



DRAFT BRICS SCIENCE, TECHNOLOGY AND INNOVATION WORK PLAN 2015-2018

1. The BRICS Science, Technology and Innovation Senior Officials, met in Brasilia, on 17 March, 2015, decided to adopt the BRICS Science, Technology And Innovation Work Plan 2015-2018 based on the Memorandum of Understanding (MoU) on Cooperation in Science, Technology and Innovation between the Governments of the Federative Republic of Brazil, the Russian Federation, the Republic of India, the People's Republic of China and the Republic of South Africa.
2. This Work Plan focuses on the priority areas agreed upon among the areas of collaboration referred to in Article 3 of the MoU, in which the BRICS countries decided to further collaborate and achieve concrete results on the basis of mutual benefits. The Work Plan will also provide for new research and innovation initiatives.
3. The priority areas are defined and coordinated as follows:
 - Prevention and Mitigation of Natural Disasters (Monitoring & Early Warning): Brazil (leads through the National Center for Monitoring and Early Warning of Natural Disasters – Cemaden);
 - New and renewable energy, energy efficiency (Solid-state lightning as a sub-area): China (leads through the Ministry of Science and Technology – MOST)
 - Geospatial technology and its Application for development: India (leads through the National Spatial Data Infrastructure, DST)
 - Water resources: Russia (leads through the Ministry of Education and Science)
Joint research, technology transfer and information exchange on innovation and best practices contributing to securing sustainable water, including inter alia major thematic areas:
 - Water resources (sustainable management);
 - Water governance;
 - Water-related disasters and climate change;
 - Wastewater pollution and water quality;
 - Marine environment protection (prevention and control of pollution from ships and ship-generated waste management at sea-ports); Drinking water, sanitation and hygiene

- Astronomy: South Africa (leads through the National Research Foundation)

4. Each country will be responsible to coordinate activities under its leadership (such as formulation of the terms of reference, agendas and the organization of meetings), and to monitor progress and prepare mid-term and final reports to the BRICS Science, Technology and Innovation Senior Officials' Meeting.

5. Each WG shall have a designated national focal point from each of the BRICS countries. The focal points will be responsible for maintaining regular coordinating meetings to monitor and liaise implementation approaches through BRICS Science, Technology and Innovation country coordinators. WGs shall meet at least once every year in order to review, assess, propose or remove activities in each priority area.

6. The coordination of the activities within the five priority areas will be implemented by BRICS Research and Innovation Networking Platform. Establishment of the BRICS Research and Innovation Networking Platform will contribute to the increase participation of business academia and other relevant stakeholders for science, technology and innovation development among BRICS countries

Добавлено примечание ((БМ1)): Ex. 3bis

7. In order to foster collaboration the BRICS STI Initiative will be Implemented. It shall provide the following mechanisms and levels of cooperation:

7.1 Cooperation in the framework of major research infrastructures including mega-science projects, that includes:

- Establishment of the Working Group of the BRICS major research infrastructures (includes representatives from each participating country or each research infrastructure center?; will be led by Russia and co-led by South Africa until the end of Russian presidency in BRICS). Terms of reference, Secretariat, agendas and the organization of meetings and reports will be produced.
- Outpacing and implementation of Road map of development of BRICS major research infrastructures
- Launching NICA as the pilot project within the BRICS framework of global research infrastructures
- Attracting the resources of the New Development Bank as an additional funding mechanism of projects within the Road map of development of global research infrastructures
- Kick-off meeting - first meeting of the WG of the BRICS major research infrastructures. Documents to be elaborated beforehand and approved at the meeting?

7.2 Coordination of existing large-scale national programmes of the BRICS countries, including Joint research on strategies to promote BRICS science, technology and innovation cooperation

Добавлено примечание ((БМ2)): Ex. 3bis

7.3 Implementation of a BRICS Framework Programme for funding multilateral joint projects for research, technology commercialization and innovation, that includes the following steps:

- Decision of the funding parties from BRICS countries to hold a multilateral joint call. It is suggested to hold a 1-stage pilot multilateral joint call. Topic of the call – “Water resources and pollution treatment”. 2-years projects will be supported.
- The Memorandum of Understanding (MoU) for organization of the BRICS multilateral joint call to be signed on the 27th of October 2015 on the fields of the Ministerial Meeting;
- Establishment of the Working Group (WG) of the BRICS multilateral joint call (includes at least one representative from each participating funding party) and other joint call structures:
 - Panel of Experts
 - Joint call Secretariat
- 1st of December 2015 – first meeting of the WG of the BRICS multilateral joint call. Documents to be elaborated beforehand and approved at the meeting:
 - Guidelines for the experts
 - Guidelines for the participants
 - Time-line of the call procedures
 - Setting up of the BRICS Science, Technology And Innovation Initiative web-site. It will include information and documentation on the pilot multilateral call, contacts of the national funding bodies.
 - Approval of the structure of Panel of Experts and Joint call Secretariat
- The formation of the Joint call documentation till the 1st of March 2016;
- Organization of brokerage events starting from the 1st of March 2016; each country conducts brokerage events on its own resources, territory and etc.;
- On the 1st of May 2016 the announcement of the joint call;
- On the 1st of September 2016 – dead-line for submission of applications;
- Evaluation procedures till the 1st of November 2016;
- 19-20 December 2016 – announcement of winners;
- Joint projects implementation and funding - from 15th January 2017;
- November-December 2017 –the Scientific Conference of the BRICS Science, Technology and Innovation Initiative on the Water resources and pollution treatment (Project for 2017-2018) with the interim results announcement.

8. In line with the section II.5 Science, Technology and Innovation of the Strategy for BRICS Economic Partnership BRICS countries agree to:

- promote research in the areas of common priority for the BRICS members;
- establish a strategic framework for cooperation in science, technology and innovation amongst the BRICS member countries supported by appropriate

BRICS country funding mechanisms, instruments and national rules; and dedicate training programmes to support human capital development in science, technology and innovation, including short-term exchanges between scientists, researchers, technical experts and scholars;

- organize science, technology and innovation workshops, seminars and conferences in mutually agreed areas;
- facilitate access to science and technology infrastructure amongst BRICS member countries;
- engage in cooperation between respective national institutions of science, technology and innovation, research and development, and engineering in order to generate new knowledge and innovation industry, innovative products, services and processes in the BRICS member countries;
- exchange information on scientific and technological policy and programs;
- promote the development of environmentally friendly technologies;
- establish a joint Research and Innovation Networking Platform, aimed inter alia at facilitation of research collaboration;
- consider creating BRICS technology transfer network;
- support MSMEs in technology and innovation activities;
- promote the establishment of common technology platforms, innovation and technology clusters; joint development of high-tech zones / science parks and incubators; creating BRICS research and innovation centers;
- create BRICS Young Scientists Forum and promote involvement of youth in Innovation cooperation;
- exchange o experiences and practices in water management, including on rainwater harvesting, re-use and re-cycling of waste water;
- enhance cooperation on technology and innovation for natural disasters reduction among BRICS nations;
- set up a Disaster Management Centre for facilitating information/ data sharing on disasters and prediction techniques.

9. Conduction of the 7th Academic Forum in Moscow for expanding BRICS cooperation as a permanent platform for in-depth expert opinion and look forward to further consolidated high quality research, analysis, as well as effective think-tank discussions on issues of mutual interest.

Добавлено примечание ((БМЗ)): Ufa declaration

10. Creation of a BRICS Young Scientists Forum

Добавлено примечание ((БМ4)): Ex. 3bis

11. Creation of a BRICS Technology Foresight for Climate Systems. It is aimed to address climate change in a global context and at the national level and to achieve a comprehensive, effective and equitable agreement under the United Nations Framework Convention on Climate Change.

Добавлено примечание ((БМ5)): Ex. 3bis

12. Development of partnerships with other strategic actors in the developing world

Добавлено примечание ((БМ6)): Ex. 3bis

13. Funding for any initiative established under this Work Plan shall be pursued by the BRICS countries in accordance with Article 6 of the MoU.