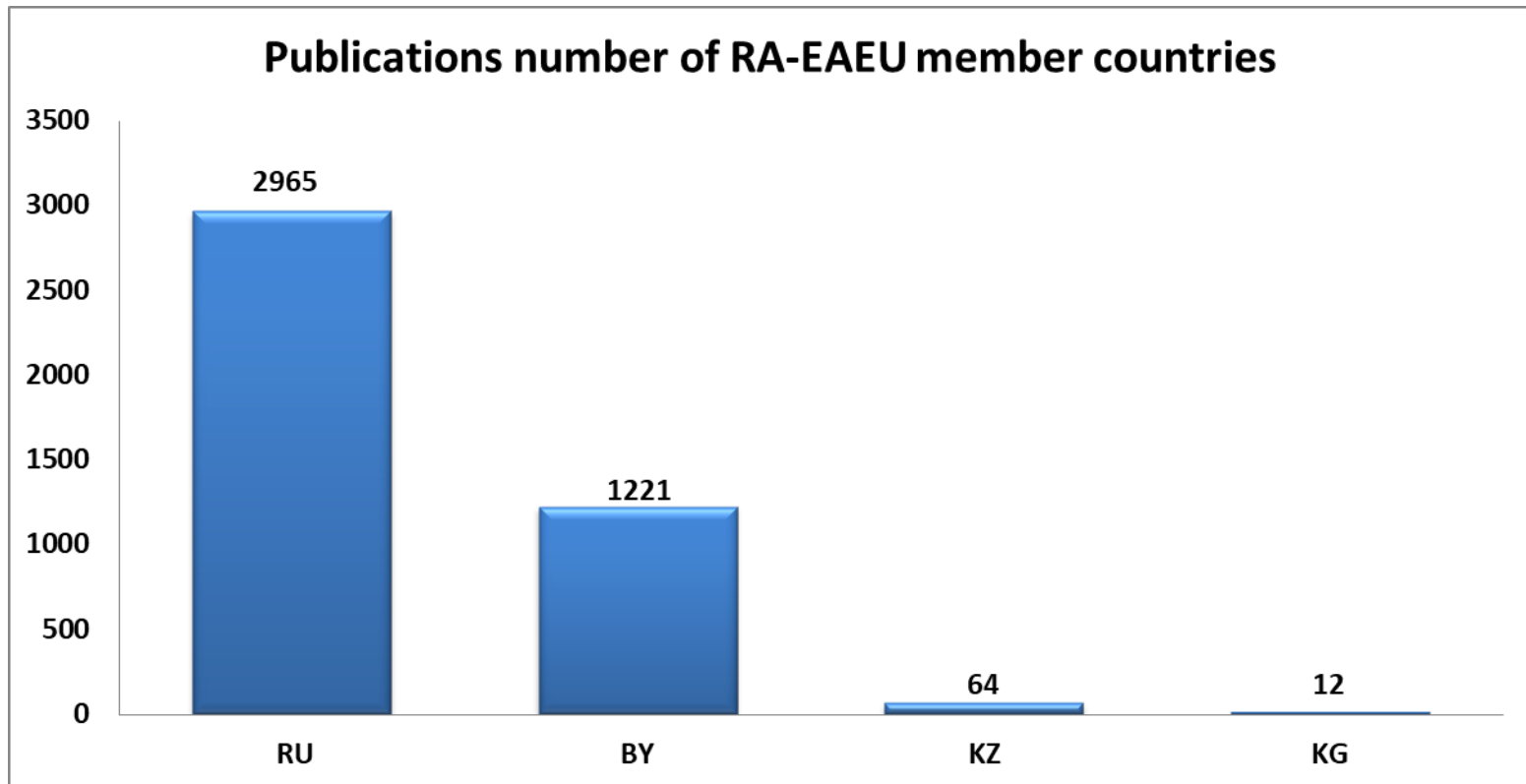
Document type - Article, Letter, Meeting, Other, Review

- **Time period:** 1991-2016 for WOS CC
2005-2016 for RSCI

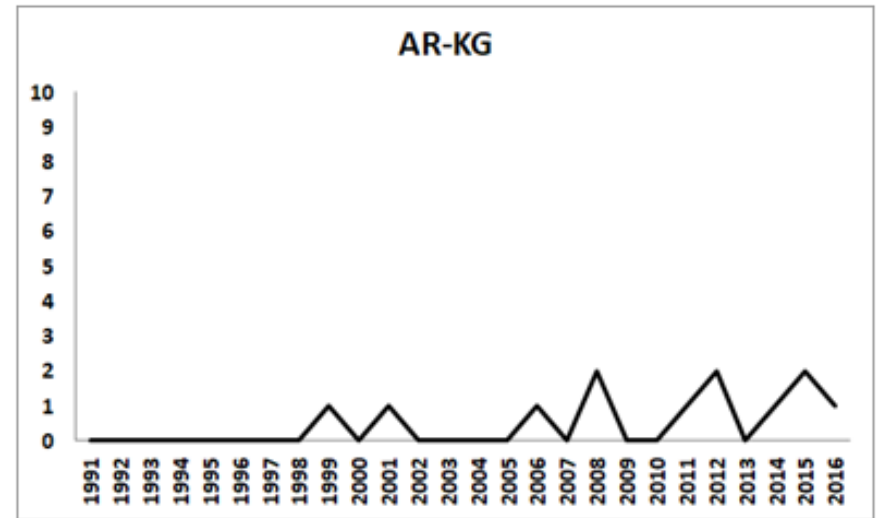
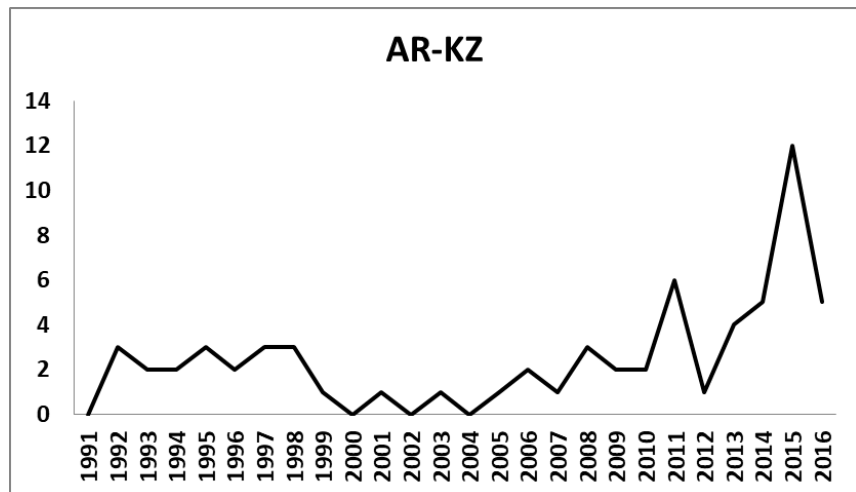
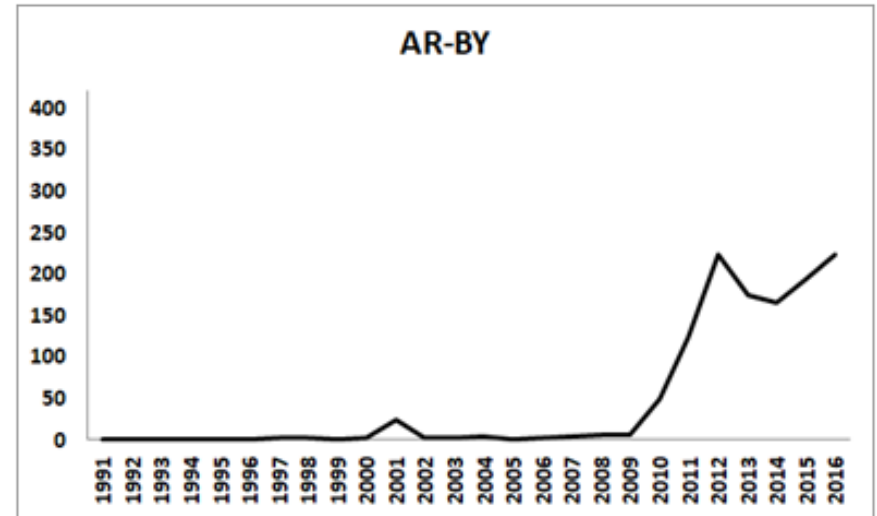
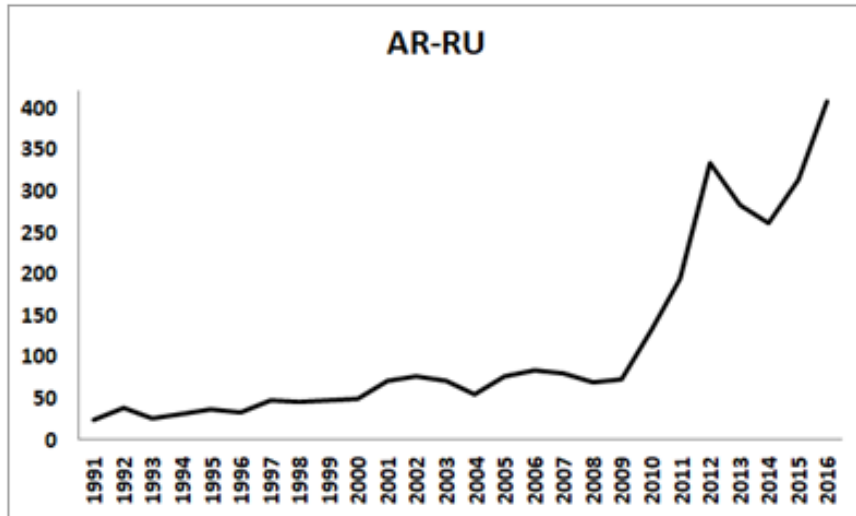
Dynamics of RA-EAEU collaboration



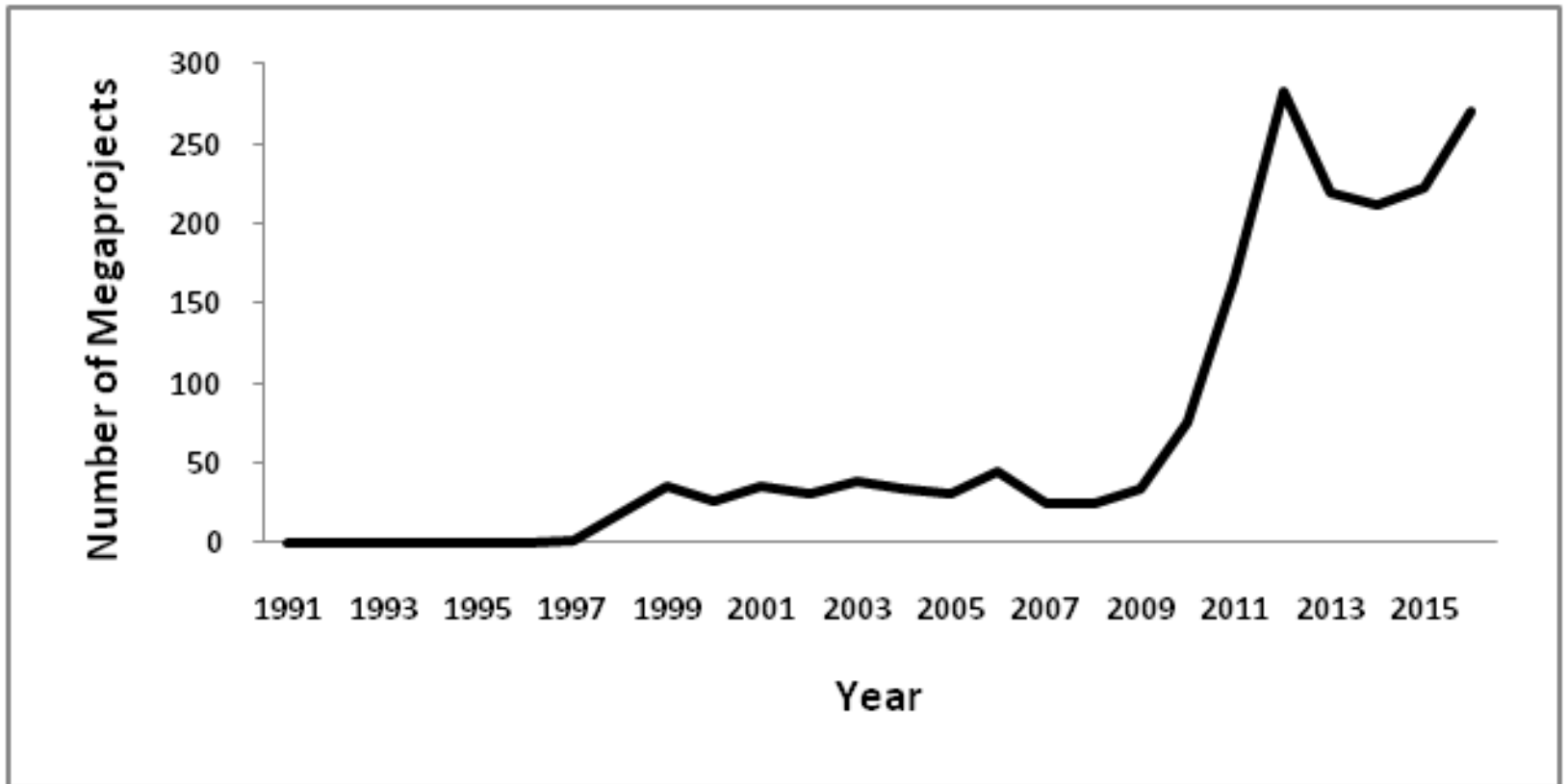
Publications number of RA-EAEU (WOS CC)



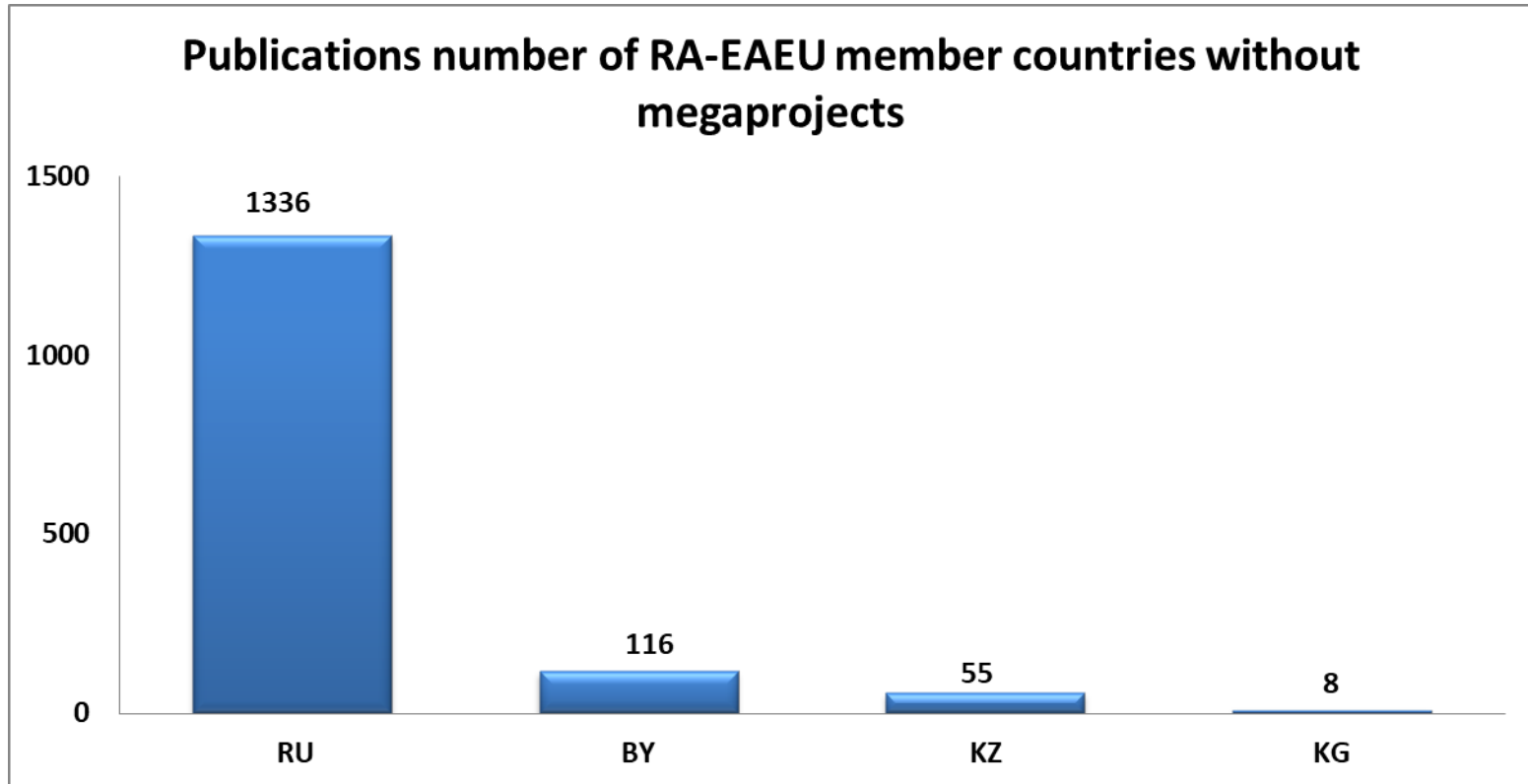
Publications number RA-EAEU member states (WOS CC)



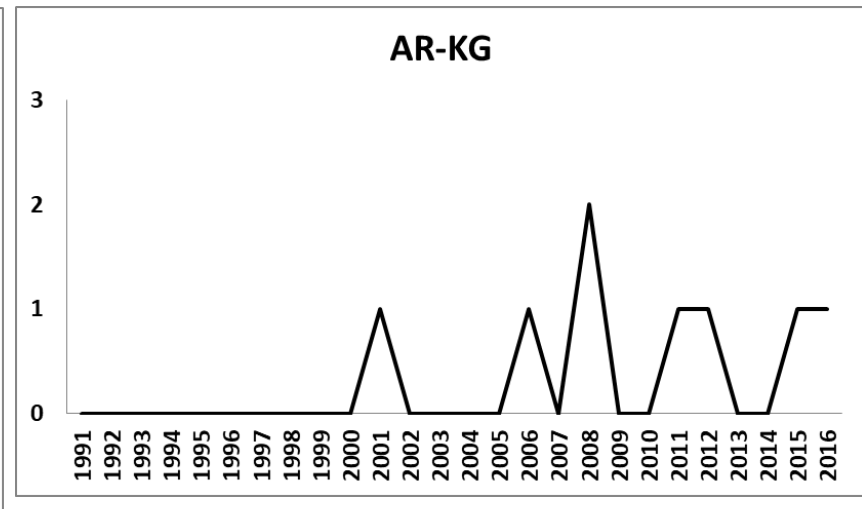
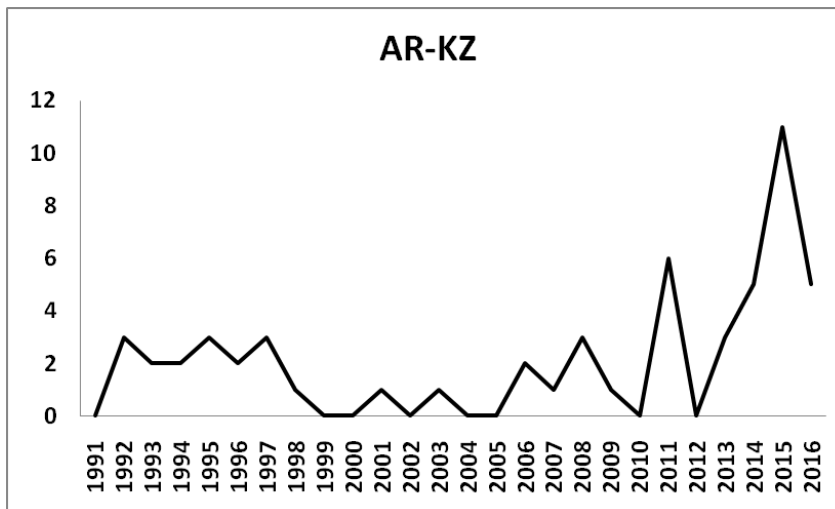
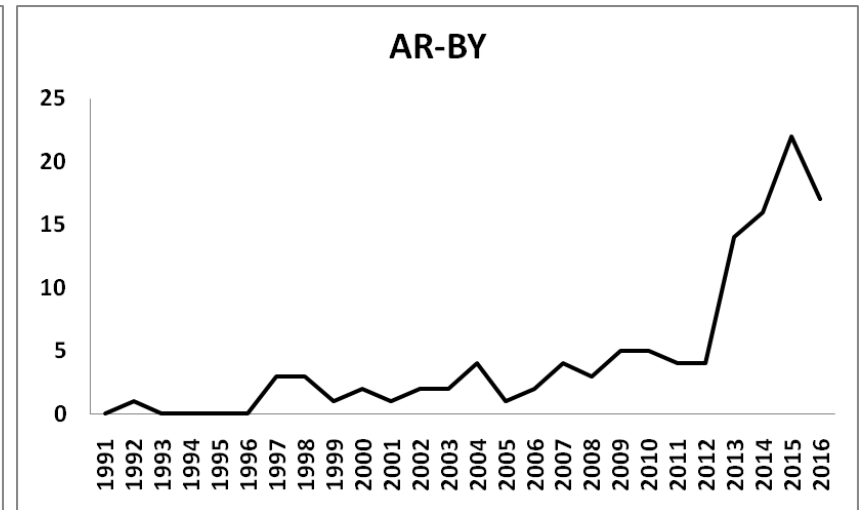
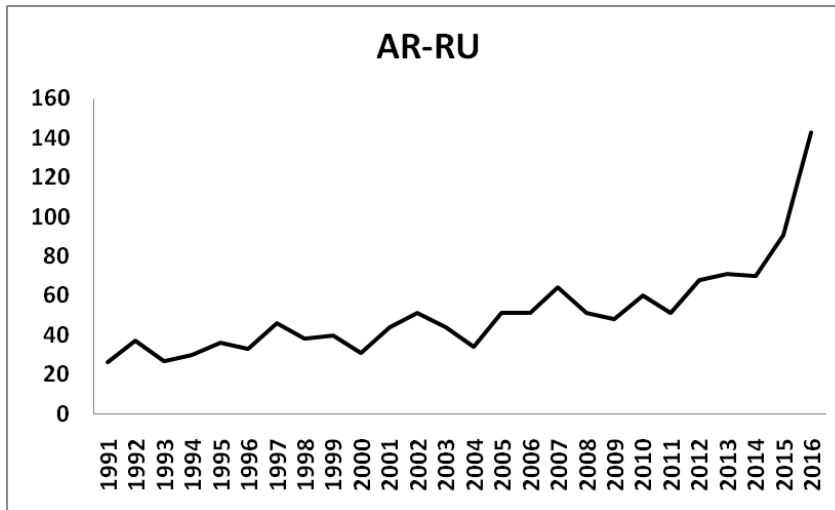
Megaprojects (WOS CC)



WOS CC



Publications number RA-EAEU member states without Megaprojects (WOS CC)

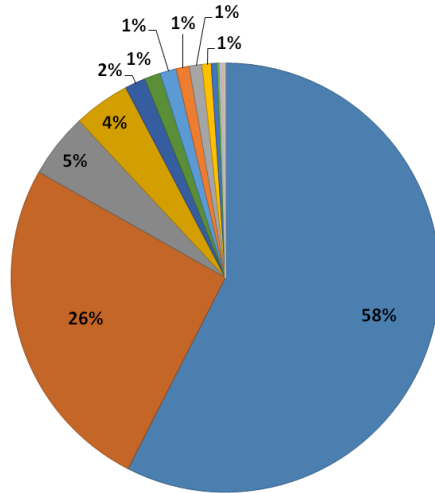


Quantitative data on joint bilateral grants

Конкурс	Год	Подано заявок (рассмотрено)	Поддержано
ГКН РА – РФФИ	2013–2015	127 (121)	17
ГКН РА – РФФИ	2015–2017	91 (89)	25
ГКН РА – РГНФ	2012–2014	7 (7)	4
ГКН РА – РГНФ	2014–2015	14 (11)	8
ГКН РА - БРФФИ	2011-2013	30 (27)	17
ГКН РА - БРФФИ	2013-2015	36 (34)	17

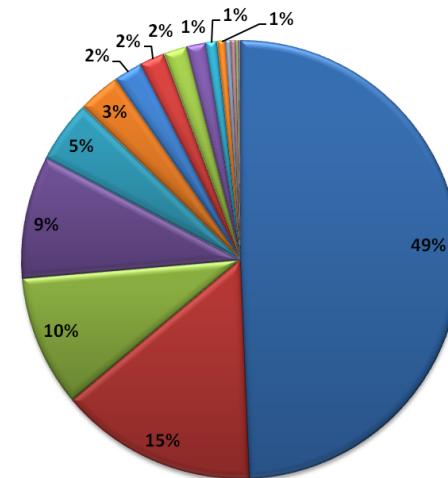
Glänzel & Schubert subject fields classification (WOS CC)

RA-EAEU blok



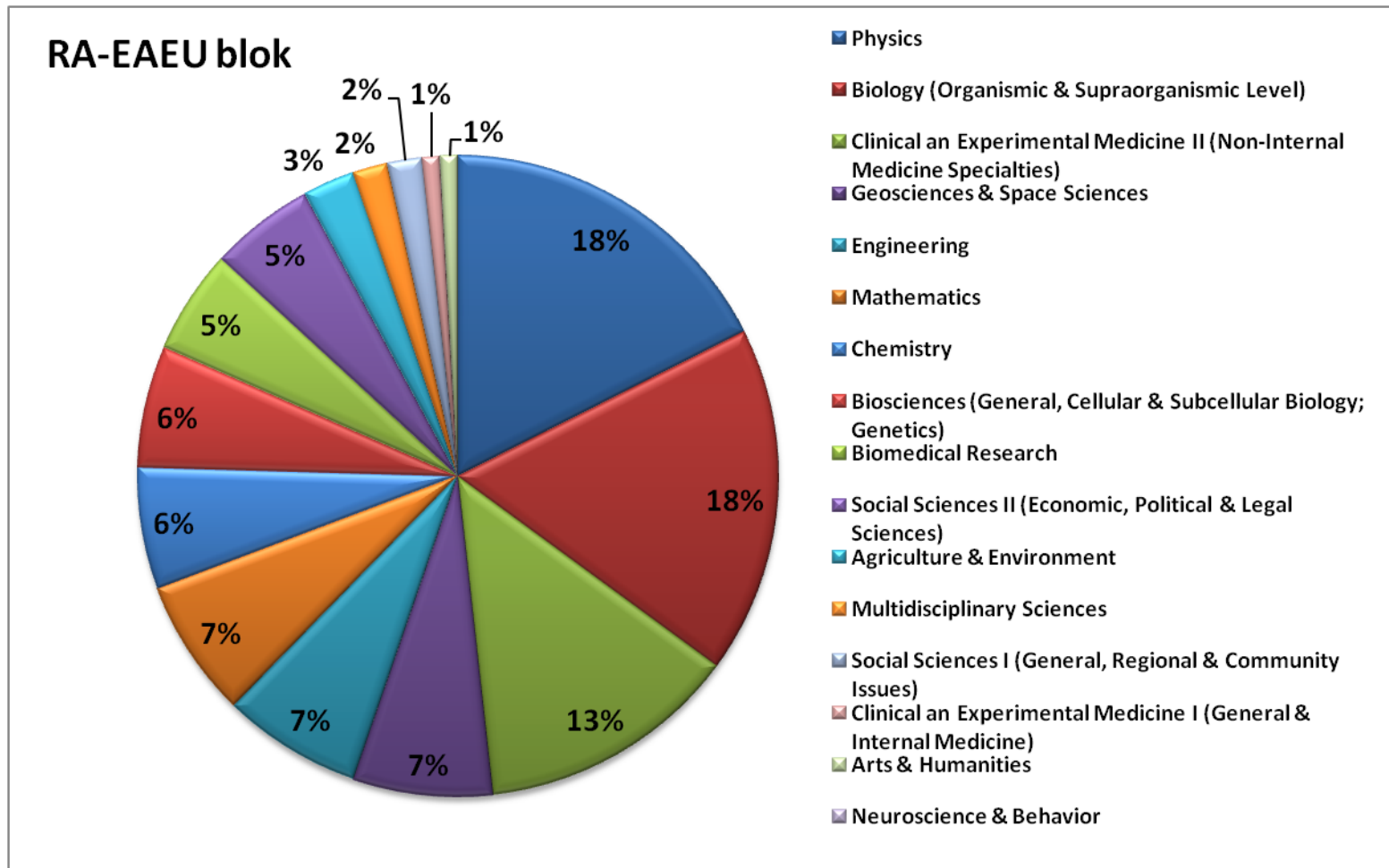
- Physics
- Geosciences & Space Sciences
- Chemistry
- Biosciences (General, Cellular & Subcellular Biology; Genetics)
- Biology (Organismic & Supraorganismic Level)
- Multidisciplinary Sciences
- Engineering
- Clinical an Experimental Medicine II (Non-Internal Medicine Specialties)
- Clinical an Experimental Medicine I (General & Internal Medicine)
- Mathematics
- Social Sciences I (General, Regional & Community Issues)
- Agriculture & Environment
- Neuroscience & Behavior
- Biomedical Research
- Arts & Humanities

RA-EAEU blok without megaprojects



- Physics
- Geosciences & Space Sciences
- Chemistry
- Biosciences (General, Cellular & Subcellular Biology; Genetics)
- Engineering
- Biology (Organismic & Supraorganismic Level)
- Multidisciplinary Sciences
- Clinical an Experimental Medicine II (Non-Internal Medicine Specialties)
- Clinical an Experimental Medicine I (General & Internal Medicine)
- Mathematics
- Agriculture & Environment
- Neuroscience & Behavior
- Biomedical Research
- Social Sciences I (General, Regional & Community Issues)
- Arts & Humanities

Glänzel & Schubert subject fields classification (RSCI)



Conclusions

- Russia is the main scientific partner within the EAEU, followed by Belarus, with whom the number of scientific papers is about 2.5 times lower. One of the factors contributing to this is the state joint scientific grant projects with Russia and Belarus.
- Cooperation with other EAEU member-states are quite weak and major and systematic steps are necessary to build these ties.

Conclusions

- The main scientific field of collaboration is physics, meanwhile chemistry and biology shows quite good progress, also.
- It is still very early to assess the role of EAEU in the development of scientific cooperation among the member states, as the organization is very young.
- However, in case of systematized policy in the field, there are the necessary basis for deep scientific cooperation.

Center for Scientific Information Analysis and Monitoring

**Address: 1P. Sevak str.
0014 Yerevan, Armenia**

Tel: (+374 60) 62 35 53

Fax: (+374 10) 28 20 50

E-mail: csiam@ipia.sci.am

www.csiam.sci.am