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中华人民共和国科学技术部  
Ministry of Science and Technology of the People's Republic of China



## BRICS Multilateral Joint Science and Technology Research Collaboration

2017 Call for Joint Project Proposals

**CLOSING DATE: 01 December 2017**

From the South African side a maximum of 10 joint projects will be funded for this call

### Background

On 18 March 2015, the BRICS Ministers of Science and Technology signed a Memorandum of Understanding (MoU) to establish a research and development collaborative programme between the BRICS countries. Following the signing of this MoU, the BRICS Group of Research Funding Parties held a meeting in July 2015 to discuss the BRICS Research and Innovation Initiatives and the establishment of the BRICS Working Group consisting of eight parties namely; National Council for Scientific and Technological Development (CNPq, Brazil), Foundation for Assistance to Small Innovative Enterprises (FASIE, Russia), Ministry of Education and Science (MON, Russia), Russian Foundation for Basic Research (RFBR, Russia), Department of Science and Technology (DST, India), Ministry of Science and Technology (MOST, China), National Natural Science Foundation of China (NSFC, China) and National Research Foundation (NRF, South Africa).

On 28 October 2015 the III BRICS Science, Technology and Innovation (STI) Ministerial Meeting signed the Moscow Declaration defining the guidelines for Research & Development cooperation among BRICS countries. In line with the objectives of the Moscow Declaration and the BRICS STI framework the NRF is pleased to announce the 2<sup>nd</sup> BRICS Multilateral call for 2018 joint projects, and herewith invite all interested parties to submit their applications, by a date no later than that indicated.

### Aims of the Programme

- To support excellent research in specified research fields identified by the BRICS partners through a multinational approach;
- To provide an opportunity for emerging researchers in the BRICS countries to meet and interact;
- To support the advancement of basic research; and
- To contribute meaningfully to research capacity development.

### Areas of Cooperation

Joint research proposals should be submitted within the following six designated thematic areas prioritised by all BRICS countries:

- Biotechnology and biomedicine including human health and neuroscience
- Information technologies and high performance computing
- Material science including nanotechnology
- New and renewable energy, and energy efficiency
- Prevention and monitoring of natural disasters
- Water resources and pollution treatment.

**Please see the attached "BRICS STI Framework Programme" for a full description on each thematic area mentioned above.**

## Duration of projects

The projects will be supported for a period of three years (projects starting in the second semester of 2018 and ending June 2021).

## Who may apply?

This call is open to working researchers residing in South Africa and affiliated with a recognised higher education or research institution such as a university, university of technology or science council. The South African applicant must be in possession of a PhD.

A multi-institutional/ consortia approach will be preferred. Therefore, applicants are allowed to collaborate with other partners such as NGOs or companies. However, the NGOs and industry participants are expected to meet their participation costs in the joint project.

### ***Please note:***

- Cooperation projects with the potential to be sustained beyond the funding period will be favourably considered.
- Only joint proposals that involve at **least three or more** partners from the BRICS countries will be considered for funding.
- Joint projects that involve young scientists (through exchange programmes or short placements) and pay attention to a balanced involvement of female and black researchers will be positively considered and will receive a higher rating.
- In terms of South Africa's transformation agenda applications from previously disadvantaged individuals and the involvement of historically disadvantaged higher education and research institutions will be prioritised.

## How do I apply?

Applications must be submitted to the BRICS Call Secretariat and to each of the respective funding organisations in BRICS countries according to national regulations. Therefore, the same proposal to be received in South Africa should have been received by the BRICS Call Secretariat and the other BRICS partner countries (through their national rules). The expectation is that applicants will, amongst themselves, appoint a Project Coordinator whose responsibility will be to act as a point of contact between the project members and the Call Secretariat as well as to **submit a Joint Application Form (JAF) to the Call Secretariat by 28 November 2017**.

- (i) BRICS Call Secretariat:
  - Applicants are expected to download the JAF available at [http://brics-sti.org/files/JAF\\_BRICS\\_2nd\\_Call\\_2017.docx](http://brics-sti.org/files/JAF_BRICS_2nd_Call_2017.docx) and submit to BRICS Call Secretariat.
  - The project coordinator must submit the JAF to the BRICS Call Secretariat via [http://brics-sti.org/files/JAF\\_BRICS\\_2nd\\_Call\\_2017.docx](http://brics-sti.org/files/JAF_BRICS_2nd_Call_2017.docx) by **28 November 2017**.
  - A proposal not received by the BRICS Call Secretariat and by each of the respective funding organisations by the due date will not be considered for funding.
- (ii) South African applicants should further submit their applications by following the steps below:
  - The South African PI must submit a full joint proposal electronically to the NRF through the NRF Online Submission System at <https://nrfs submission.nrf.ac.za/>
  - Register/Login using your ID/ passport number and password.
  - Go to "My Applications" and select "Create Application".
  - Select the call for which you are applying for: **BRICS Multilateral Joint Science & Technology Research Collaboration 2018**.
  - Complete all compulsory sections and the CV sections in full. Please attach the required documents in PDF format in the following order: CVs of partners, budgets of partners, signed support letters of the partners, student exchange programme plan proof of application to Call Secretariat. **Failure to submit compulsory documents will result in the disqualification of the application.**
  - Remember to **submit** your application on completion.
  - Complete applications will go to the host institutions for verification before being forwarded to the NRF for further processing.
  - Incomplete applications will not be considered.
  - Applications that do not meet the eligibility criteria will not be considered.
  - Please contact your research office or Designated Authority if you have any queries.
  - Applications submitted outside the NRF Online Submission System will not be accepted. **No hard copies will be accepted and will automatically be disqualified by the NRF.**

- Only applications endorsed by the research office or its equivalent at higher education or research institutions will be accepted.

**Please note:**

- An application with less than 3-BRICS countries as partners will not be accepted for funding.
- The onus is on the applicant to find their own research partners. The call process is highly competitive therefore application does not guarantee funding. The evaluation of applications from all countries should have positive ratings before consideration for funding. The NRF and BRICS Call Secretariat will not be held responsible for non-submission, administration or evaluation of the application in the partner countries.

**Which activities may I apply for?**

The purpose of this call is to support excellent research on priority areas which can best be addressed by a multinational approach. The initiative should facilitate cooperation among the researchers and institutions in the consortia which consist of partners from at least three of the BRICS countries.

Support will be provided for collaborative multilateral basic, applied and innovation research projects. Funds can be used to cover the following costs:

- **Research-related costs** - activities to be supported may include expenses relating to field work such as conducting interviews, research-related trips, publication costs and research equipment (small equipment - 10 % of the budget).
- **Exchange programmes** - mobility of researchers, postdocs and doctoral students between the partnering BRICS countries.
- **Doctoral and Postdoctoral Research Placements** - for visits not shorter than 2 weeks and not longer than 6 months per annum; with flexibility to split the placements into several shorter visits.
- **Knowledge sharing costs** - in support of project-related activities, such as joint workshops, seminars, conferences, symposia, lecturer presentations, meetings, local and regional dissemination of results to relevant stakeholders.
- **Consumables** - 10% of the budget is allowed for consumables and accessories.

The PhD placements must be managed to fit within the original funded period of the studentship. Additional funding will not be made available through this call or by the funders to support studentship extensions for those undertaking international placements. Applicants should include information about how these exchanges will be managed within their proposal

In the case of meetings, research visits and exchanges of scientists, personnel, experts and students, as well as reciprocal visits undertaken as part of joint research projects and the attendance of seminars, symposia and other meetings funded under this agreement, ***the sending side will be responsible for financing international travel, visas, medical insurance, accommodation and living expenses.*** Fees relating to the organisation of events (venue, catering, audio-visual equipment etc.) will also be the financial responsibility of the host investigator which is to be paid from his / her allocation of the joint funding.

The following may **NOT** be funded from this allocation: consultant's fees, educational expenses (scholarships and/or bursaries, etc.), large equipment, project management fees, salaries and temporary staff fees.

**How much may I apply for?**

The total amount requested from the NRF should not exceed **R2.1 mil.** Funding will be made available for a **maximum of three years**, to be paid in annual installments (**R700K per year**) and exclusively for research activities commencing mid - 2018. Companies or NGOs involved in the joint projects are expected to cover their own costs of participation in the project.

**Please take note that:**

- should you be successful you will be funded only for the activities within the scope of the guidelines;
- scientific and financial reporting on the project is an **OBLIGATORY** condition of funding in subsequent years; and
- the requested amounts do not necessarily imply that this amount will be awarded upon selection for funding.

### **How are applications evaluated?**

Following the closing date indicated, applications will be subject to a scientific peer review. The panel will include recognised local experts in the various fields of research represented by the proposals received. These experts will evaluate each proposal based on the following criteria:

- Scientific quality and innovation of the joint research plan
- Sound project management, methodological approach, feasibility and appropriateness of the joint research plan
- Added value to be expected from the research collaboration
- Balanced cooperation
- Competence and expertise of teams and complementarities of consortium (interdisciplinary / all necessary expertise)
- Appropriateness of resources and funding requested
- Expected impacts: e.g. scientific, technological, economic, societal
- Opportunities for early career researchers – i.e. student involvement through exchange programmes and short-term placements (for capacity building purposes)
- Partnership/ potential partnership with the industry
- Potential for promoting equity and redress

Following local evaluation, a shortlist of projects to be funded will be constituted through consultations between the NRF and the other BRICS partners based on the results of the evaluations done in all countries.

Please note that, although all Parties undertake to execute the evaluation and selection process as quickly as possible so as to notify applicants of the results as soon as possible, the nature of the multilateral process requires the alignment of the commencement of each phase of the process with the partnering countries, whose schedules may differ significantly.

### **Project follow-up and reporting**

- A final scientific and financial report will be submitted in English by the South African PI and the other project leaders no more than 3 month after the end of the project.
- The report will mention the outputs of the projects compared with the objectives and aims of the proposal.
- The joint publications by the researchers will mention the support from the NRF and partner organisations.

### **When is the closing date for applications?**

Applications must be submitted to the NRF by **01 December 2017**. Applications received after this date will not be considered for funding.

Please note that the NRF or BRICS Call Secretariat will not be held responsible for applications that were not received. Researchers are also advised to ensure that their research partners' applications are submitted and have also been received by the BRICS Call Secretariat as well as in the partner country.

### **Where can I obtain more information?**

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