

The background image shows the Space Shuttle Atlantis being transported by the Crawler-Transporter at the Kennedy Space Center. The shuttle is white with orange and blue stripes, and the name "Atlantis" is visible on the side. The crawler is a massive, multi-axle vehicle that moves heavy loads across the launch complex. The scene is set against a clear blue sky with some light clouds. The text "FULL FORWARD TO INNOVATION ECONOMY KAZAKHSTAN SCIENCE AS THE DRIVER OF CHANGE" is overlaid on the left side of the image in a bold, white, sans-serif font. The text is arranged in four lines, with the first line being the largest and the subsequent lines being smaller. The text is positioned over the crawler and the shuttle, creating a strong visual connection between the theme of innovation and the image of space exploration.

# **FULL FORWARD TO INNOVATION ECONOMY KAZAKHSTAN SCIENCE AS THE DRIVER OF CHANGE**

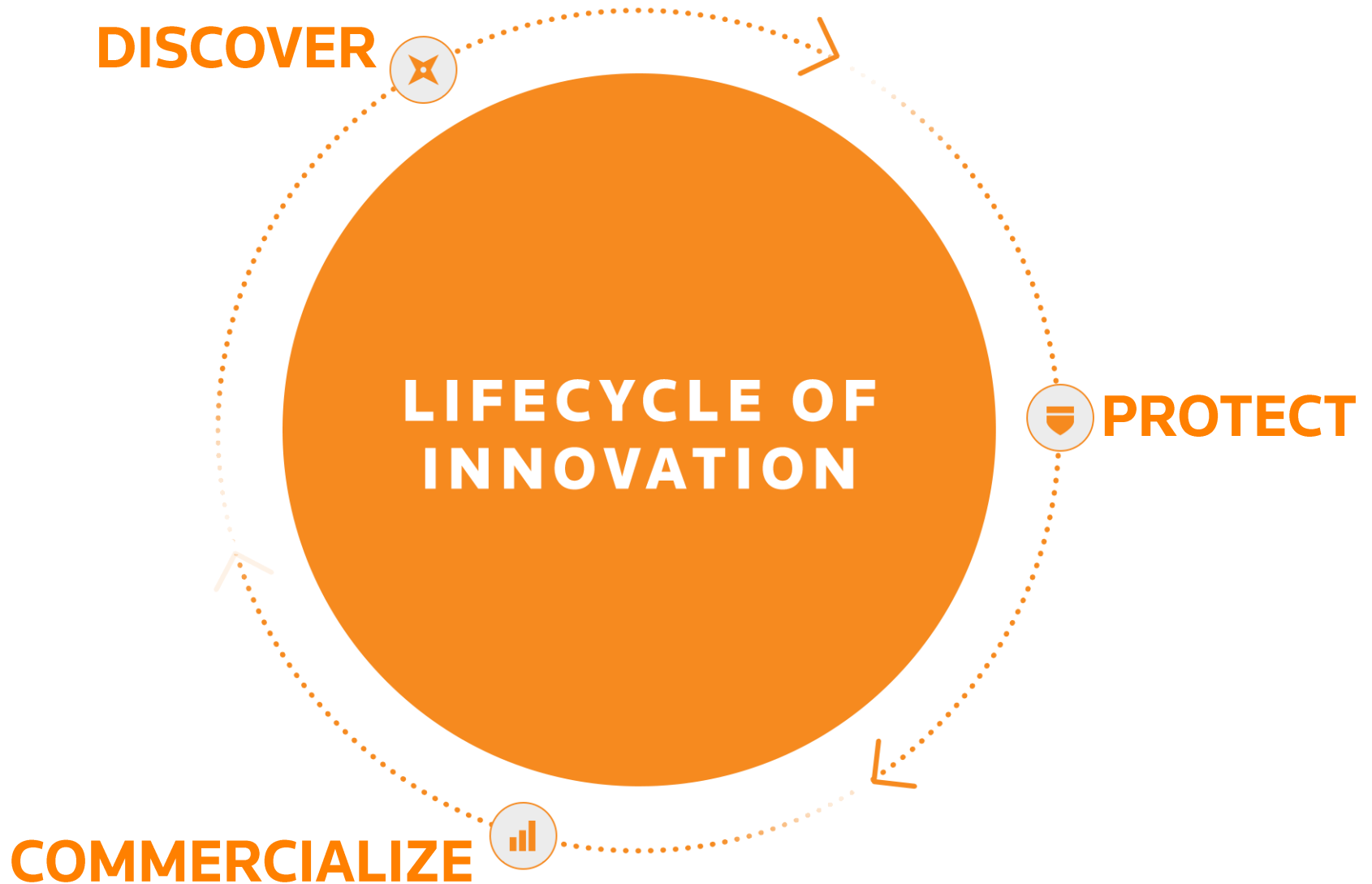
PIOTR MARCZEWSKI  
MANAGING DIRECTOR  
THOMSON REUTERS  
RUSSIA & CIS

OCTOBER 2015



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# TRUSTED ANSWERS...FOR INNOVATION

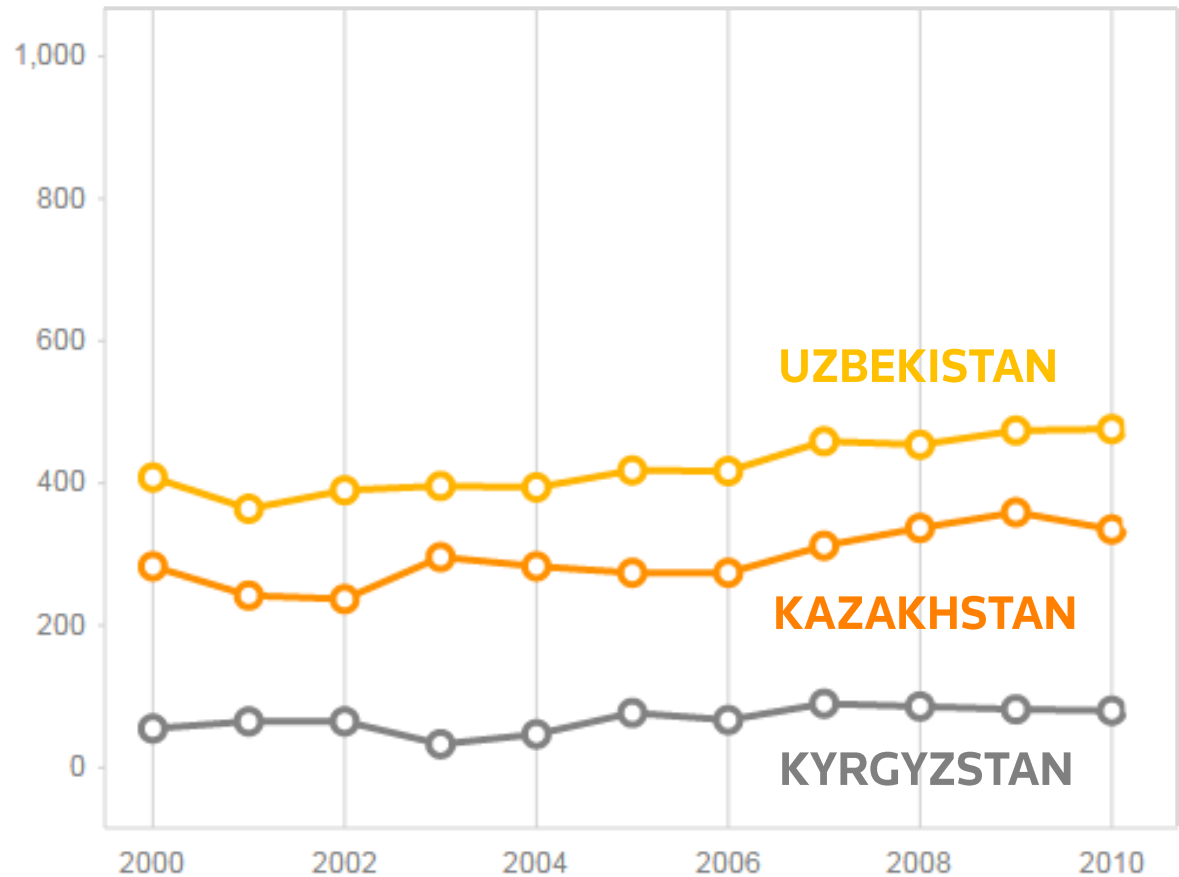


By 2050, **Kazakhstan** should be among top 30  
most developed countries in the world

Nursultan Nazarbayev, “Kazakhstan – 2050”  


# KAZAKHSTAN SCIENCE BACK IN TIME

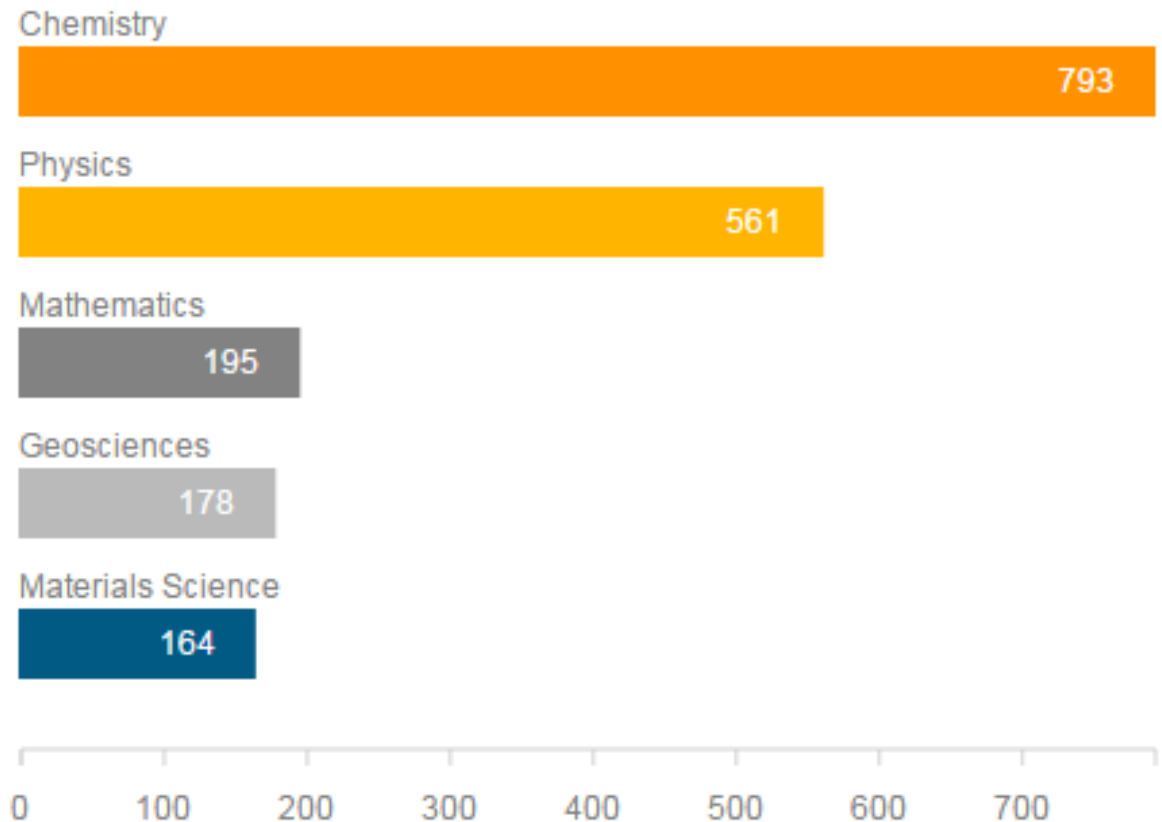
Before 2010,  
Kazakhstan  
researchers were  
publishing about 300  
papers a year.



Source: Thomson Reuters InCites

# KAZAKHSTAN SCIENCE BACK IN TIME

In 2000-2010, research activity in Kazakhstan was primarily focused around hard sciences.



Source: Thomson Reuters InCites

# A MILESTONE FOR KAZAKH SCIENCE IN 2011

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**MARCH:** Ministry of Education and Science introduced rules for awarding scientific degrees which now require at least one publication in journals from Web of Science

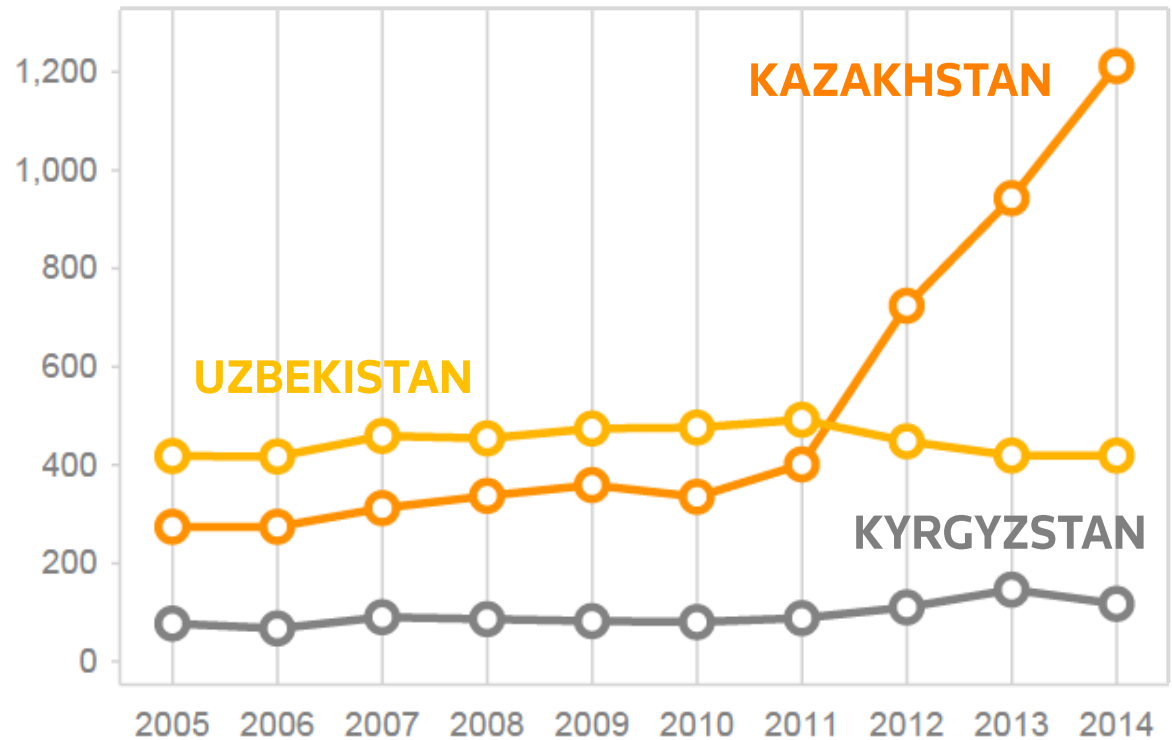
**OCTOBER:** Ministry signed an agreement with Thomson Reuters for nation wide access to Web of Science for 300+ research organizations in Kazakhstan

## WEB OF SCIENCE

# KAZAKHSTAN RESEARCH OUTPUT ADVANCED BY 2015

*During 2011-2015 researchers from Kazakhstan have published similar number of papers as from 2000-2010*

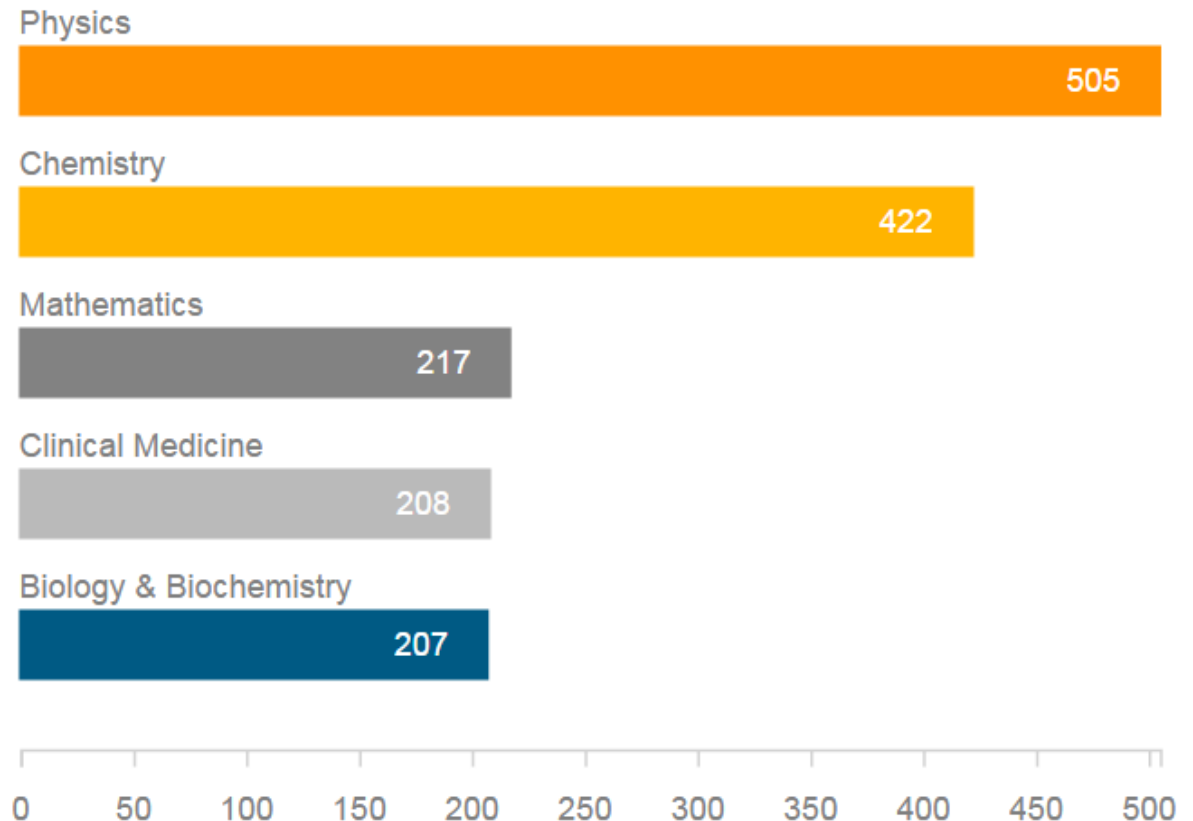
Each year from 2011 Kazakhstan updates its achievements in number of publications in world's best scientific journals indexed by Web of Science



Source: Thomson Reuters InCites

# KAZAKHSTAN RESEARCH OUTPUT ADVANCED BY 2015

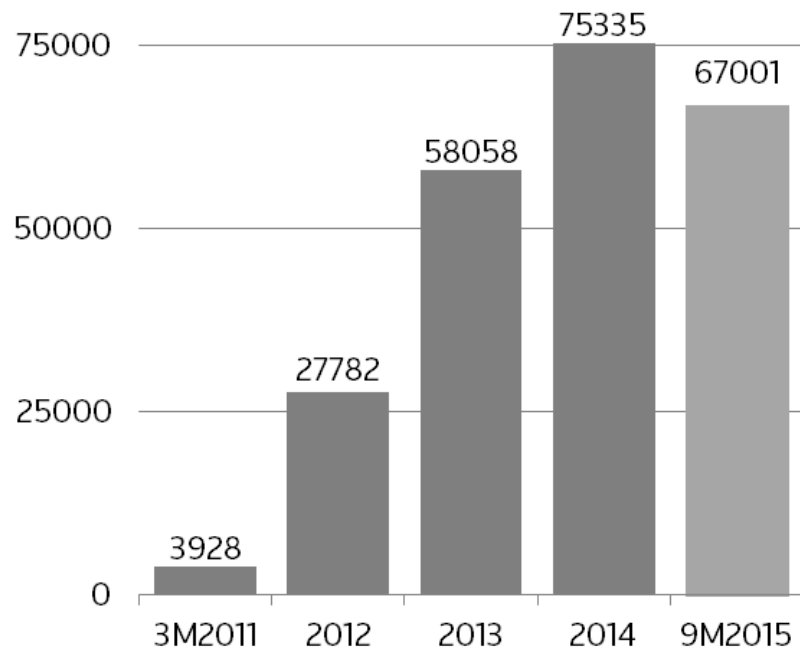
In 2011-2015, research focus shifted towards globally growing life sciences although physics, chemistry and math remain the most published areas for Kazakhstan



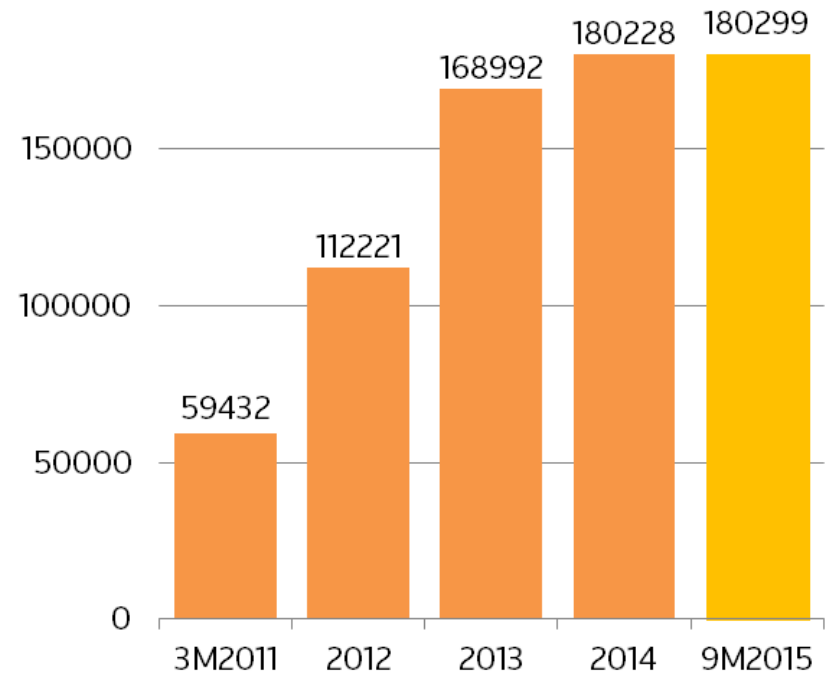
Source: Thomson Reuters InCites

# IT IS ALL ALIGNED – WEB OF SCIENCE USAGE GREW

Number of Web of Science sessions



Number of Web of Science queries



Over the years we detect growing use of the Web of Science platform. The better we work with information, the more and the better information we generate.



**Economic growth** and global competitiveness  
are increasingly driven by knowledge and  
universities play a key role in that context

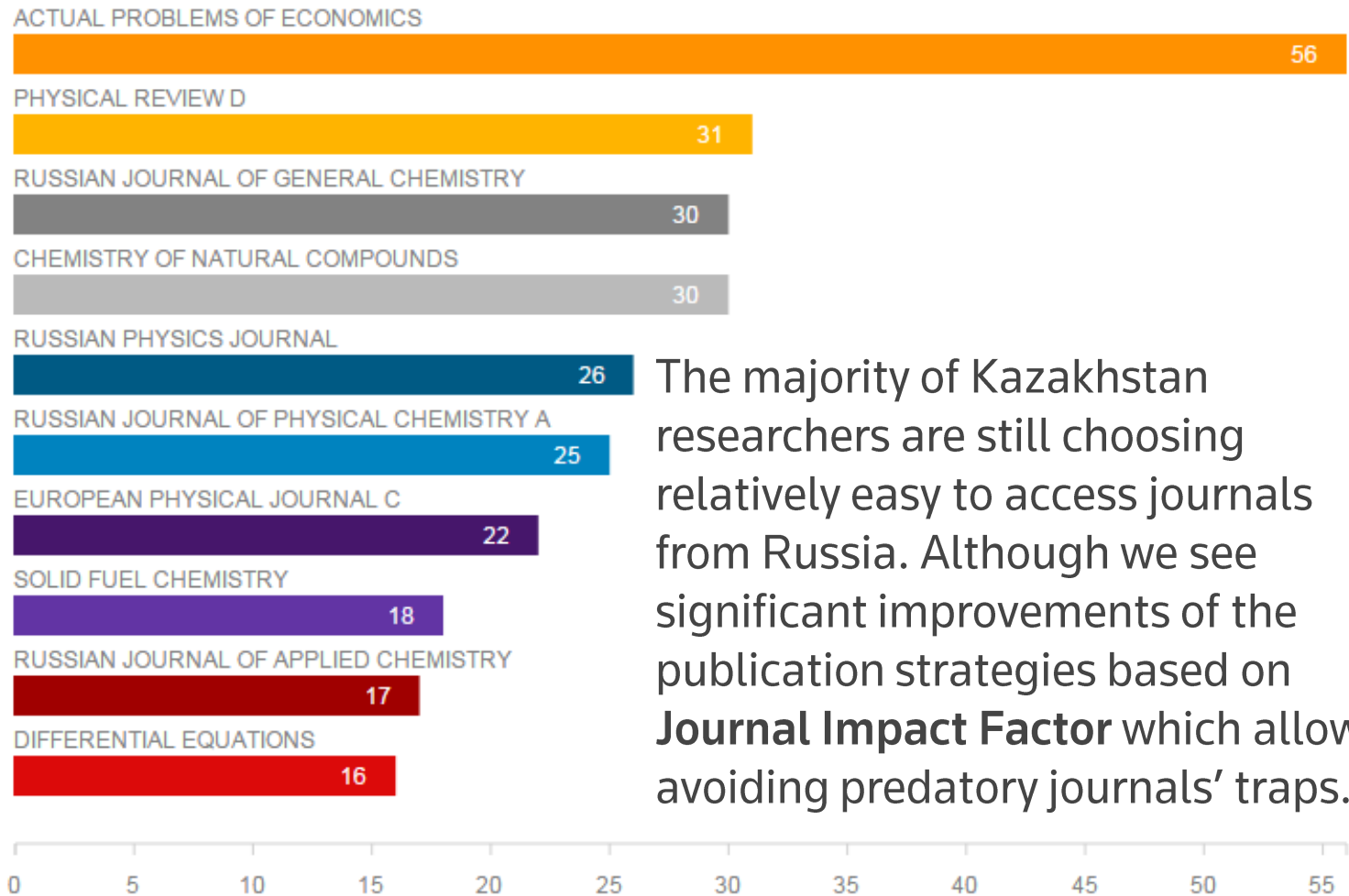
The World Bank report



# IT'S ALL ABOUT SPREADING THE WORD



# MORE JOURNALS, BETTER JOURNALS



The majority of Kazakhstan researchers are still choosing relatively easy to access journals from Russia. Although we see significant improvements of the publication strategies based on **Journal Impact Factor** which allows avoiding predatory journals' traps.

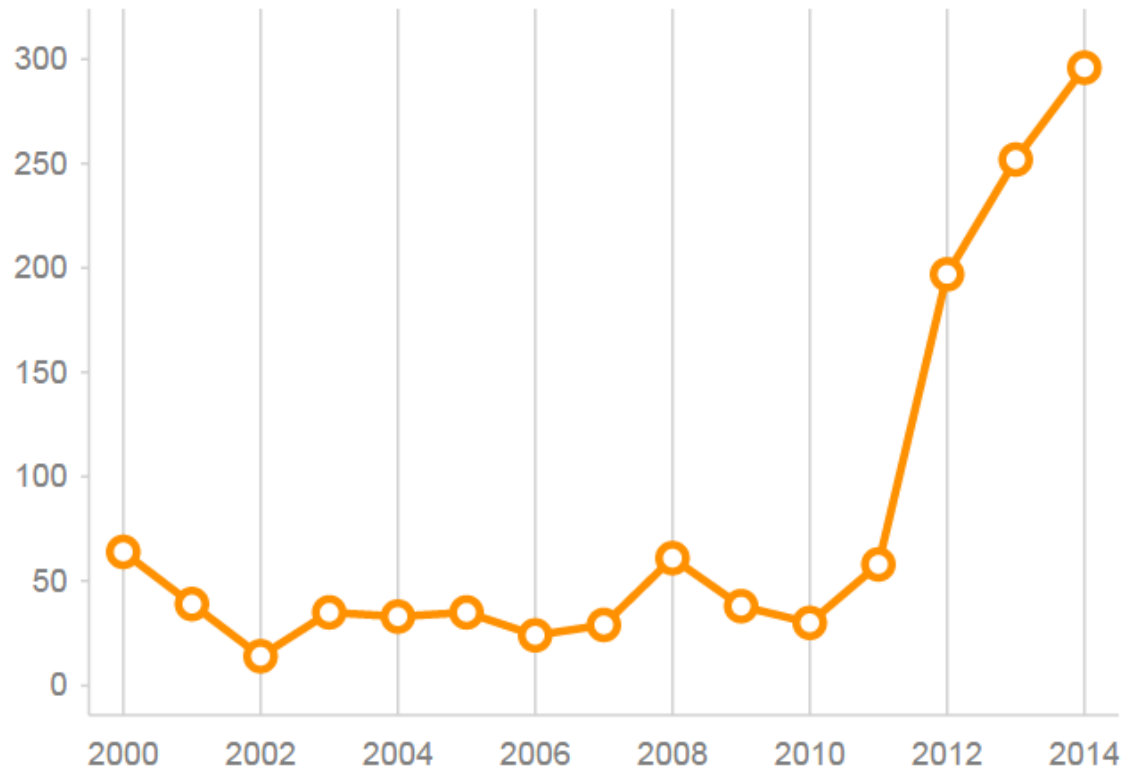
Source: Thomson Reuters InCites, 2011-2015



# ENHANCE PRESENCE AT CONFERENCES

Kazakhstan researchers participated in about 300 conferences in the period of 2000-2010.

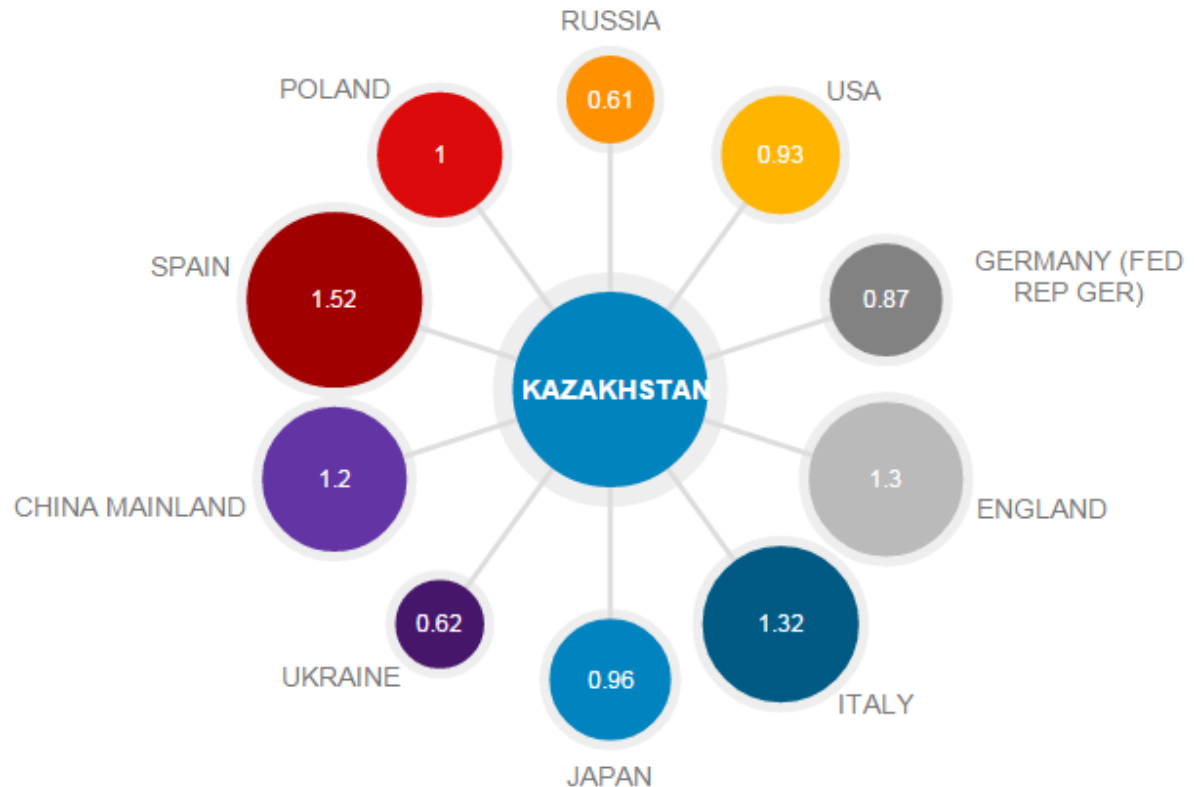
**Over the recent years from 2011, Kazakhstan was represented in about 370 conferences with 850+ proceeding papers.**



*Source: Thomson Reuters InCites*

# PRACTICE NETWORKING AND COLLABORATION

In recent years, Kazakhstan enhanced its network of collaborators. The major volume is still from Russia, however more citations gather collaborations with institutions and researchers outside the region.



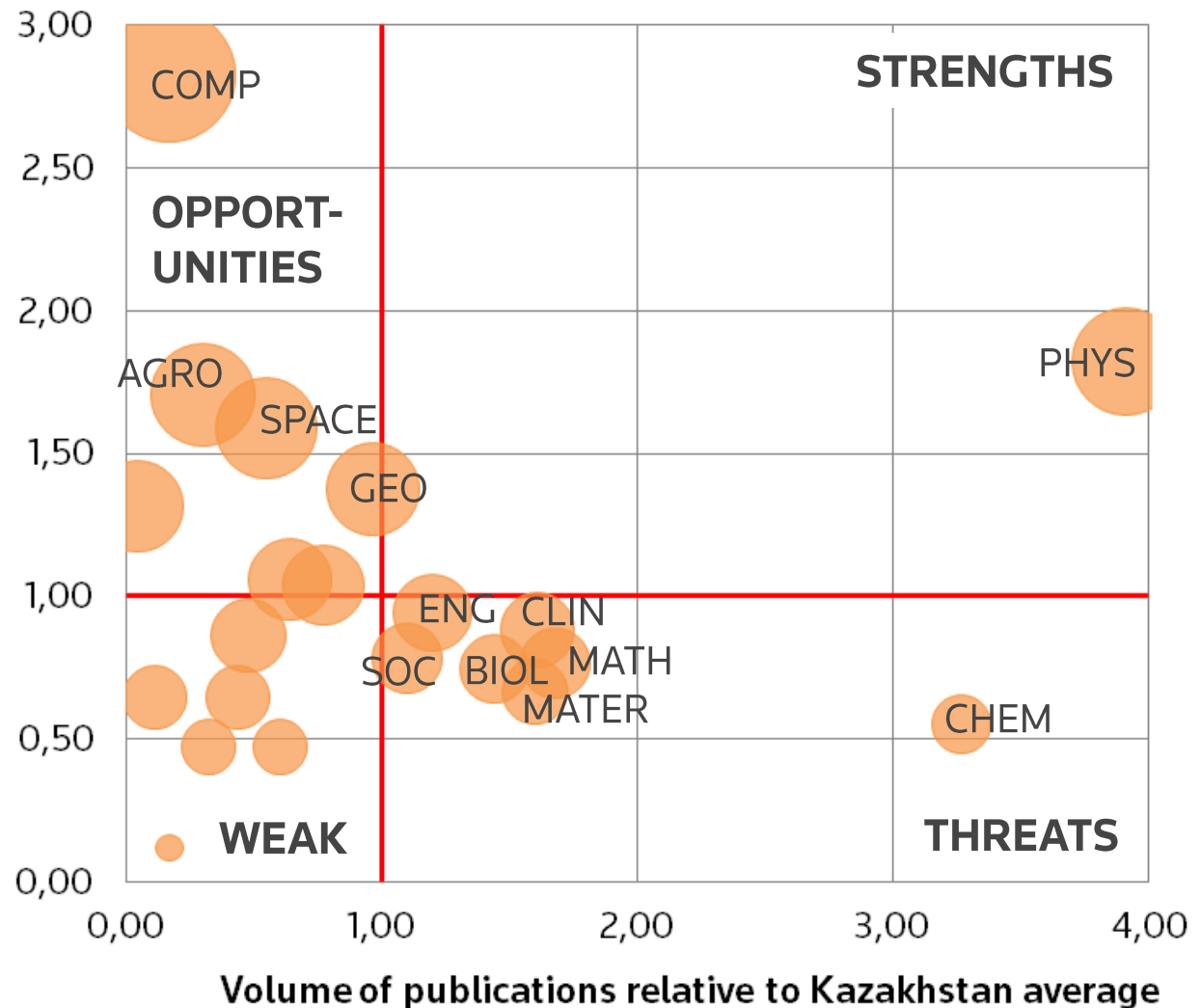
Source: Thomson Reuters InCites, 2011-2015  
Category Normalized Citation Impact is shown.  
The volume of joint publications goes down in  
clock-wise direction starting from Russia.

# DIVERSIFYING SUBJECT PORTFOLIO

Category Normalized Citation Impact relative to Kazakhstan average

Kazakhstan research output heavily depends on physics and chemistry. There's more to be converted into strengths.

Source: Thomson Reuters InCites, 2011-2015



# IT'S HARD... WE ARE TO SUPPORT YOU IN THIS JOURNEY

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## Expert-meetings:

- Visit of VP for publisher relations  
Jim Testa – development of  
Kazakhstan journals
- Workshops for Kazakhstan  
journals and publishers – jointly  
with NCSTI and ENU
- Round table “Ethics in science.  
Plagiarism” – jointly with ALMU
- Certification programs on Web of  
Science at Nazarbayev University  
and NCSTI

## Russian language web-portal

[wokinfo.com/russian](http://wokinfo.com/russian)

with presentations, materials, and  
recorded videos

**Regular webinars** on best practices  
of using Web of Science and other  
resources for research and  
publication

**100+**

webinars a year

**12000+**

attendees

**300+**

organizations

**40**

cities

## On-site lectures and trainings:

How to publish in journals with  
impact factors (and related topics)

**10000+**

attendees

**100+**

organizations

**16**

cities



# NOT ALONE – TOGETHER WITH NCSTI

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**National Center for Science and Technical Information** is the trusted partner for Thomson Reuters in Kazakhstan.

- They have been assisting in getting all 300+ organizations access to Web of Science since 2011
- NCSTI supports Thomson Reuters educational activities in Kazakhstan
- The Center facilitates expert meetings for Kazakhstan scientific community and publishers

At **Thomson Reuters** we understand what  
publication means to you



# NOTHING IS AS PERMANENT AS CHANGE



World is changing.  
Kazakhstan is changing.

**Thomson Reuters is a partner  
to support this journey.**



# FULL FORWARD TO INNOVATIVE ECONOMY

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MANAGING DIRECTOR  
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