



KORANET

Korean scientific cooperation network with the European Research Area

An initiative to intensify and strengthen the regional
S&T cooperation between Korea and the ERA

Inventory of S&T cooperation programmes (Deliverable 1.2.2)

- South Korea -

Version of May 2010

The latest version of this document may be downloaded at:

<http://www.koranet.eu/en/213.php>



*Project funded by the European Commission under the
International cooperation activity of the Capacities Programme
of the 7th European Framework Programme for RTD.*

Korea (Global open to Europe)

Programme Name	Global Research Network Program (GRN program)
Website	http://www.nrf.go.kr/htm/business/13_learning/02_business/03/01_01.jsp?fla shActive=011402 (Programme Guideline in English to download on the webpage)
Programme Owner	Ministry of Education, Science & Technology (MEST)
Programme Agency	National Research Foundation of Korea (NRF)
Technology Areas	All areas (preference for the Korean national interest)
Innovation Phases Supported	International collaborative research between Korean researchers and researchers from abroad Foster joint international research and networking activities between researchers at the world's top universities and research institutes
Support Instruments	Joint Research
Submission	First half of every year (since 2008) – it was April in 2008 and 2009
Selection Criteria	Provide support from the bottom up, based on the needs of individual researchers Applicants are required to show research accomplishments (SCI etc..)
Max. Grants	Total 100 000 Euro (About 13 projects) Max 100 million KRW per year (max 3 years) Foreign researchers can share a part of the Korean funding
Contact	Eun-Joo LEE National Research Foundation of Korea (NRF) lej@nrf.go.kr +82 2 3460 5629 www.nrf.go.kr

Korea (Global open to Europe)

Programme Name	Global Research Laboratory (GRL)
Website	http://www.nrf.go.kr/htm/business/07_business/02_business/01/20090805_1_185.jsp?flashActive=010802 (Not yet in English)
Programme Owner	Ministry of Education, Science and Technology (MEST)
Programme Agency	National Research Foundation of Korea (NRF)
Technology Areas	Key governmental areas: 32 areas in 2009
Innovation Phases Supported	International collaborative research between laboratories
Support Instruments	Supports bi- and multilateral Joint researches
Submission	Public call in February (every year since 2006)
Selection Criteria	The person who apply should be a Korean investigator 1 Korean lab + 1 or more foreign labs <ul style="list-style-type: none"> ○ Correspondence with the project objectives ○ Purpose of the cooperation research and quality of the research content ○ The level of original technology the partner institutions possess (patents, theses, current research outputs, etc.) ○ Records of established networks between research organizations (Exchange of human resources, Achievement of Joint research, etc) ○ Possibility of success (development) of the relevant research group
Examples of funded projects	Postech-Zurich (Switzerland) on Environment Technology (Korean partner: Prof. Young-Sook LEE)
Max. Grants	Duration of the projects: 3-9 years 300 000€/year (0.5 billion₩) grants per project to be shared with foreign labs No matching fund required
Contact	Song-Iee SONG National Research Foundation of Korea (NRF) sisong@nrf.go.kr +82 2 3460 5611 www.nrf.go.kr

Korea (Global open to Europe)

Programme Name	Leading Foreign Research Institutes Recruitment Program
Website	http://www.nrf.go.kr/htm/business/07_business/02_business/03/20090805_1_193.jsp?flashActive=010802 (Not yet in English)
Programme Owner	Ministry of Education, Science and Technology (MEST)
Programme Agency	National Research Foundation of Korea (NRF)
Technology Areas	Cutting-Edge technologies Strategic technology fields that are necessary for Korea listed in the “90 technology fields by 7 focused fields: Priority Promotion (50 units) + Candidate for Priority Promotion (40 units) Technology” of the 577 Initiatives.
Innovation Phases Supported	Research units with an established foundation for cooperation, such as conclusion of contracts on joint research, intellectual property, exchange of human resources between organizations with affiliated domestic organizations and overseas cooperation managers.
Support Instruments	Establish foreign institutes in Korea /joint research labs Build a foundation to attract excellent research institutions from overseas and increase the utilization of foreign R&D resources through domestic recruitment of excellent research institutions of world-class level and joint research with domestic research institutions.
Submission	The first half of every year (since 2004)
Selection Criteria	Independent research centres should be established in the country within one year after its selection. Continuously dispatch internal human resources to overseas research institutions. Ensure the investment of matching funds (cash, actual goods, etc.) from the overseas research institutions.
Examples of funded projects	Batelle@KU (http://www.battelle-korea.com/about/ku.aspx) SOI (S. I. Vavilov State Optical Institute) Korea Center (since Nov. 2005)
Max. Grants	Duration of projects: 6 years 400000~600000€/year/project Matching fund required
Contact	Ho-Seok CHEON National Research Foundation of Korea (NRF) ho@nrf.go.kr +82 2 3460 5612 www.nrf.go.kr

Korea (Global open to Europe)

Programme Name	World Class University
Website	http://www.nrf.go.kr/hm/business/08_raise/01_summary/20090805_1_201.jsp?flashActive=010901 (Not yet in English) http://www.kosef.re.kr/english_new/programs/programs_06.html (After merging into NRF, the webpage will be updated)
Programme Owner	Ministry of Education, Science and Technology (MEST)
Programme Agency	National Research Foundation of Korea (NRF)
Technology Areas	All areas (New growth-engine fields, Interdisciplinary studies)
Innovation Phases Supported	Research and Education
Support Instruments	Type 1: Establishing new academic departments or specialized majors Type 2: Employing foreign scholars at existing academic programs Type 3: Inviting distinguished world-class scholars
Submission	September 2008 (first), March 2009 (second) Next submission date is not decided yet.
Selection Criteria	Foreign scholar recruitment plan and research proposal Review of the research achievements of each participant in the team (articles published in the world's top journals, number of citations, participants' experience as editorial board members of high-quality international journals, major research grants received, domestic and international patents achieved) University's research environment and project support plan
Examples of funded projects	Type 1: Department of Bioinspired Science at Ewha Womans University Type 2: Hanyang University recruited Prof. Sunil K. Agrawal (Professor at Delaware University, Robotics) Type 3: Konkuk University recruited Prof. Roger D. Kornberg (Professor at Stanford University, the 2006 Nobel Chemistry Laureate)
Max. Grants	Total project expenses: US\$ 825 million (annual budget of US\$ 16.5 million) (for 5 years from 2008 to 2012)
Contact	Se-Hwan CHUNG National Research Foundation of Korea (NRF) shchung@nrf.go.kr +82-42-869-6421 www.nrf.go.kr

Korea (Bilateral open to Europe)

Programme Name	Networking Program based on MOU
Website	http://www.nrf.go.kr/hm/business/06_cooperation/02_business/01/01_01.jsp?flashActive=010702 (Not yet in English)
Programme Owner	National Research Foundation of Korea (NRF)
Programme Agency	National Research Foundation of Korea (NRF)
Technology Areas	All areas in Natural Sciences, Biological Sciences, Engineering, Interdisciplinary Science
Innovation Phases Supported	Exchange of researchers, small-scale R&D, Equipments, etc.
Support Instruments	Mobility project between Korean and foreign researchers / experts
Submission	November (every year)
Selection Criteria	For researchers of institutes Based on MOU between NRF and other Institutions / Agencies / Universities The Projects of the National Research Foundation of Korea (NRF)
Max. Grants	About 20000 USD per year
Contact	Ji-In AHN National Research Foundation of Korea (NRF) jjahn@nrf.go.kr +82 2 3460 5704 www.nrf.go.kr

Korea (Global open to Europe)

Programme Name	Young Scientist Fellowship Program for Foreign Researchers (Students, Post-Doc etc.) NRF-DAAD Summer Institute Program
Website	http://www.nrf.go.kr/htm/business/06_cooperation/02_business/02/20090805_1_170.jsp?flashActive=010702 (Not yet in English)
Programme Owner	National Research Foundation of Korea (NRF)
Programme Agency	National Research Foundation of Korea (NRF)
Technology Areas	Natural sciences, basic medicine, engineering
Innovation Phases Supported	Education, visit, research Based on the MoU in 1995 between NRF (formerly KOSEF) and DAAD (German Academic Exchange Service)
Support Instruments	Support for foreign researchers
Submission	March-April every year (since 2006)
Selection Criteria	Graduate students after three semester academic experience / PhD candidates / Post-Doc Students recommended by Korean professors or foreign visiting scholars Communication ability in German or English Researchers in government funded institutes with eligibilities above
Examples of funded projects	In average 25 students are selected a year
Max. Grants	A living allowance during 8 weeks (July-August) Air fare by NRF Living expenses by DAAD (1,000€ per month)
Contact	One-Keun CHOI National Research Foundation of Korea (NRF) onekeun@nrf.go.kr +82 2 3460 5722 www.nrf.go.kr

Korea / EU

Programme Name	EU FP Joint Research Support Program
Website	http://www.nrf.go.kr/htm/business/07_business/02_business/02/20090805_1_187.jsp?flashActive=010802 (Not yet in English)
Programme Owner	Ministry of Education, Science and Technology (MEST)
Programme Agency	Korea of National Research Foundation (NRF)
Technology Areas	All FP funding areas
Innovation Phases Supported	Technological development and innovation in R&D collaboration
Support Instruments	Promote, assist and fund the development of joint technology cooperation in EU FP
Submission	Two times: One in the first half of the year, the other in the second half
Selection Criteria	Select those already confirmed to participate in the EU FP (accepted to FP)
Examples of funded projects	15 projects in FP7
Max. Grants	Depends on the proposal for the FP projects
Contact	Hyelee YUN National Research Foundation of Korea (NRF) yuneri@nrf.go.kr +82 2 3460 5617 www.nrf.go.kr

Korea (Bilateral open to Europe)

Programme Name	Bilateral Collaborative R&D Fund
Website	http://www.kiat.or.kr/01_business/business/help/work_03.asp http://gctech.gtonline.or.kr/index.asp (English)
Programme Owner	Ministry of Knowledge Economy
Programme Agency	Korea Institute for Advancement of Technology (KIAT)
Technology Areas	Bio (Bio energy, bio engineering, biomass, chemical material production using bio refinery and bio plastic and functional biomaterial, etc.), medical devices and clean technology
Innovation Phases Supported	Joint R&D
Support Instruments	R&D Funds
Submission	January
Selection Criteria	A R&D consortium led by a domestic/foreign company in which participants from industries, academia and research community share the roles and responsibilities within a collaborative project.
Max. Grants	About KRW 1 billion per year, max. 5 years
Contact	So-Mie YUN National Research Foundation of Korea (NRF) ssomie81@kiat.or.kr +82 2 6009 3186 www.nrf.go.kr

Korea (Bilateral open to Europe)

Programme Name	Bilateral Programs
Website	http://www.nrf.go.kr/htm/business/07_business/02_business/02/20090805_1_188.jsp?flashActive=010802 (Not yet in English)
Programme Owner	Ministry of Education, Science & Technology (MEST)
Programme Agency	National Research Foundation of Korea (NRF) vs. international agencies of foreign countries
Technology Areas	All areas
Innovation Phases Supported	Mobility, Networking
Support Instruments	Exchange of researchers, Workshops, Cooperative projects
Submission	Every year in principle - almost every year in case of France and Germany - in other cases it totally depends on annual or biannual official meeting between Korea and individual EU countries
Selection Criteria	Necessity for research(development) Research performance of the Principal Investigator Appropriateness of the research(development) objectives Rationality of the promotion system and strategy for research performance Strength level of the cooperation network between the two countries Appropriateness of the expected outcome and application scheme, etc
Max. Grants	Approx. 20,000 Euro per year
Contact	Korea-UK, Switzerland, France, Italy, Austria: Bokyoung PARK bok07@nrf.go.kr +82 2 3460 5725 Korea-East Europe, Russia, CIS: Jung-Ho PARK jhpark@nrf.go.kr +82 2 3460 5723 Korea-Germany, Sweden, Finland: One-Keun CHOI onekeun@nrf.go.kr +82 2 3460 5722 National Research Foundation of Korea (NRF) www.nrf.go.kr

Korea (Global open to Europe)

Programme Name	Advanced countries Joint R&D Program (부품소재 국제협력사업 – 선진기술국가 공동기술개발사업)
Website	http://www.kiat.or.kr/01_business/business/help/work_14.asp (Not yet in English)
Programme Owner	Ministry of Knowledge Economy (MKE)
Programme Agency	Korea Institute for Advancement of Technology (KIAT)
Technology Areas	Materials (chemical material production, Ceramic, Metal etc.)
Innovation Phases Supported	Joint R&D
Support Instruments	R&D Funds
Submission	May, September (first in 2009) The submission date in 2010 and 2011 has not been decided yet.
Selection Criteria	A R&D consortium led by a domestic institute in which participants from foreign industries, academia and research community share the roles and responsibilities within a collaborative project.
Examples of funded projects	None yet
Max. Grants	3 billion per year (2-3 projects) in 2009 (first year), max 4 years 3.5 billion per year in 2010 (planned) 4 billion per year in 2011 (planned)
Contact	Ho-Jin CHO Korea Institute for Advancement of Technology (KIAT) hojincho@kiat.or.kr +82 2 6009 3183 www.kiat.or.kr

Korea (Global open to Europe)

Programme Name	Scientists & Engineers Exchange Program in Partnership With Countries With Advanced Materials Technology (부품소재 국제협력사업 – 원천소재 인력교류사업)
Website	http://www.kiat.or.kr/01_business/business/help/work_14.asp (Not yet in English)
Programme Owner	Ministry of Knowledge Economy (MKE)
Programme Agency	Korea Institute for Advancement of Technology (KIAT)
Technology Areas	Materials (chemical material production, Ceramic, Metal etc.)
Innovation Phases Supported	Mobility
Support Instruments	R&D Funds
Submission	Yearly base - August 2009 (First), additional selection in November
Selection Criteria	Dispatching researchers to major research institutes in advanced countries that are equipped with cutting-edge technologies in material areas (exchange with US, Japan, Germany only) Partner institutes: <ul style="list-style-type: none"> • Oak Ridge National Laboratory (ORNL, US), • UC Berkeley Sensor & Actuator Center (BSAC, US) • Fraunhofer-Gesellschaft (Germany), • Institute für Festkörper- und Werkstoffforschung Dresden (Germany) • National Institute for Materials Science (NIMS, Japan)
Examples of funded projects	(none yet)
Max. Grants	About KRW 150 million per year per person, max. 1-2 years
Contact	Ho-Jin CHO Korea Institute for Advancement of Technology (KIAT) hojincho@kiat.or.kr +82 2 6009 3183 www.kiat.or.kr

Korea / US (Bilateral)

Programme Name	KORUS-Tech Program
Website	http://opems.gtonline.or.kr (Korean and English) http://opems.gtonline.or.kr/panel/overview_eng.asp (English) http://www.kiat.or.kr/01_business/business/help/work_01.asp (Korean)
Programme Owner	Ministry of Knowledge Economy (MKE)
Programme Agency	Korea Institute for Advancement of Technology (KIAT)
Technology Areas	All industrial areas
Innovation Phases Supported	Joint R&D
Support Instruments	R&D Funds
Submission	Submission of proposal subject to eligibility test (1 st step) by May- June (every year). If selected, one should conducted research for no longer than three months and submit the result and another proposal for technology development (2 nd step) by October (every year).
Selection Criteria	A R&D consortium led by a Korean or US organization in which participants from industries, academia and research community share the roles and responsibilities within a collaborative project.
Examples of funded projects	“Development of an Integrated Single Chip Module with Multi Functional Sensors using 3-D Wafer Level Package Process” (conducted by Samsung Electro-Mechanics)
Max. Grants	About KRW 1.8 billion per year, max. 5 years
Contact	Joong-Hun CHO Korea Institute for Advancement of Technology (KIAT) jhcho@kiat.or.kr +82 2 6009 3181 www.kiat.or.kr

Korea / Russia (Bilateral)

Programme Name	KORUSSIA Bilateral Collaborative R&D Fund
Website	http://korussiatech.gtonline.or.kr http://www.kiat.or.kr/01_business/business/help/work_02.asp (Not yet in English)
Programme Owner	Ministry of Knowledge Economy (MKE)
Programme Agency	Korea Institute for Advancement of Technology (KIAT)
Technology Areas	All
Innovation Phases Supported	Joint R&D
Support Instruments	R&D Funds
Submission	Mission R&D type: June-July yearly Commercial R&D type: February-March, September-October yearly
Selection Criteria	A R&D consortium led by a domestic/foreign company in which participants from industries, academia and research community share the roles and responsibilities within a collaborative project.
Examples of funded projects	(none yet)
Max. Grants	About KRW 0.5 billion per year, max. 3 years
Contact	So-Mie YUN Korea Institute for Advancement of Technology (KIAT) ssomie81@kiat.or.kr +82 2 6009 3186 www.kiat.or.kr

Korea / Spain, Finland, the Netherlands (Bilateral)

Programme Name	International Joint R&D Program 양자간국제공동기술개발사업(기술보완형)
Website	http://www.kiat.or.kr/01_business/business/help/work_12.asp (Not yet in English)
Programme Owner	Ministry of Knowledge Economy (MKE)
Programme Agency	Korea Institute for Advancement of Technology (KIAT) – Senternovem (The Netherlands) KIAT - Centre for the Development of Technology and Industry (Spain) KIAT – TEKES (Finland)
Technology Areas	NL (Biotechnology) – Spain (Aerospace) – Finland (All areas)
Innovation Phases Supported	Joint R&D
Support Instruments	Searching and defining joint R&D projects (through technology surveys, etc.) / Matchmaking R&D partners (through matchmaking events, etc.) / Evaluating and financing joint R&D projects
Submission	January to March every year The proposals are jointly evaluated and financed by both domestic and foreign funding organizations (Submitted to KIAT in Korea)
Selection Criteria	Project funding will only proceed provided both financing organisations decide to fund the same projects within the year.
Examples of funded projects	Nuri Telecom (www.nuritelecom.co.kr) : Collaboration between “ADTEL” (Technical support agency of Nuri Telecom) and “GAS Natural” (Spain)
Max. Grants	About KRW 0.25 billion per year, max. 3 years
Contacts	So-Mie YUN Korea Institute for Advancement of Technology (KIAT) ssomie81@kiat.or.kr +82 2 6009 3186 www.kiat.or.kr