



EDUCATIONAL RESEARCH IN AZERBAIJAN: CHALLENGES AND POSSIBLE SOLUTIONS

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AGENDA

- **Problem**
- **Stakeholders**
- **Findings**
- **Recommendations**



What is the *problem*



What is the problem?

Limited educational research output of
Azerbaijani researchers
in impact journals



How do we know the
problem *exists*



HOW DO WE KNOW THE PROBELM EXISTS?

Bibliographic Science Metrics



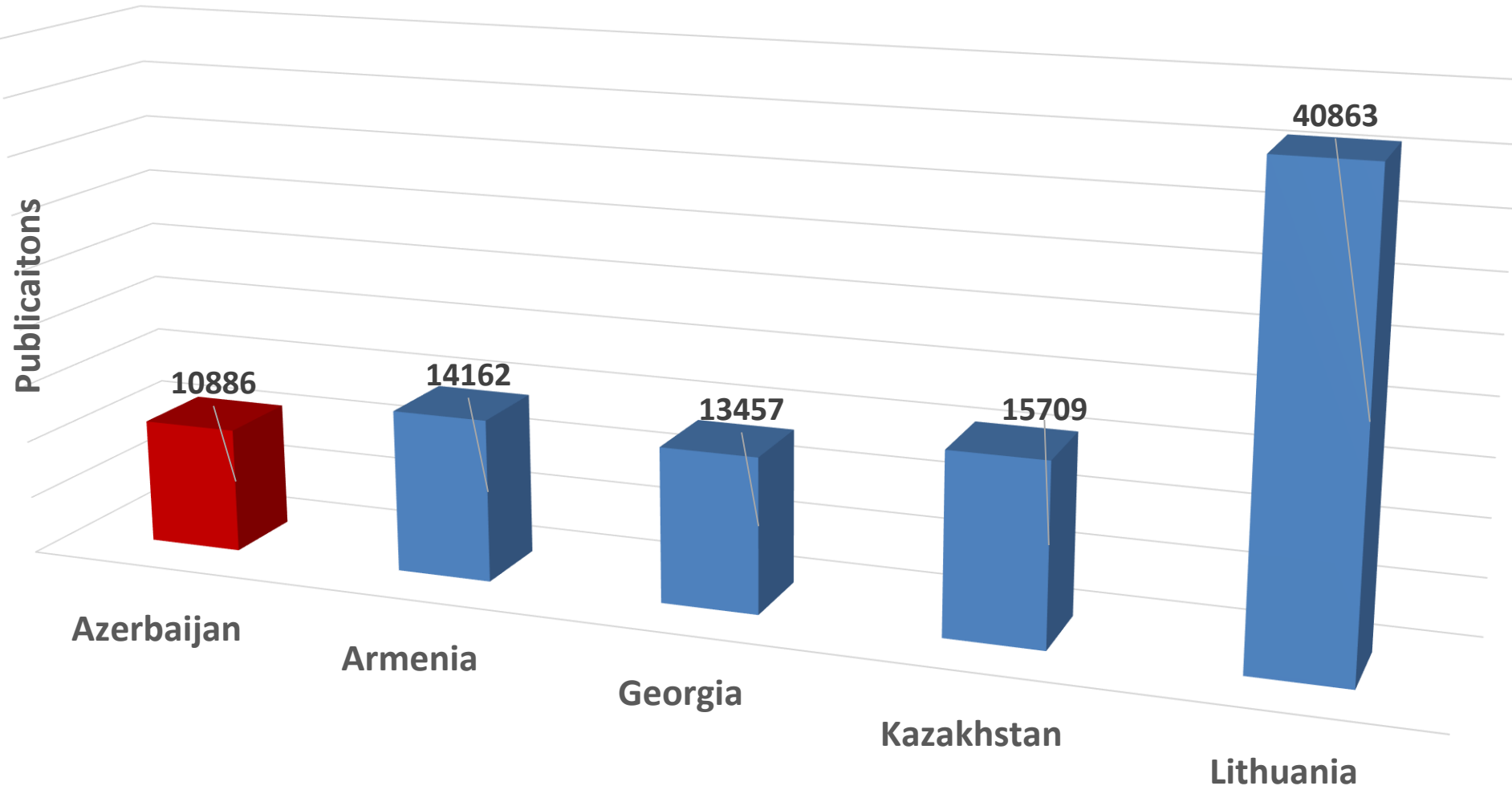
WEB OF SCIENCE™



SCImago
Journal & Country
Rank

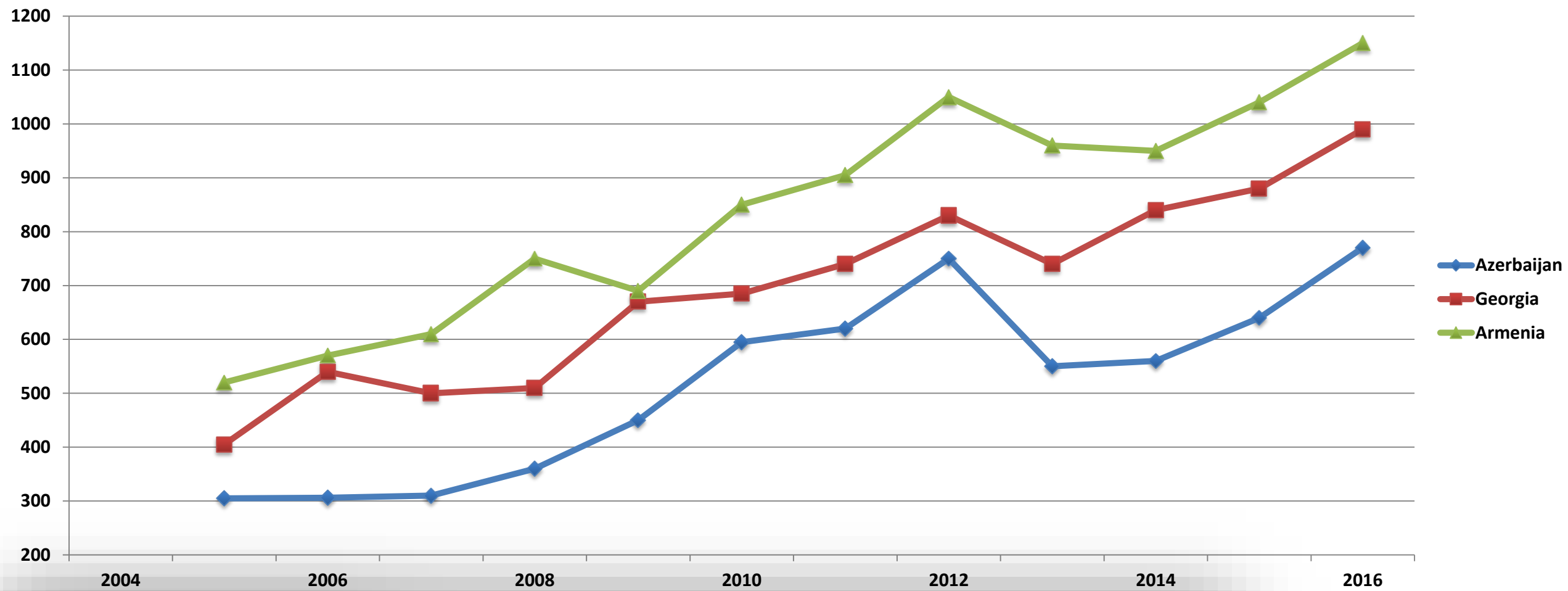


TOTAL NUMBER OF PUBLICATIONS (1996-2016)





COMPARISON WITH NEIGHBORING COUNTRIES - WEB OF SCIENCE (2005-2016)



Indicators: Web of Science Documents.
Location: Azerbaijan, Armenia, Georgia.
Time period: 2005-2016
InCites dataset updated April 28, 2018. Includes Web Science content indexed through Feb 27, 2018, Export date: May 7, 2018



Scientifically *Lagging*

Afghanistan

Azerbaijan

Burkina Faso

Kyrgyzstan

Libya

Mozambique

Palestine

Sudan

Somalia

Syria

Tajikistan

Scientifically *Aspiring*

Jordan

Kuwait

Oman

UAE

Uganda

Algeria

Uzbekistan

Kazakhstan

Scientifically *Developing*

Turkey

Iran

Egypt

Malaysia

Pakistan

Nigeria

Saudi Arabia

Morocco.

Scientifically *Advanced*

Japan

South Korea

Taiwan

Russia

Australia

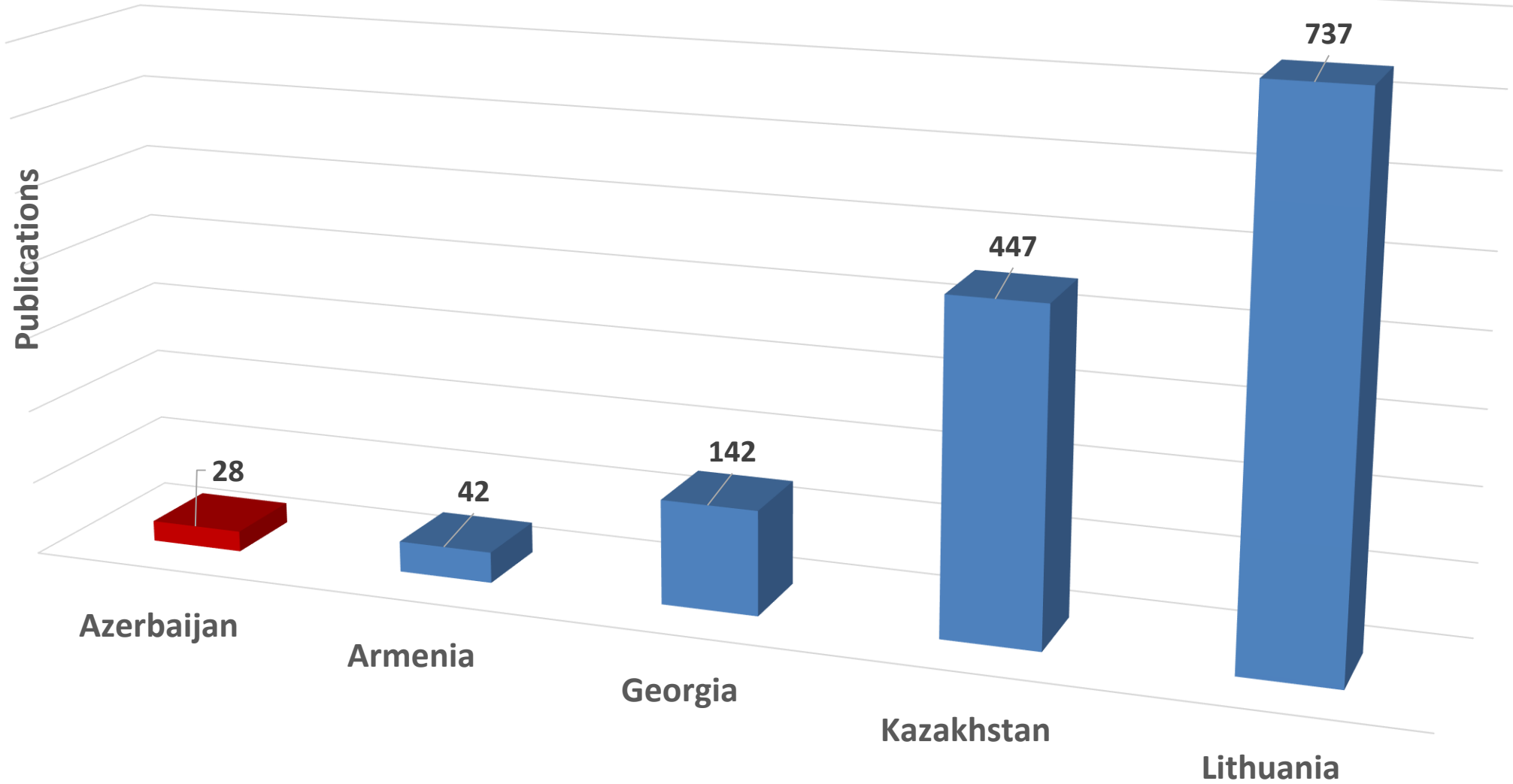
Israel

Western Europe

North America

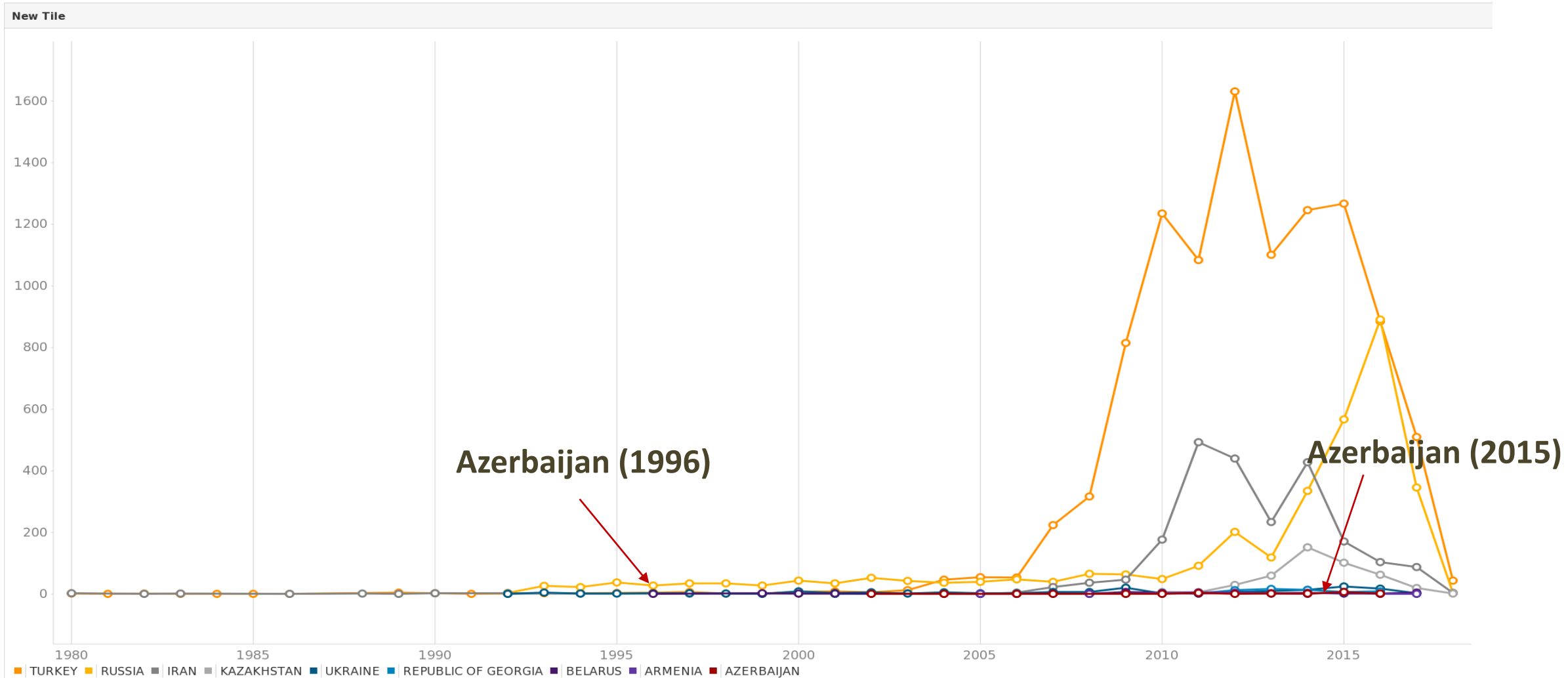


NUMBER OF PUBLICATIONS IN THE FIELD OF EDUCATION (1996-2016)





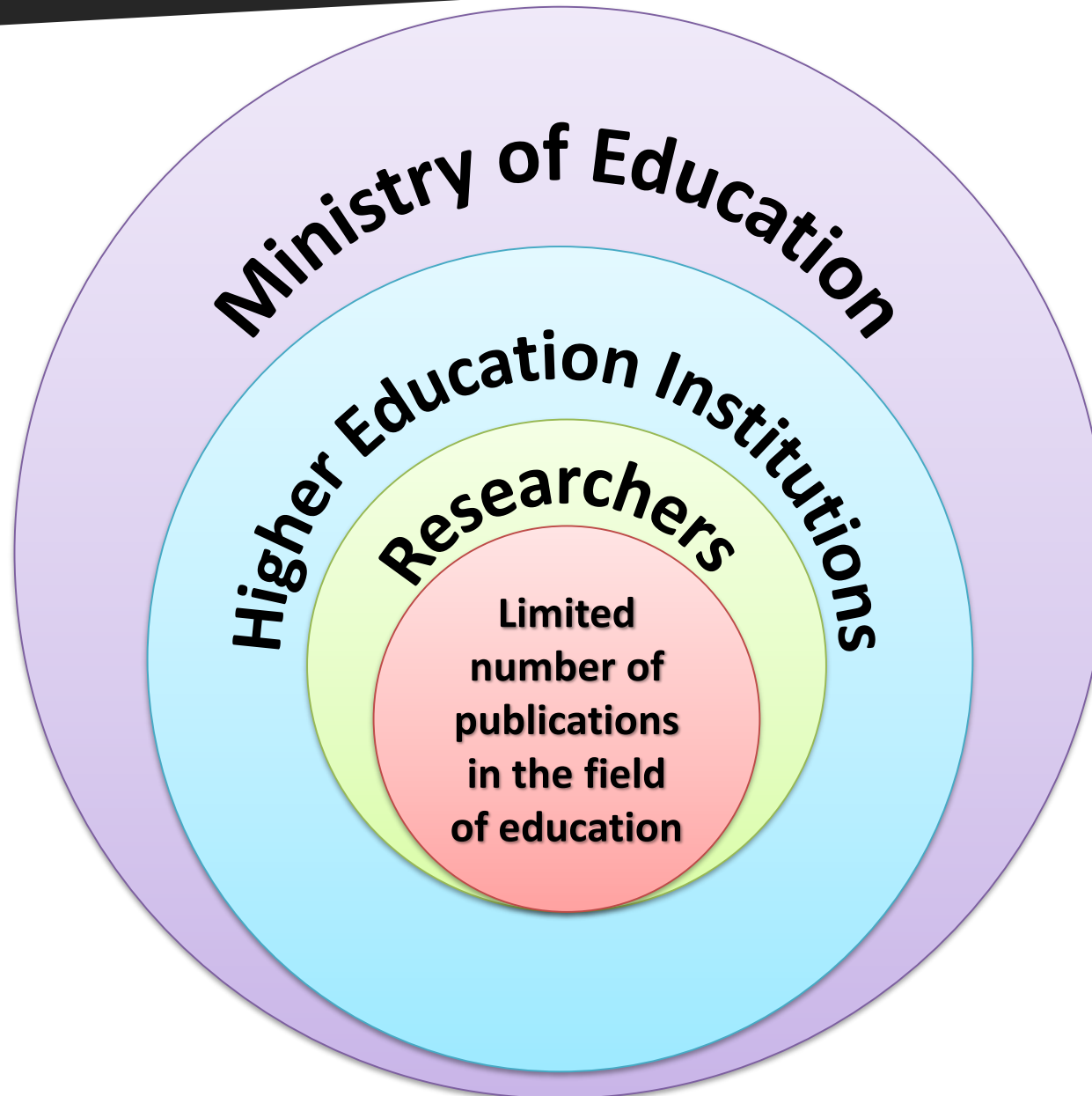
COMPARISON OF EDUCATION RESEARCH OUTPUT WITH OTHER COUNTRIES – WEB OF SCIENCE (1992-2018)



Indicators: Web of Science Documents. **Location:** AZERBAIJAN, RUSSIA, REPUBLIC OF GEORGIA, ARMENIA, TURKEY, IRAN, KAZAKHSTAN, UKRAINE, BELARUS. **Location Type:** Country/Region. **Schema:** Web of Science. **Research Area:** EDUCATION & EDUCATIONAL RESEARCH
InCites dataset updated Apr 28, 2018. Includes Web of Science content indexed through Feb 27, 2018. Export Date: May 7, 2018.



STAKEHOLDERS AFFECTED BY THE PROBLEM





Desk Research



Interviews



Surveys





LIMITATIONS



Time Constraint

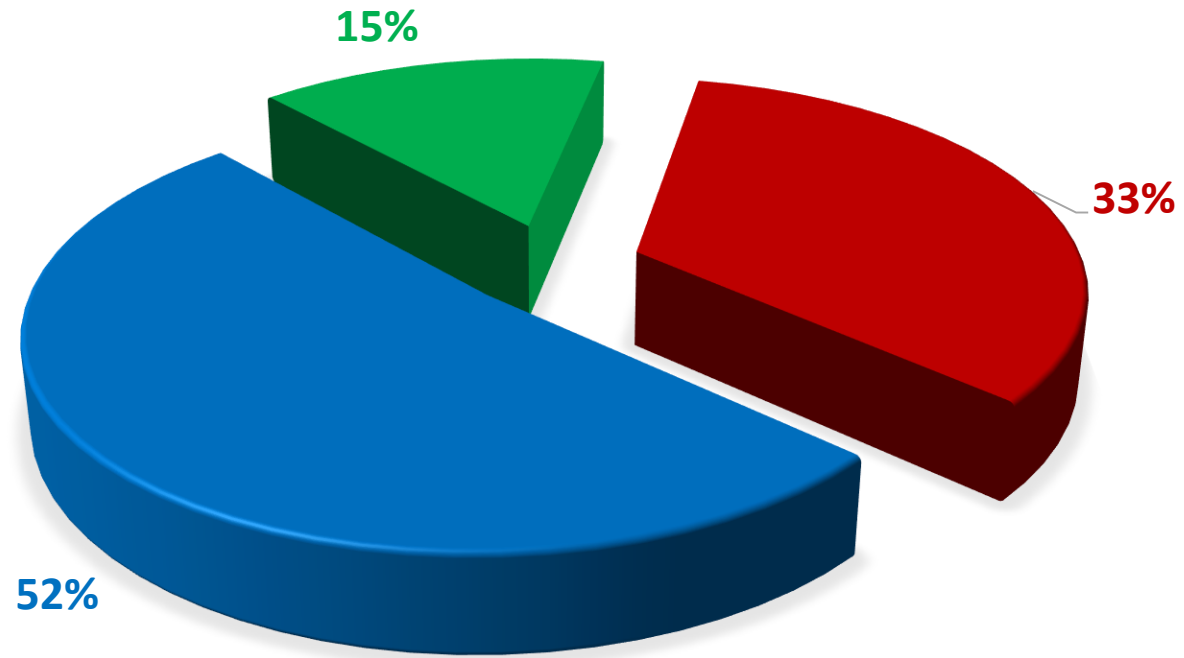


Survey





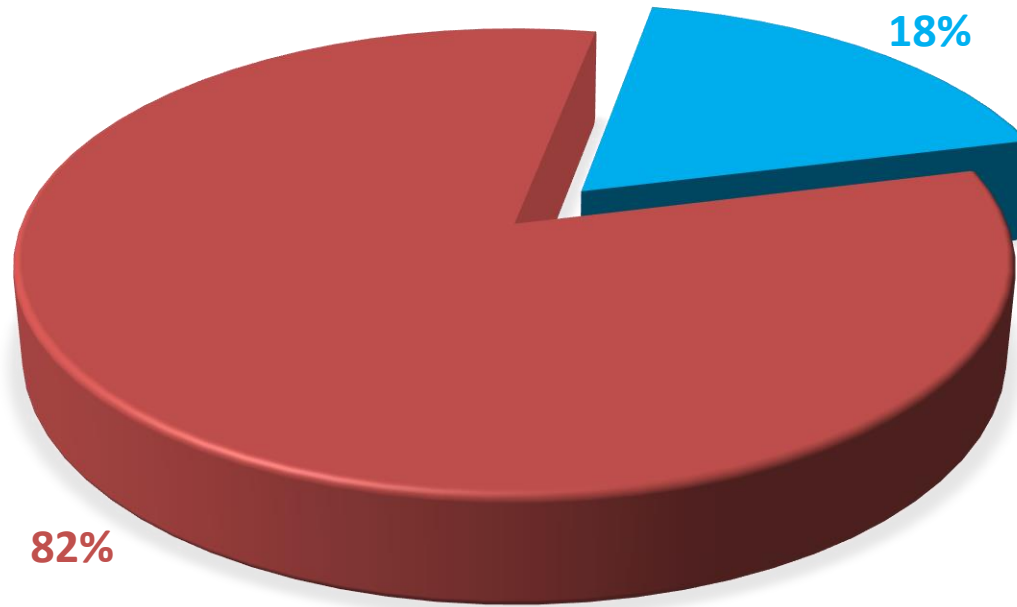
THE LEVEL OF EDUCATION RESERACH IN AZERBAIJAN



■ Low ■ Mediocre ■ High



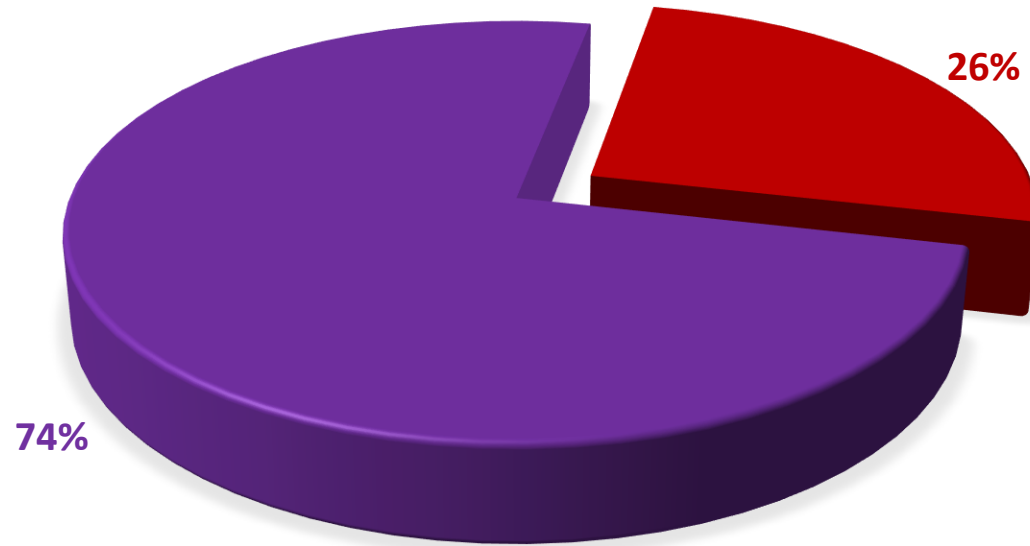
PUBLICATIONS IN IMPACT JOURNALS



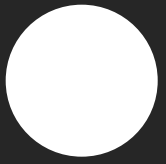
Yes No



JOINT PUBLICATION EXPERIENCE OF LOCAL RESEARCHERS



■ Co-author ■ Sole author



Interview - Stakeholders



Survey - Researchers



Review - International Practice



POSSIBLE SOLUTIONS/ POLICY OPTIONS



Capacity building



International Partnership



Financial Incentive





1

What to do

Develop human potential

2

How to do

Trainings

High motivation, low ability; 20-25 researchers; comfortable with language, statistics, study design, data collection methods and etc.; experience; Hosted by individual universities; local trainers

3

Possible development

Positive

Senior researchers, mentors.
Advanced educational research projects

Negative

Skills – language, data collection, analysis etc.
Earlier publications
Limited group



1

What to do

International Partnership / External Funding

2

How to do

Universities mediate collaboration with foreign researchers/find funders

3

Possible development

Positive

Co-authored publications; networking; capacity

Negative

University initiative

DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service



U

LISBOA

UNIVERSIDADE
DE LISBOA



Islamic Azad University

DFG Deutsche
Forschungsgemeinschaft
German Research Foundation



MINISTRY OF EDUCATION AND SCIENCE
OF THE RUSSIAN FEDERATION



TURKISH ACADEMY OF SCIENCES

GAČR

GRANTOVÁ AGENTURA ČESKÉ REPUBLIKY



What to do

Financial incentives



How to do

Merit-based monetary awards

High capacity, low motivation



Possible development

Positive

Immediate results

Negative

Does not contribute to capacity

Misuse of funds

Category of article	Impact factor for the last 5 years	Reward (AZN)
A	3.01 - higher	4000
B	2.01 – 3.00	3000
C	1.01 – 2.00	2000
D	0.01 – 1.00	1000



Outcome Matrix

Evaluation criteria	Status quo	Capacity building	International partnership	Monetary incentives
<i>Effectiveness</i>	0	25 articles in 3 years +	15 articles in 3 years	20 articles in 3 years
<i>Efficiency</i>	0	Administrative costs	Least costly +	75000-100000 AZN
<i>Equity</i>	0	With/without language skills -	With/without language skills -	With/without language skills -
<i>Public acceptability</i>	0	MoE HEIs Researchers +	MoE HEIs Researchers +	MoE HEIs Researchers +



INTERVIEWS WITH EXPERTS

Ulviyya Mikayilova – Assistant Professor, School of Education, ADA University

Elmina Kazimzadeh – Associate Professor, Baku State University

Emin Amrullayev – Director of Educational Development Programs Department, Ministry of Education

Anvar Abbasov – Deputy Director, Institute of Education of the Republic of Azerbaijan

Elchin Babayev - Executive director of the Science Development Foundation

Aygun Babazadeh – Clarivate Analytic's Key Account Manager for Azerbaijan, Georgia and Ukraine

Farid Guliyev – Assistant Professor in Political Sciences, ADA University

Jala Garibova – Vice Rector for International Relations, Azerbaijan University of Languages

Rafiq Novruzov – Vice Rector for Academic Affairs, Baku Slavic University

Tarlan Abdullayev – Vice Rector for Academic Affairs, Odlar Yurdu University

Elchin Suleymanov - Vice Rector for Academic Affairs, Baku Engineering University

Goshgar Maharramov – Coordinator and Lecturer, Khazar University, Education Department

Nargiz Garayeva – Head of Doctorate Department, Azerbaijan University of Languages

Aydin Kazimzadeh - Vice Rector for Academic Affairs, Baku State University

Hikmat Alizada – Head of Pedagogics Department, Baku State University

Ibrahim Bayramov – Head of Master and Doctorate Department, Azerbaijan Pedagogical University

Iramin Isayev – Head of General Pedagogics Department, Azerbaijan Pedagogical University

Museyib Ilyasov – Head of Department, Pedagogics of Pre-schooling, Azerbaijan Pedagogical University



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*Thank
You!*