

BRICS ENERGY RESEARCH COOPERATION PLATFORM: INTERIM RESULTS AND PLANS OF DEVELOPMENT



МИНИСТЕРСТВО ЭНЕРГЕТИКИ
РОССИЙСКОЙ ФЕДЕРАЦИИ

4th Meeting of BRICS Energy Ministers



11 November 2019,
Brasilia, Brazil

STRUCTURE OF PRESENTATION

- **Results of the First BRICS ERCP meeting, 17-18 June 2019, Moscow**
- **Proposals of further development of BRICS ERCP**



1. BRICS countries presented their priority areas for research activities under ERCP umbrella

BRAZIL

- Energy security
- Natural gas
- Bioenergy
- Renewable, etc

INDIA

- Generation sector
- Transmission and distribution areas
- Renewables
- Energy efficiency, etc

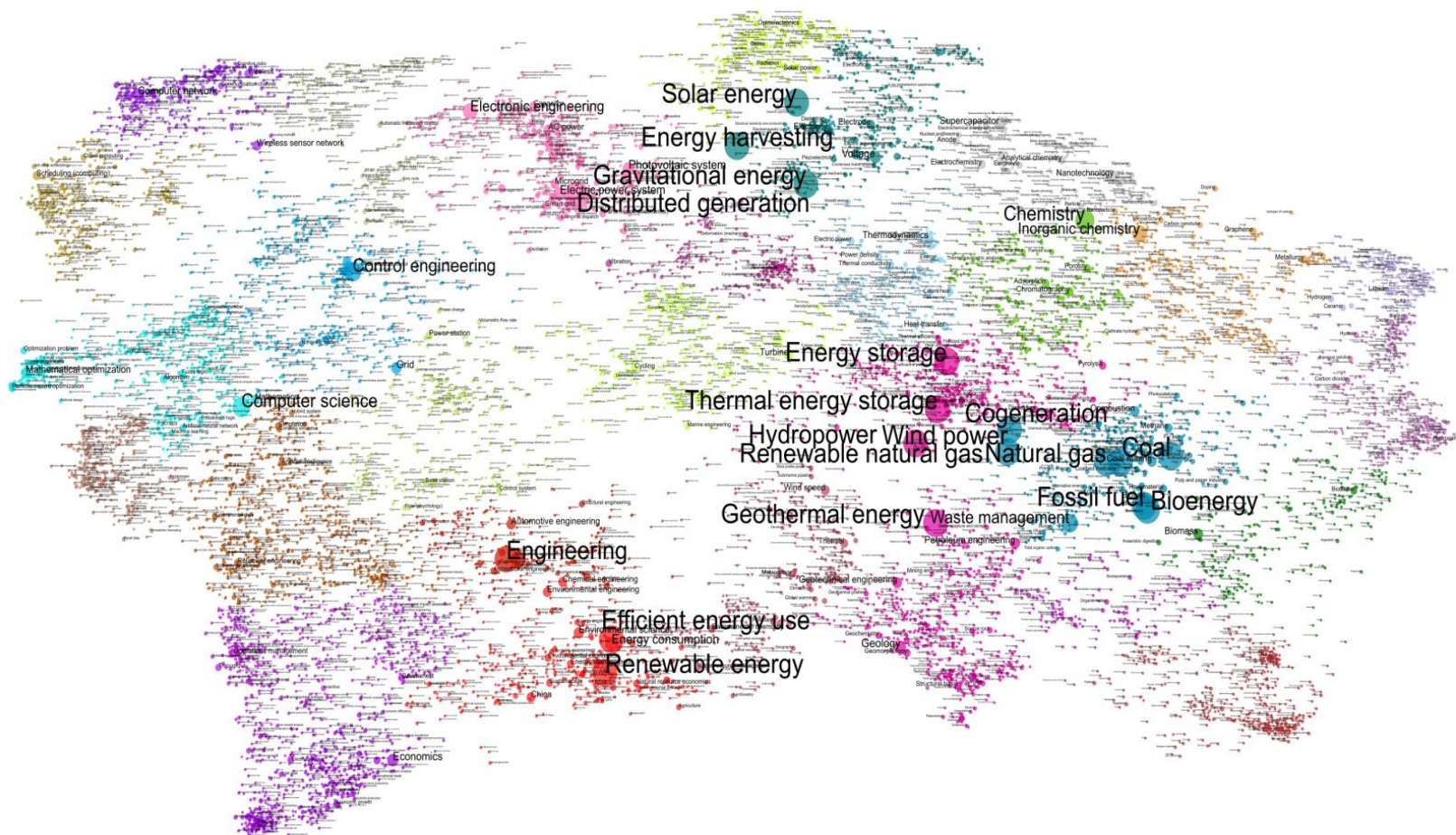
CHINA

- Energy planning and standards
- Promotion the alignment of energy policy
- Recent trends in policies and regulations

SOUTH AFRICA

- Gas technologies
- CCUS
- Hydrogen
- HELE coal technologies
- etc

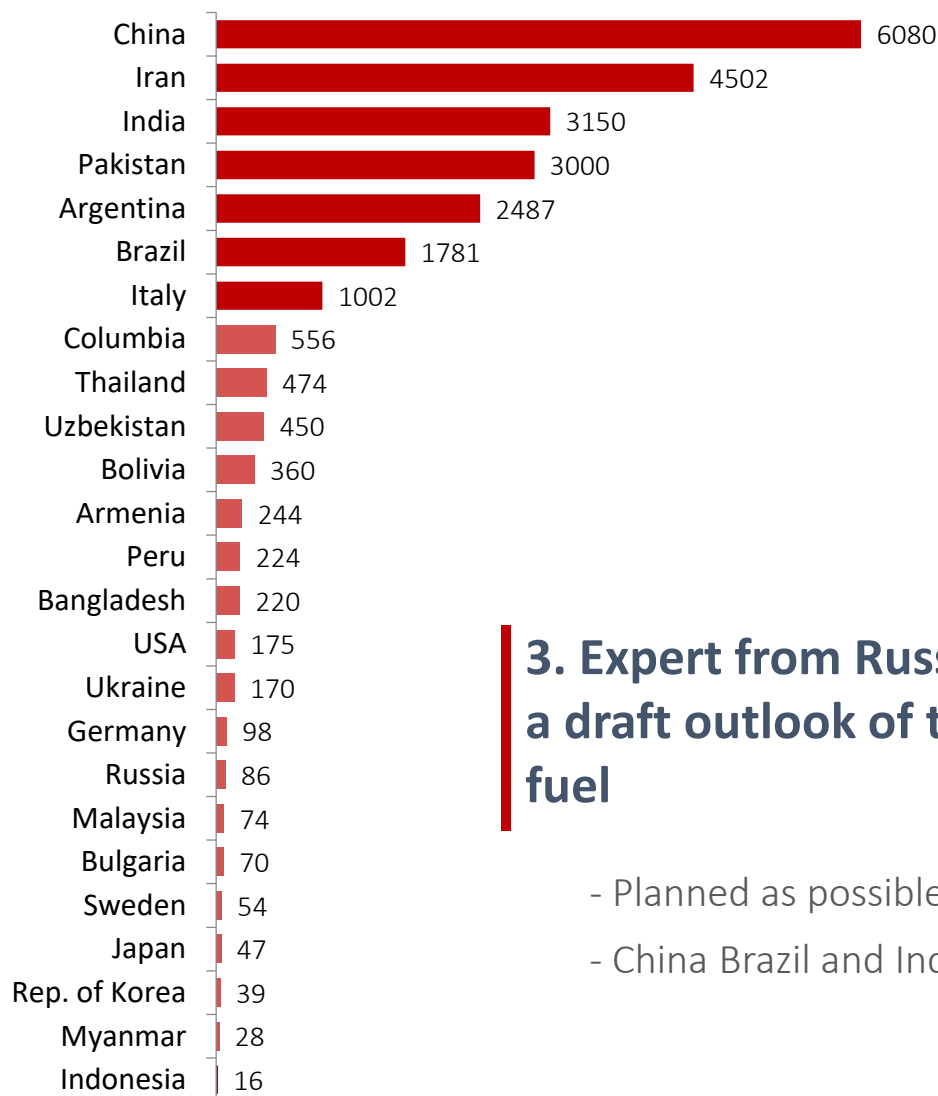
2. Big data analysis:
semantic map shows that BRICS energy priorities clusters around fossil fuels, renewables, energy storage



Источник: Система интеллектуального анализа больших данных iFORA (правообладатель - ИСИЭЗ НИУ ВШЭ)



RESULTS OF BRICS ERCP MEETING



over **85%** of world's NGVs is concentrated in just 7 countries, **3 of them are BRICS countries**

3. Expert from Russian part of the ERCP presented a draft outlook of the use of natural gas as motor fuel

- Planned as possible joint product of the BRICS ERCP
- China Brazil and India expressed their interest in this sphere

PROPOSALS OF FURTHER DEVELOPMENT OF BRICS ERCP

1. Establishing organizational structure

- 1.1 Nominate the Senior Energy Official
- 1.2 Select focal points in possible work-streams by the end of 2019
- 1.3 Russian national part is more than **40 experts** (Rosneft, Gazprom, Rosseti, research institutes)

2. Define the priority areas where we can start the work of the Platform

- 2.1 To prepare an overview of energy sector in BRICS countries
- 2.2 To conduct a research to determine short-term and long term technology needs for BRICS countries in energy sector

PROPOSALS OF FURTHER DEVELOPMENT OF BRICS ERCP

Coal sector questionnaire

- Exploration
- Processing, enrichment and transportation

Oil and gas sector questionnaire

- Exploration
- Drilling and completion
- Development and production
- Offshore projects
- Preparation, transportation and storage
- Refining
- Petrochemistry

Power sector questionnaire

- Generation
- Grids
- Consumer
- RES

Goals

- Identification of specific technology needs
- Assessment of the impact of technology on business and the timing of projects
- Assessment of the possibility of technology production at manufacturing base of BRICS countries
- Assessment the willingness of companies to cooperate to promote technology development

Impact

Time frame

Industry relevance

Willingness to cooperate

Commercial usage probability

Domestic manufacturing

PROPOSALS OF FURTHER DEVELOPMENT OF BRICS ERCP

3. Synergy in BRICS energy cooperation

3.1 Academic Forum

2018, *Recommendation to the Leaders' Summit*

Global Commons and Collective Challenges

In the context of a global transformation of the world energy system the need for strengthening the role of BRICS in reforming the international energy architecture is evident, **we recommend the launch of the BRICS Energy Research Platform and to start joint research as soon as possible**

2019, *Recommendation to the Leaders' Summit*

Create an energy cooperation platform. This issue has been part of previous BRICS' declarations. The BRICS could use this tool to attract new investments in energy infrastructure, deepen cooperation on science and technology, and promote the use of cleaner and more efficient energy technologies

3.2 BRICS Science, Technology and Innovation Initiative

3.3 Program of economic cooperation

3.4 New Development Bank

THANK YOU FOR YOUR ATTENTION!

