



TÜBİTAK



Ministry of Science and ICT

**CALL TEXT OF TURKEY-KOREA JOINT PROJECT PROPOSAL ON
RESEARCH AND INNOVATION**

2019

ACRONYMS

- **R&D:** Research and Development
- **PI:** Principal Investigator
- **IP:** Intellectual Property
- **RT:** Research Team
- **PIP:** Project Incentive Premium

DEFINITIONS

Intellectual Property (IP): All intellectual property rights, of any kind or nature throughout the world, whether existing now or in the future, including without limitation rights with respect to (i) inventions (whether or not patentable and whether or not reduced to practice), designs, patents and patent applications; (ii) trademarks and service marks together with all goodwill associated therewith and worldwide registrations, applications and renewals related thereto; (iii) copyrights, copyrightable works (in whatever form or medium), and all registrations, applications and renewals for any of the foregoing; (iv) trade secrets, data, database rights, and confidential information; and (v) all claims, causes of action and remedies of any kind related to the foregoing.

Principal Investigator (PI): The person designated on the research proposal as a principal individual involved in the scientific development and in the execution of a project.

Researcher: The person that carries out scientific research as being a part of the project research team.

Consultant: An experienced individual that is trained to advise the research team in order to help making the best possible choices during execution of the research project. Consultants are generally considered as service providers and offer only advice or propose solutions to problems, but they do not act as principal investigator such as designing, conducting, or reporting on research. A consultant cannot have any claim on intellectual property related to the project. A consultant requires little or no guidance in providing input.

Project Incentive Premium (PIP): Payments made by TÜBİTAK to principal investigators, researchers and consultants of the accepted projects on the basis of given amount as determined by the project contract. These payments can be made only to the permanent staff of public institutions.

Research Team (RT): Composed of project members of each country's project.

Work Package: A major subdivision of work within the research project as a whole. The work package may be composed of one of several tasks (for example, project coordination, literature survey, experimental phase, data acquisition phase, data treatment of modeling phase, implementation phase, dissemination of results, and so on).

Service: Service is a cost category. A service provider is not involved in the design, conduct or reporting of research; a service provider assists the research team for a fee in providing services needed to carry out the research. Services may be purchased by either the awarded or the collaborative institution, and are auxiliary to the main object of the research project. Services usually cover specialized jobs that cannot be carried out by the research team or are employed because it is more efficient to use the services of a specialized organization (e.g. routine analysis, consultancy, communication/outreaching activities, data purchasing and management, statistical analysis, evaluation, auditing etc.). The purchased services shall be provided by third parties contracted by the awardee or collaborative institutions and have no rights or obligations vis-à-vis TUBITAK and NRF / MSIT.

BACKGROUND

Based on the Memorandum of Understanding between The Scientific and Technological Research Council of Turkey (TÜBİTAK) and the National Research Foundation of Korea (NRF), this call is launched to enhance the cooperative activities in the field of research and innovation between two countries. The main objective of this call is to support research and innovation projects to promote the integrated joint research between two countries through the synergy between both countries' teams.

NRF and TÜBİTAK have achieved great outcomes through diverse discussions and typically bilateral R&D programs. Following the discussions and outcomes between NRF and TÜBİTAK, the 2019 Research and Innovation Call will be focused on topics of mutual interests in research and innovation - namely, ICT, smart cities, digital health and energy.

As a part of this agreement, each country's agencies evaluate the proposals of their respective national teams on projects selected according to their own priorities.

The purpose of partnership between TÜBİTAK and NRF is to support joint projects for which there is genuine Turkish-Korean collaboration. Partners will ensure that each country provides equitable contributions and scientific inputs; therefore, we would like to invite Turkish and Korean universities, private sector and research centers and institutes to submit joint proposals for scientific and technological research and development projects.

As a result of the 2019 Research and Innovation Call between Turkey and Korea, experts from Korea and Turkey active in the academic and industrial worlds are expected to bring visions and solutions to challenges of the 4th Industrial Revolution Era in the fields of ICT, smart cities, digital health and energy with convergence of technologies in services.

Conceptual Framework of the Research and Innovation Projects

The 2019 TÜBİTAK-NRF/MSIT Call on Research and Innovation focuses on both research projects and innovation projects. A distinction is made for the thematic fields of the call which are digital health, ICT, energy and smart cities. 'Energy' and 'Smart cities' are chosen as thematic fields for the innovation projects, while project proposals submitted in line with the 'Digital health' and 'ICT' thematic fields can be either research projects or innovation projects.

A research project should focus on producing new knowledge; making new scientific interpretations or solving technological problems based on scientific principles. Research projects in universities/public institutions are expected to pursue entirely new advancements in knowledge. In private sector, the potential novelty of research projects has to be assessed by comparison with the existing stock of knowledge in the industry. The research activity within the project must result in findings that are new to the business and not already in use in the industry.

Innovation is defined as the implementation of a new or significantly improved product, or a process, marketing or an organizational method. Research and development activities are key for the implementation and the development of innovation and they may surely be part of

innovation process. Project proposals to be supported within this call must have the characteristics of an R&D project which aims at new findings and grounds itself on an original concept or hypothesis.

Two types of innovation classified in the Oslo Manual, listed as *product innovations and process innovations* are supported in the 2019 Research and Innovation Call between Turkey and Korea.

Thematic Fields	Type of Projects to be Funded
Digital Health	Research project or Innovation project
ICT	Research project or Innovation project
Smart Cities	Innovation project
Energy	Innovation project

CALL SNAPSHOT

SCOPE		
Competition opens	10 th of June 2019	
Final date for online proposal submission	<p>For TÜBİTAK: 2nd of August 2019, 17:30 (Turkish Local Time)</p> <p>Deadline for e-signatures: 5th of August 2019, 17:30 (Turkish Local Time) (Electronic signature is mandatory for each project team member except for students and advisers from abroad)</p> <p>For NRF: 2nd of August 2019, 18:00 (KST time)</p> <p>The Turkish and Korean partners shall form a project consortium and prepare a joint scientific project. Teams from each country must designate a national principal investigator. Projects should be submitted in parallel to respective funding agencies by each national principal investigator. There is no late submission deadline for both Turkish and Korean teams.</p> <p>The principal investigator of the Turkish Team must make sure that all e-signatures requested in the application form and the other forms generated by the online application system are completed (http://uidb-pbs.tubitak.gov.tr) until the 2nd of August 2019.</p> <p>NRF accepts applications submitted through online application system (http://ernd.nrf.re.kr) for Korean teams. NO hard copies are accepted.</p>	
Announcement of results	October 2019	
Anticipated start date of projects	November 2019	
Eligible applicant	<p>For the Turkish Team</p> <p>Eligibility conditions for applicants are applicable at the Process Document for Innovation Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dok)</p>	<p>For the Korean Team</p> <p>The Principal Investigator (PI) must be affiliated to an institute/organization eligible under Article 14 of Basic Sciences Promotion Act.</p>

	<p>umani.pdf) and the Process Document for Research Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleri_surec_dokumani.pdf)</p> <ul style="list-style-type: none"> • It is recommended that project proposals include academia-industry collaboration. 	
Award parameters	TUBITAK funds up to 720.000 Turkish Liras (excl. overhead and Project Incentive Premium (PIP) approximately) per project.	Korean researchers will be funded up to 150 Million KRW per project for the whole duration (3 years).
How to apply	<p>For the Turkish Team</p> <p>Proposal submission is made through the TÜBİTAK’s system (http://uidb-pbs.tubitak.gov.tr).</p> <p>For innovation projects, proposals should be submitted under “Kore Ulusal Araştırma Vakfı (NRF)-MSIT ile İkili İşbirliği Programı-İnovasyon Projeleri” Call Title. For these projects, in presence of a private organization within the consortium, the projects have to be composed of subprojects managed at different institutions. The details are applicable at the Process Document for Innovation Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dokumani.pdf)</p> <p>For research projects, proposals should be submitted under “Kore Ulusal Araştırma Vakfı (NRF)-MSIT ile İkili İşbirliği Programı-Araştırma Projeleri” Call Title. The details are applicable at the Process Document for Research</p>	<p>For the Korean Team</p> <p>Proposal submission is made through the NRF’s system (http://ernd.nrf.re.kr).</p>

	<p>Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleeri_surec_dokumani.pdf)</p>	
Program Contact	<p>TÜBİTAK</p> <p>Şule Nur SARPER Program Coordinator</p> <p>International Cooperation Department-Bilateral and Multilateral Relations Division TÜBİTAK Tunus Cad. No: 80 Kavaklıdere 06100 ANKARA TURKEY T +90 312 298 1759 www.tubitak.gov.tr uidb@tubitak.gov.tr</p> <p>For questions regarding to the application procedure:</p> <p>Ebru İMAMOĞLU Scientific Programs Senior Expert</p> <p>Academic Research Funding Programs Directorate TÜBİTAK Tunus Cad. No: 80 Kavaklıdere 06100, ANKARA, TURKEY T +90 312 298 1804 www.tubitak.gov.tr ebru.imamoglu@tubitak.gov.tr</p>	<p>NRF</p> <p>Ms. Seon Ah Lee</p> <p>Researcher</p> <p>American & European Affairs Team</p> <p>National Research Foundation of Korea (NRF)</p> <p>25 Heolleungro, Seocho-gu, Seoul, 06792, Sount Korea</p> <p>Tel: 02-3460-5727 Fax: 02-3460-5729</p> <p>www.nrf.re.kr jaimlee91@nrf.re.kr</p>

Reference Documents	For the Turkish Team	For the Korean Team
	<p>Reference documents are applicable at the Process Document for Innovation Projects, available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dokumani.pdf</p> <p>and the Process Document for Research Projects, available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleri_surec_dokumani.pdf</p>	

SCOPE OF THE CALL

Funding Available

As a rule, Turkish team, either from private sector, academy or public sector, which is eligible for funding can receive up to 720.000 Turkish Liras (excl. overhead and Project Incentive Premium (PIP) approximately) per proposal in total.

The Korean team either from private sector, academy, or public sector, which is eligible for funding, can receive up to 150 Million KRW of funding per proposal in total.

The size of the grant may vary depending of the needs of each project and must be fully justified.

TÜBİTAK-funded costs of each grant will be issued and managed by TÜBİTAK in accordance with the rules of TÜBİTAK 1071 Programme. Similarly, NRF-funded costs of each grant will be issued and managed by NRF according to its funding guidelines and procedures.

Applicants need to ensure that supported elements of the proposal abide by all regulations for both funding agencies.

Duration of the projects

The duration of the joint-projects can be maximum 3 years (36 months).

Duration of scientific visits

For each project, the total duration of scientific visits to one side to another (from Korea to Turkey or from Turkey to Korea) must not exceed 90 days per year.

ELIGIBILITY OF PROPOSAL

Private sector, public legal RTD (Research and Technology Development) entities, higher education institutions can participate in the consortia.

Other entities may apply if the respective national regulations allow it.

The proposal must be within one of the thematic fields described in Section 5.

The Turkish and Korean partners shall form a project consortium and prepare a joint scientific project. Teams from each country must designate a national scientific coordinator. Projects should be submitted in parallel with respective funding agencies by each national scientific coordinator.

Eligibility for the Turkish Team

Eligibility conditions for the Turkish team are applicable at the Process Document for Innovation Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dokumani.pdf) and the Process Document for Research Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleri_surec_dokumani.pdf)

Eligibility for the Korean Team

Please refer to the Korean call text for proposal on NRF website.

BUDGET

Grant and Effort Allocation for the Turkish Team

Details of budget items are applicable at the Process Document for Innovation Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dokumani.pdf) and the Process Document for Research Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleri_surec_dokumani.pdf)

Grant and Effort Allocation for the Korean Team

Eligible expenses for Korea:

Eligible expenses are specified under Article 12(5) of Regulations on the Management, etc. of National Research and Development Projects.

ONLINE SUBMISSION PROCEDURES

For the Turkish Team, Turkish PI will prepare their joint application and submit it via TÜBİTAK's online system at: uidb-pbs.tubitak.gov.tr until **2 August 2019** and e-signatures must be completed until **5 August 2019** via the online system. Applications completed only with e-signature will be accepted. Signed print-out documents will not be accepted.

Prior to submission, Turkish team needs to be registered with TÜBİTAK's on: <https://arbis.tubitak.gov.tr/>

For the Korean Team, proposal submission and approval by the respective institution should be completed through online application system at: <https://ernd.nrf.re.kr> until (18:00 KST time) **2 August 2019**.

To complete the application process TUBITAK and NRF might need supporting documents.

For the Turkish team, the Turkish applicants -as having finalized the online application on August 2, 2019- are expected to upload documents need to be e-signed by relevant sides and supporting documents by August 5, 2019. Applicants who do not provide the required documents will be rejected and could not apply to this call in the same call period.

The supporting documents for the Korean applicants:

Please refer to the Korean call text for proposal on NRF website.

PROPOSAL SCREENING

All submitted proposals are subject to screening for the Turkish team by TÜBİTAK according to the national rules.

All submitted proposals are subject to screening for the Korean team by NRF according to the national rules.

EVALUATION

Proposal Review and Ranking

Evaluation process of TÜBİTAK is detailed at the Process Document for Innovation Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dokumani.pdf) and the Process Document for Research Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleri_surec_dokumani.pdf)

Please refer to the Korean call text for proposal on NRF website.

PRE-AWARD

Awarded proposals will go through a pre-award stage, which starts after the announcement of results, and continues for approximately eight weeks. During pre-award period, the awarded institution will be notified about the requirements (possible budget reduction, budget details, timeline changes, etc.).

Please refer to the Korean call text for proposal on NRF website.

POST-AWARD

For the Turkish team,

- The Principal Investigator of each project has to prepare an annual financial and scientific/technical progress report to be submitted TÜBİTAK.

For the Korean team, please contact NRF.

Research Ethics and Regulatory Requirements

Research Ethics and Regulatory Requirements for the Turkish Team are applicable at the Process Document for Innovation Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dokumani.pdf) and the Process Document for Research Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleri_surec_dokumani.pdf)

Please refer to the Korean call text for proposal on NRF website.

Intellectual Property Policy

Intellectual property policy of TÜBİTAK is applicable at the Process Document for Innovation Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_ar-ge_ve_yenilik_projeleri_surec_dokumani.pdf) and the Process Document for Research Projects (available at https://www.tubitak.gov.tr/sites/default/files/3125/1071_arastirma_projeleri_surec_dokumani.pdf)

Please refer to the Korean call text for proposal on NRF website.