

Announcement for New Proposal Application Basic Research Program in Science and Engineering for 2019

The Ministry of Science and ICT hereby announces the plan to support new proposals in basic science and engineering research in 2019 as follows.

November 6, 2018

Ministry of Science and ICT You, Young-Min
National Research Foundation of Korea Roe, Jung-Hye

1. Overview

☐ Objective

- The program aims to expand capacity in science and technology by supporting creative and challenging, yet important and essential, basic research and by nurturing excellent researchers.

☐ Program Description

- Individual Research

Program			Objectives and Comments	Eligibility	Initial Support		Renewed Projects	
					Annual Funding	Period	Annual Funding	Period
Usu Yeongu	Lideo Yeongu	Type 1	Intensive support for world-class researchers to develop new and original technologies for the future	Faculty members (tenure track, non-tenure track) at colleges or universities and researchers at public, government-funded or private research institutes	(Average) Within 800 million Won	9 years (3+3+3)	Amount within the framework of the preceding research support received	3 years
		Type 2			800-1,500 million Won	5 years (3+2)	Within 800 million won	3 years
	Jung-gyeon Yeongu	Type 1	Support for creative individual researchers to grow as leading researchers		(Average) Within 200 million Won	1-5 years	Amount within the framework of the preceding research support received (no restriction on the number of applications)	
		Type 2			(Average) More than 200 million but within 400 million Won	1-5 years		

	Sinjin Yeongu	Support to motivate young researchers and maximize their research capacity to nurture them into outstanding researchers	Faculty members (tenure track, non-tenure track) at colleges or universities and researchers at public, government-funded or private research institutes, who have obtained Ph.D. within the last 7 years or below 39 years of age	Within 100 million Won (50-100 million Won as an initial fund available to establish the required research infra-structure*)	1-5 years (1 year for the initial fund available to establish the required research infra-structure)	(Average) Within 200 million Won / 1-5 years (To be connected with the Type 1 of the Jung-gyeon Yeongu)
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* First Innovative Research Lab : An additional fund is available for newly employed faculty members to help them establish their initial research infrastructure (Fund : 50-100 million Won for the first year, excluding indirect costs. Additional funding is provided only once.).

Program		Objectives and Comments	Eligibility	Initial support		Renewed Projects	
				Annual Funding	Period	Annual Funding	Period
Saeng-ae Gibon Yeongu	Jaedoyag Yeongu	Support for researchers who previously obtained Outstanding Research projects but experienced a recent disruption in their research track and who have now returned from the hiatus (etc) and are fully available	Faculty members (tenure track, non-tenure track) at colleges or universities and researchers at public, government-funded or private research institutes ※ Qualification ** required	30 million Won, 50 million Won	1 year	-	-
	Gibon Yeongu	Support for grass-roots individual research in science and engineering to expand research infrastructure and improve national research capacity	Faculty members (tenure track) at colleges or universities and researchers at public, government-funded or private research institutes	(Average) Within 50 million Won	1-3 years	-	-
	Saeng-ae Cheot Yeongu	Support for young researchers to have more opportunities in research program and help them make an early settlement in their research activities	Faculty members (tenure track) at colleges or universities, who have obtained Ph.D. within last 7 years or below 39 years of age with no history of receiving any Basic Research Program fund in the past	(Average) Within 30 million Won	1-3 years	-	-

※ (Maximum amount of annual research funds applicable) Type 1 of the Lideo Yeongu program: 800 million Won, the Jung-gyeon Yeongu program: 400 million Won, the Sinjin Yeongu program: 100 million Won (excluding the additional fund to help them establish their initial research infrastructure), the Gibon Yeongu program: 50 million Won, and the Saeng-ae Cheot Yeongu program: 30 million Won

**<Note : Concept of the Maximum Amount of Annual Research Funds Applicable
and Example of an Application for Research Fund>**

- ▶ Average research fund: The amount of total research fund divided by the total research period during the total research period
 - Average research fund = Total research fund ÷ total research period
- ▶ Maximum amount of annual research funds applicable : The maximum limit of research funds that can be applied by a researcher per year
- ▶ (Example) Example of Type 1 of the Jung-gyeon Yeongu (annual average research fund of 200 million Won or lower, the maximum annual research fund applicable of 400 million Won)
 - In the case where a researcher applies for 「400 million Won (for the first year) → 80 million Won (for the second year) → 60 million Won (for the third year)」, the annual average research fund will be 180 million Won. As the researcher has applied within the annual maximum applicable limit of 400 million Won, he/she can apply.

** Based on the commencement date of the Jaedoyag Yeongu program, researchers who have not been selected for the new program for 2019 after the termination of the Usu Yeongu program (Lideo Yeongu, Jung-gyeon Yeongu, Sinjin Yeongu) within a year (but excluding those who are carrying out other national research and development program including the Group Research program).

○ Group Research

Programs		Objectives and comments	Eligibility	Annual Funding	Period (Maximum)
Seondo Yeongu Senteo	Ihag Bun-ya (SRC)	Strengthen the national capacity for basic research, such as the formation of new theories and resolution of scientific challenges, by cultivating outstanding research groups	Research group of about 10 researchers at one or more university with science and engineering graduate schools	Within 1,560 million Won	7 years (4+3) (Possible to renew for an additional 3 years)
	Gonghag Bun-ya (ERC)	Achieve basic research outcomes that can be applied to original and application research projects by nurturing outstanding engineering groups and serve as a hub of industry-academia collaboration		Around 2,000 million Won	
	Gichouigwahag Bun-ya (MRC)	Strengthen national research capacities in bio and medical fields by cultivating outstanding research groups in the Western and Oriental medical, dental and pharmaceutical sciences studying vital phenomena and disease mechanisms in humans	Research group of about 10 researchers at a single university with a graduate school of basic medical sciences (Western and Oriental medical, dental, and pharmaceutical)	Within 1,400 million Won	7 years (4+3)
	Yunghab Bun-ya (CRC)	Cultivate interdisciplinary convergence research groups capable of addressing new and diverse social problems and public demands and create world-class innovative knowledge	Research group of about 15 researchers at a university with graduate schools of science and engineering and in humanities/sociology/arts	Within 2,000 million Won	
	Jiyeogteughwa Bun-ya (RLRC)	Intensively support outstanding researchers and regional hubs in regional universities; foster regionally specialized R&D programs through industry-academia collaboration; nurture outstanding research personnel	A research consortium composed of non-Seoul universities and other organizations (e.g. university, etc.) in the same region	Within 1,500 million Won	
Gichoyeongusil		Strengthen basic research capacities by encouraging the formation of small-scale research groups focusing on specific research topics	Group of 3 to 5 university professors in science and engineering	Within 500 million Won	3 years (Possible to renew for an additional 3 years)

※ SRC: Science Research Center

ERC: Engineering Research Center

MRC: Medical Research Center

CRC: Convergence Research Center

RLRC: Regional Leading Research Center

2. 2019 New Projects Funding Scale (plan)

○ Funds will be provided to either “Initial Support”, i.e., those initially funded in 2019, or “Renewed Projects,” for outstanding projects normally scheduled for termination in 2019.

- Application for new projects are limited to “Initial Support”, and guidelines for “Renewed Projects” will be provided separately to the principal investigator for submission, evaluation and selection.

(Unit : project, million Won)

Program				New Projects (Total)		Initial Support		Renewed Projects [*]	
				Number of projects	Total budget	Number of projects	Total budget	Number of projects	Total budget
Individual Research	Usu Yeongu	Lideo Yeongu	Type 1	6	2,250	5	3,700	1	800
			Type 2		2,250				
		Jung-gyeon Yeongu	Type 1	1,271	136,417	751	115,134	520	57,283
			Type 2		36,000				
		Sinjin Yeongu		453	56,757	453	56,757	-	
	Saeng-ae Gibon Yeongu	Jaedoyag Yeongu		400	20,000	400	20,000	-	
		Gibon Yeongu		1,600	60,000	1,600	60,000	-	
		Saeng-ae Cheot Yeongu		336	10,055	336	10,055	-	
	Subtotal			4,066	323,729	3,545	265,646	521	58,030
Group Research	Seondo Yeongu Senteo			12	12,915	10	10,245	2	2,670
	Gichoyeongusil			22	5,745	16	4,000	6	1,745
	Subtotal			34	18,660	26	14,245	8	4,415
Total				4,100	342,389	3,571	279,891	529	62,445

* (Renewed Projects) Supports may not be given when there is no qualified project to be selected.

※ This plan is subject to change according to budget approval by the National Assembly and the number of the new projects is also subject to change depending on budget conditions.

3. Eligibility

☐ Number of projects for application and selection

○ **(Application) Principle investigator or collaborators** may apply for,

※ Collaborators selected for an individual research project in 2016 or later are restricted from submitting an application as a principal investigator or collaborator of a new individual research project.

- **Up to 2 projects for the first-round application during 2019 first half** (one for Lideo Yeongu, one for Jung-gyeon Yeongu / Sinjin Yeongu / Saeng-ae Gibon Yeongu)

- **Up to 1 project for the second-round application during 2019 first half** (one for Group Research)

- **Up to 1 project for the third-round application during 2019 first half** (one for Gibon Yeongu)

※ Applicants for Hagmun-gyunhyeong-baljeon program (supported by the Ministry of Education) cannot apply for Gibon Yeongu.

- **Up to 1 project during 2019 second half** (one for Jung-gyeon Yeongu / Saeng-ae Gibon Yeongu)

○ **(Selection) Among the applications, 1 project in Individual Research program* and 1 project in Group Research program shall be selected.**

- Individual Research : Usu Yeongu (Lideo Yeongu, Jung-gyeon Yeongu, Sinjin Yeongu), Saeng-ae Gibon Yeongu (Gibon Yeongu, Saeng-ae Cheot Yeongu), Hagmun-gyunhyeong-baljeon, Hagmun-husog-sedae

- Group Research : Seondo Yeongu Senteo, Gichoyeongusil, Daehagjungjeom-yeonguso

* In case where an applicant is simultaneously selected as the principal investigator or a collaborator for two programs, the higher-level research program shall be given priority and selected (Lideo Yeongu > Jung-gyeon Yeongu · Sinjin Yeongu · Saeng-ae Gibon Yeongu · Hagmun-gyunhyeong-baljeon program (supported by the Ministry of Education)).

Instructions

- ▶ In the case where an applicant is simultaneously selected as the principal investigator for both Lideo Yeongu and Group Research (Seondo Yeongu Senteo, Gichoyeongusil, and Daehagjungjeom-yeonguso), the Group Program only will be funded and thus supports will not be given to the Lideo Yeongu program.

< Number of Basic Research Programs for Application and Selection >

Program			Application				Selection
			※ Submission deadlines are given in the brackets ().				
			First half			Second half (Early June/July 2019)	
First-round (Early December 2018)	Second-round (Early February 2019)	Third-round (Early March 2019)					
Individual Research	Usu Yeongu	Lideo Yeongu	1	-	-	-	1
		Jung-gyeon Yeongu	1	-	-	1	
		Sinjin Yeongu				-	
	Saeng-ae Gibon Yeongu	Saeng-ae Cheot Yeongu	-	-	1		
		Jaedoyag Yeongu	1	-	-	1	
		Gibon Yeongu	-	-	1	-	
Group Research		Seondo Yeongu Senteo, Gichoyeongusil	-	1	-	-	1

* A qualified applicant can apply for the Jaedoyag Yeongu program simultaneously at the time of the application for the Usu Yeongu program.

※ The application period is subject to change depending on project implementation and budget conditions.

※ The programs supported by the Ministry of Education will be notified separately.

☐ **Restriction on Application and Participation**

☐ **Restriction on applications due to current research projects**

- **Principal investigators and collaborators* who are already conducting Individual Research program may not apply as a principal investigator or a collaborator for a new Individual Research program.**

* Excluding collaborators selected in or before 2015

- **Principal investigators and collaborators who are already conducting Group Research program may not apply as a principal investigator or a collaborator to the Group Research program.**

※ Individual Research : Usu Yeongu (Lideo Yeongu, Jung-gyeon Yeongu, Sinjin Yeongu), Saeng-ae Gibon Yeongu (Gibon Yeongu, Saeng-ae Cheot Yeongu), Igonghag-gaein-gicho Yeongu, Hagemun-gyunhyeong-baljeon, Hagemun-husog-sedae

※ Group Research : Seondo Yeongu Senteo, Gichoyeongusil (including Geullobeolyeongusil), Daehagjungjeom-yeonguso

Exceptions

- ▶ Researchers whose ongoing project is scheduled to terminate within 10 months from the commencement date of the new project may submit an application.
- ▶ Jaedoyag Yeongu participants (nevertheless, cannot apply to Gibon Yeongu program)

○ One project for one researcher

- Participants of an Individual Research can conduct only one project as a principal investigator or collaborator*.
- * Excluding collaborators selected in or before 2015
- Participants in a Group Research can conduct only one project as a principal investigator or collaborator.

Exceptions

- ▶ Researchers whose ongoing project is scheduled to terminate within 10 months from the commencement date of the new project may submit an application.
- ▶ Jaedoyag Yeongu participants (nevertheless, cannot conduct Gibon Yeongu program at the same time)

○ Minimum participation rate of the Basic Research Program (in the case of a principal investigator)

Project	Lideo Yeongu	Jung-gyeon Yeongu	Sinjin Yeongu	Seondo Yeongu Senteo	Gichoyeongusil
Minimum Participation Rate	70%	30%	20%	60%	40%

- ※ The participation rate of collaborators of the Lideo Yeongu program should be 30% or more, and core researchers of the Seondo Yeongu Senteo should be 20% or more.

○ Consideration in national R&D program

- **(Three Projects as Principal Investigator and Five Projects as Collaborator Rule)** The number of projects that researchers can conduct simultaneously should be 5 or fewer, among which the researcher can participate as a principal investigator should be 3 or fewer.

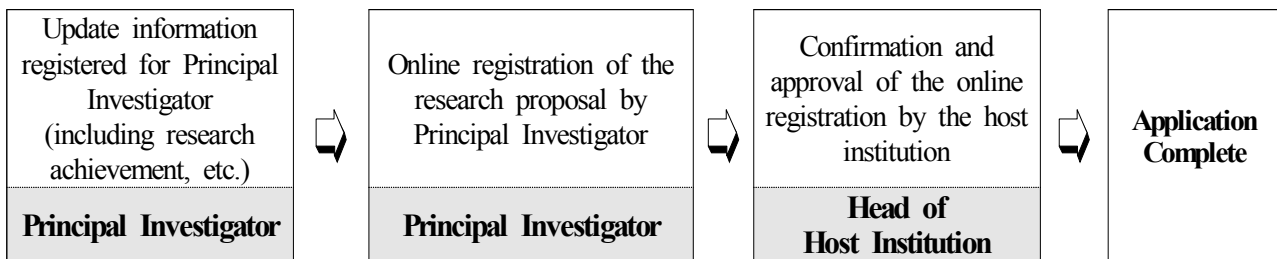
Exceptions

- ▶ Projects scheduled for termination within 4 months from the application deadline, Sinjin Yeongu projects selected in or before 2015 (including projects under the Sinjin Yeongu program selected for a renewed support in 2016-2018), Gibon Yeongu program
- ▶ Projects selected after 2016 and funded with an annual average of 50 million Won or less

- **(Restriction on participation)** Researchers restricted from participating in national R&D projects can apply for and participate in new projects only when the restriction period ends before the proposal submission deadline.

4. Application Procedure

- Log in to the NRF's Integrated Research Support System (ernd.nrf.re.kr) for the registration of the research proposal and then acquire an approval from the principal host institution (affiliated institute).



5. Evaluation Process

Program		First round evaluation method	Second round evaluation method
Lideo Yeongu		Panel Discussion	Overseas Peer Review + Presentation + Discussion
Jung-gyeon Yeongu, Sinjin Yeongu	100 million Won on average or less	Online Review	-
	Between 100 and 200 million Won on average	Panel Discussion	-
	Between 200 and 400 million Won on average	Panel Discussion	Presentation
Gibon Yeongu		Online Review	-
Saeng-ae Cheot Yeongu		Panel Discussion	-
Seondo Yeongu Senteo, Gichoyeongusil		Panel Discussion	Presentation
		Panel Discussion	Presentation

※ The Sinjin Yeongu program is evaluated based on the blind review method.

※ The review process is subject to change depending on the detailed evaluation plan.

6. Evaluation Process for Project Expenditure and Period (for the Jung-gyeon Yeongu, Sinjin Yeongu programs)

- In addition to the contents of a research project, there will be reviews and adjustments on the appropriateness of each project's expenditure and period.

<Adjustment Method>

Project	Division	Adjustment Method of Project Expenditure and Period
Jung-gyeon Yeongu, Sinjin Yeongu	100 million Won on average or less	Online review → Panel Discussion
	Between 100 and 200 million Won on average	Panel Discussion
	Between 200 and 400 million Won on average	Presentation

7. Application Period

※ Important

- Applicants should check that the application is marked as “Completed” on the NRF web site before the deadline. **(Please note that the complete submission of the application cannot be guaranteed if it is still listed as “In Process” on the web site.)**

☐ [First-round (first half) - Individual Research] Lideo Yeongu, Jung-gyeon Yeongu · Sinjin Yeongu · Saeng-ae Cheot Yeongu

- Application Period : 9:00 on November 28, 2018 (Wednesday) - 18:00 on December 6, 2018 (Thursday)
- Approval from Host Institute : 9:00 on November 28, 2018 (Wednesday) 9:00
- 18:00 on December 10, 2018 (Monday)

- ※ A qualified applicant can apply for the Jaedoyag Yeongu simultaneously at the time of the application for the Usu Yeongu programs (Lideo Yeongu, Jung-gyeon Yeongu and Sinjin Yeongu).
- ※ Application for First Innovative Research Lab additional fund is announced separately after March, 2019.

☐ [Second-round (first half) - Group Research] Seondo Yeongu Senteo · Gichoyeongusil

- Application Period : 9:00 on January 21, 2019 (Monday) - 18:00 on January 30, 2019 (Wednesday)
- Approval from Host Institute : 9:00 on January 21, 2019 (Monday)
- 18:00 on February 1, 2019 (Friday)

☐ [Third-round (first half)] Gibon Yeongu

- Application Period : 9:00 on February 21, 2019 (Thursday) - 18:00 on March 6, 2019 (Wednesday)
- Approval from Host Institute : 9:00 on February 21, 2019 (Thursday)
- 18:00 on March 8, 2019 (Friday)

☐ [First-round (second half)] Jung-gyeon Yeongu · Saeng-ae Cheot Yeongu

- Application Period : Announced by May 2019
- ※ A qualified applicant can apply for the Jaedoyag Yeongu simultaneously at the time of the application for the Usu Yeongu programs (Lideo Yeongu, Jung-gyeon Yeongu and Sinjin Yeongu).

8. Timeline (Draft)

Timeline	Content
November 2018	<ul style="list-style-type: none"> • Announcements of applications for new projects for 2019 • Reception of the applications for the new first-round (first half) Individual Research (Lideo Yeongu, Jung-gyeon Yeongu · Sinjin Yeongu · Saeng-ae Cheot Yeongu)
January 2019	<ul style="list-style-type: none"> • Reception of the applications for the new second-round (first half) Group Research (Seondo Yeongu Senteo · Gichoyeongusil)
February 2019	<ul style="list-style-type: none"> • Reception of the applications for the new third-round (first half) Individual Research (Gibon Yeongu)
March 2019	<ul style="list-style-type: none"> • Commencement of the first-round (first half) Individual Research (Jung-gyeon Yeongu · Sinjin Yeongu · Saeng-ae Cheot Yeongu)
May 2019	<ul style="list-style-type: none"> • Reception of the applications for the new first-round (second half) Individual Research (Jung-gyeon Yeongu · Saeng-ae Cheot Yeongu) (Scheduled)
June 2019	<ul style="list-style-type: none"> • Commencement of the new first-round (first half) Individual Research (Lideo Yeongu) (Scheduled) • Commencement of the new third-round (first half) Individual Research (Gibon Yeongu) (Scheduled) • Commencement of the new first-round (second half) Group Research (Seondo Yeongu Senteo · Gichoyeongusil) (Scheduled)
September 2019	<ul style="list-style-type: none"> • Commencement of the new first-round (second half) Individual Research (Jung-gyeon Yeongu · Saeng-ae Cheot Yeongu) (Scheduled)

※ The timeline above is subject to change.

9. Other Information

☐ Information on Acknowledgement

- When the outcome of the project is published in a research journal, the paper should include the acknowledgement as shown below.

▶ In Korean

이 성과는 정부(과학기술정보통신부)의 재원으로 한국연구재단의 지원을 받아 수행된 연구임(No. 한국연구재단에서 부여한 과제 관리번호).

▶ In English

This work was supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government (MSIT) (No. NRF Project Number).

※ MSIT: Ministry of Science and ICT

※ The phrase “This work” can be replaced with the title to be published in the research journal or registered in the patent document.

☐ Dispatch of Principal Investigators to Domestic or Overseas Institutes

- When a principal investigator is dispatched to a domestic or overseas research institute for 6 months or longer from the commencement date of the project, a prior approval should be obtained.
 - ※ If a principal investigator is already dispatched on the commencement date of the project, an approval should be acquired from the host institute immediately.

☐ Mandatory Online Research Ethics Course

- From 2018 the principal investigator of a Basic Research project should complete the online research ethics course* after the commencement of the project (If the principal investigator fails to complete the course, the next year's annual implementation plan cannot be submitted and accepted.).
 - * Researchers shall sign up for either [Research Ethics for the Principal Investigator] or [Research Ethics for the Collaborators] in accordance with their position and field of study.
 - Designated course provider : Korea Institute of Human Resources Development in Science and Technology (KIRD, www.kird.re.kr)
 - Inquiries on the online course: KIRD E-learning (1588-5834)

10. Inquiries

- Policy-related inquiries: Basic Research Promotion Division, Ministry of Science and ICT (02-2110-2373, 2376)
- Inquiries on an application for programs : NRF Advanced Research Program Team

Division		Contacts
Usu Yeongu	Lideo Yeongu	Research Fellow Moon Sung-Goo (042-869-6822)
	Jung-gyeon Yeongu	Researcher Kim Sang-In, Researcher Kim Hyung-Gun (042-869-6823~4)
	Sinjin Yeongu	Researcher Choi Ho-Sung (042-869-6821)
Saeng-ae Gibon Yeongu	Jaedoyag Yeongu	Advanced Research Program Team (042-869-6821~4)
	Gibon Yeongu	Researcher Choi Ho-Sung (042-869-6821)
	Saeng-ae Cheot Yeongu	Researcher Kim A-Yeon (042-869-6622)
Seondo Yeongu Senteo		Researcher Ham Hwa-Jeong (042-869-6826)
Gichoyeongusil		Research Fellow Cho Seok-Min (042-869-6630)

< Note > Major Improvements of Basic Research Program in Science and Engineering
from 2016

Concept	Content	Program
Reformed support system for Basic Research Program in Science and Engineering	<ul style="list-style-type: none"> ○ (Individual Research) The support system for the Basic Research Program has been so reformed as to achieve an ideal balance between excellence and stability of the system. <ul style="list-style-type: none"> - More support for the Usu Yeongu programs (with an increase in research funds) - Introduction of the Saeng-ae Cheot Yeongu programs* (for the expansive research safety net) * Jaedoyag Yeongu, Gibon Yeongu, Saeng-ae Cheot Yeongu ○ (Group Research) Introduction of RLRC with the aim of fostering regional strategic research activities 	Basic Research Program in Science and Engineering
Improved research funding system to meet the specific needs of researchers	<ul style="list-style-type: none"> ○ Researchers can apply for research funding and period* in accordance with their research theme and field of study. <ul style="list-style-type: none"> * (Example) Annual 50/100/300 million Won × 3 years <ul style="list-style-type: none"> → Annual 50-300 million Won × 1-5 years → Within annual 200 million Won, 1-5 years ※ The concept of annual average research expenditure has been introduced in the application process since 2019 in order to give more discretion for researchers to determine their research period. - Funding of the equal amount each year → Funding of different amount within the range of average research expenditure. ※ (Example) 100 + 100 + 100 million Won <ul style="list-style-type: none"> → 150 + 60 + 90 million Won 	Sinjin Yeongu, Jung-gyeon Yeongu

Concept	Content	Program
Long-term · stable research support	<ul style="list-style-type: none"> ○ The research period of the Sinjin Yeongu program and the Jung-gyeon Yeongu program has been expanded (from 3 years to 5 years) and more opportunities are given for renewed projects.* * Select 15-20% of the submitted project → About 30% of submitted project; From 2019 outstanding Sinjin Yeongu projects can receive research funding continuously in connection with the Jung-gyeon Yeongu program. - The restriction on the number of applications for renewed Jung-gyeon Yeongu projects has been abolished (Those who already participate in other renewed projects can apply for renewed Jung-gyeon Yeongu projects.). ○ An application for a new Basic Research project is allowed before the termination of the Lideo Yeongu project and additional supports for renewed projects are made available (for 3 years, within 20% of the submitted project). ○ Renewed projects have been made available for S/ERC selected in or after 2011. ※ For outstanding research project (within 20% of total), renewed projects can be continuously carried out up to three years. 	<p>Sinjin Yeongu, Jung-gyeon Yeongu, Lideo Yeongu, Seondo Yeongu Senteo</p>
More support for Young Researchers	<ul style="list-style-type: none"> ○ Support (50-100 million Won) for ‘First Innovative Research Lab’ - The principle investigators of the Sinjin Yeongu program are provided with additional funding to set up their initial research infrastructure and purchase research equipment. ○ Support (within 300 million Won) for ‘Saeng-ae Cheot Yeongu’ - For tenure-track faculty members of universities with no history of receiving funding for a Basic Research project, who have obtained their Ph.D. within last 7 years or below 39 years of age ※ The ‘Saeng-ae Cheot Yeongu’ is to be changed to ‘Saeng-ae Gibon Yeongu’ from 2019. 	<p>Sinjin Yeongu, Saeng-ae Gibon Yeongu</p>

Concept	Content	Program
Simplification of the project administrative documents	<ul style="list-style-type: none"> ○ Project administrative documents are simplified in order to help researchers concentrate their time and effort on research activities and relieve them of administrative burdens. - Research proposal of the Individual Research: Related forms are simplified to get rid of overlapping forms and unnecessary items. <ul style="list-style-type: none"> ※ Sinjin Yeongu: 20 → 5 pages Jung-gyeon Yeongu: 30 → 10 pages - Annual / mid-term / final reports of the Individual Research: Focus of the reports on research performance has been shifted to research process. - Research proposal of the Group Research: Stricter restrictions on the pages of the proposal with more focus on explaining the necessity of a group project <ul style="list-style-type: none"> ※ Seondo Yeongu Senteo: 70 → 35 pages Gichoyeongusil: 25 → 15 pages - Annual / mid-term / final reports of the Group Research: Stricter restrictions on the pages of the proposal with more focus on explaining the national and social importance of the group project in question 	<p>Sinjin Yeongu, Jung-gyeon Yeongu, Seondo Yeongu Senteo, Gichoyeongusil</p>
Changes in criteria for evaluation	<ul style="list-style-type: none"> ○ The evaluation method is now based on the annual average research expenditure in order for researchers to determine their research period and to promote long-term projects. - Based on the annual average research expenditure (100 million Won or less / between 100 million Won and 200 million Won / more than 200 million Won) 	<p>Sinjin Yeongu, Jung-gyeon Yeongu</p>
Streamlined evaluation process	<ul style="list-style-type: none"> ○ Annual inspections and mid-term evaluations have been abolished for the Sinjin Yeongu program and the Jung-gyeon Yeongu program with more focus on a faithful implementation of the project. ○ Final evaluations have been abolished for the Sinjin Yeongu program, and the Jung-gyeon Yeongu program whose annual average research expenditure is 100 million or less / Saeng-ae Gibon Yeongu - In evaluation for selection, the recent final reports over the past five years can be submitted to the evaluation panel in addition to other documents. 	<p>Basic Research Program in Science and Engineering</p>

Concept	Content	Program
<p>Evaluation that respects the research process and introduction of designated evaluation panels</p>	<ul style="list-style-type: none"> ○ In mid-term and final evaluation, the evaluation criterion has been changed from ‘Success/Failure’ to ‘Faithful/Unfaithful.’ - The performance level is evaluated only for the projects whose implementation is evaluated as ‘Faithful.’ ○ In the stage evaluation of a Lideo Yeongu project, the rule of 「Mandatory Shutdown of the Support for the Lowest 10%」 has been abolished. <ul style="list-style-type: none"> ※ Nonetheless, it is still possible to stop supporting the projects whose implementation is evaluated as ‘Unfaithful.’ ○ Designated evaluation panels are introduced to achieve more effective stage / final evaluations based on professional consultations. 	<p>Basic Research Program in Science and Engineering</p>
<p>Consideration of non-regular principal investigator and those who are pregnant or caring for her child(ren)</p>	<ul style="list-style-type: none"> ○ More reasons are considered and accepted for a stop of the project in the case of a non-regular principal investigator. <ul style="list-style-type: none"> ※ An interruption of the project due to the employment of a non-regular temporary principal investigator by other schools or institutes, which inevitably resulted in the stop of the project, will be considered as an legitimate reason for the stop of the project. ○ The research period can be extended (up to 2 years) in the case of maternity leave. 	<p>Basic Research Program in Science and Engineering</p>