

# EU-ROK COLLABORATION

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# Introduction

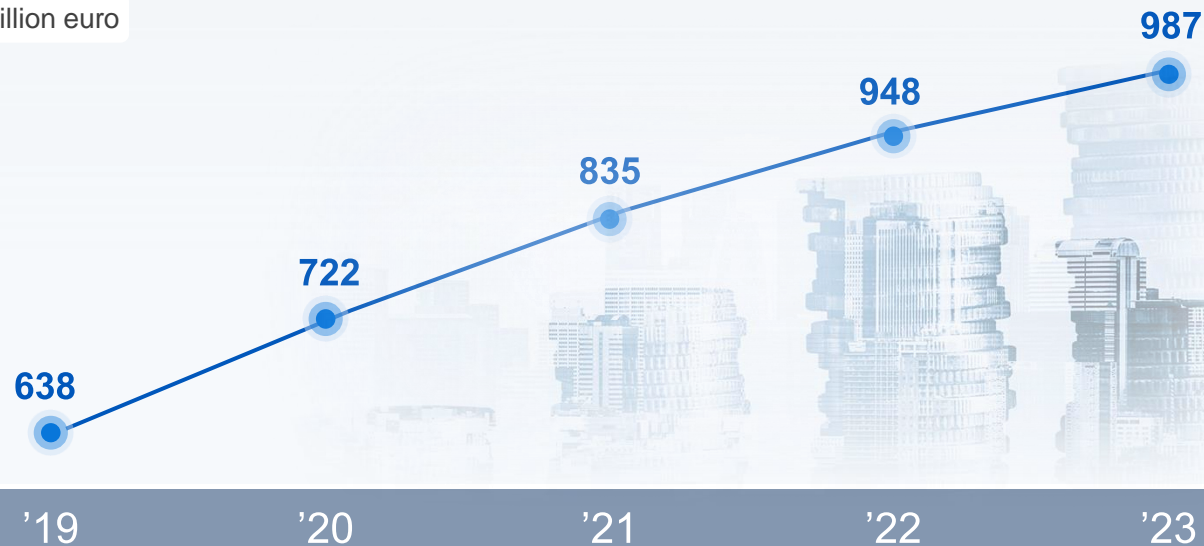


- IITP is the national funding agency for ICT R&D of South Korea under responsibility of 'Ministry of Science and ICT'(MSIT)

### IITP Budget ('23)

**987 million euro** (1 EUR = 1,450 KRW)

● million euro



Year

## Background

- ROK(IITP) and EU(DGCONNECT) have been close partners collaborating in the field of next-generation communications since 2016

### Phase 1

2016~2018

#### 5G Champion



Demonstrating a media transmission service that enables users to watch 3D images without glasses on a running bus during the 2018 Pyeong-Chang Winter Olympics

### Phase 2

2018~2021

#### 5G-ALLSTAR



World's first demonstration of 5G services such as 8K video streaming, VR games, and 360-degree real-time webcam based on 5G-satellite intercontinental multi-network

2018~2021

#### PriMO-5G



A joint publication about block chain-based concepts that distribute AI algorithms in next generation communication won the IEEE Heinrich Hertz Award

- Based on the ROK-EU Digital Partnership('22.11), both sides agreed to strengthen collaborative research on 'beyond 5G and 6G'.

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# Korean funding for the EU-ROK project

## Brief info for the Korean side project



### Name of Program

» Collaborative Research Program on Digital Innovative Technology

세부사업명 : 디지털혁신기술국제공동연구



### Name of WP

» (ROK-EU Collaborative research) Development of Beyond 5G and 6G wireless communication technologies using AI

과제명 : (한-EU 공동연구) AI를 활용한 Beyond 5G, 6G 무선통신 기술 개발



### Research Objective and expected outcome

» Same as EU's WP

- ✓ EU-ROK research collaboration in targeting Radio Access Networks (RAN) and integrated device-network approaches, evolving through 6G standardization discussions and paving the way for future advancements towards AI-native radio access networks
- ✓ Application of AI/ML algorithms to wireless networks for the automation of base station management, and to user terminal traffic, for optimizing various base station control parameters for network energy saving or network failure recovery
- ✓ Definition of an architecture framework addressing interoperability needs, that future 6G products have to achieve. Contribution to interoperability specifications through related standardization activities for existing and new interfaces
- ✓ Alignment of views on radio interface concepts to support demanding 6G applications and services for future exploitation in international standardization

## Brief info for the Korean side project



### Duration

» **(ROK) 36 Months** (Sep 2024 ~ Aug 2027)

※ (EU) Jan 2025~



### Total Funding for Korean consortia

» **2.06 million EUR** (≈ 3 billion KRW)

(1 EUR = 1,450 KRW)



### Eligibility



» Korean consortia can be led by either research institutes, universities, or enterprises legally established in Korea.



» Participation of overseas institutes, universities and other organizations is welcome as self-funded participants.



» But overseas institutions' domestic corporations legally established in Korea can participate as Korean consortia.



» However, there will be a pre-examination (eligibility review) to determine whether an institution, organization, or researcher is subject to any restriction in participation.



» Please feel free to contact us if you have any questions.  
(e-mail : [jehong@iitp.kr](mailto:jehong@iitp.kr))






## Details

### Schedule

Call open	Info Day	Evaluation	Launch
Feb 5 <sup>th</sup> ~ Apr 15 <sup>th</sup>	Feb 16 <sup>th</sup>	June~July	Sep 1 <sup>st</sup>

### How to apply

- 
 » In Korea, the participants will have to submit a formal application through the IRIS system (<https://iris.go.kr>).
- 
 » This call will open on Feb 5<sup>th</sup> and will be conducted in Korean language.
- 
 » Many calls will use the IRIS system. Please feel free to contact us if you have any trouble in finding this call. (e-mail : jehong@iitp.kr)

## Funding Rate

### Funding Rate

- » Government funds have different rates for their funding criteria depending on the size of enterprises

Small Enterprises	Middle-standing Enterprises	Large or Public Enterprises
Up to 75% of the R&D expenses of the relevant R&D institution per year	Up to 70% of the R&D expenses of the relevant R&D institution per year	Up to 50% of the R&D expenses of the relevant R&D institution per year

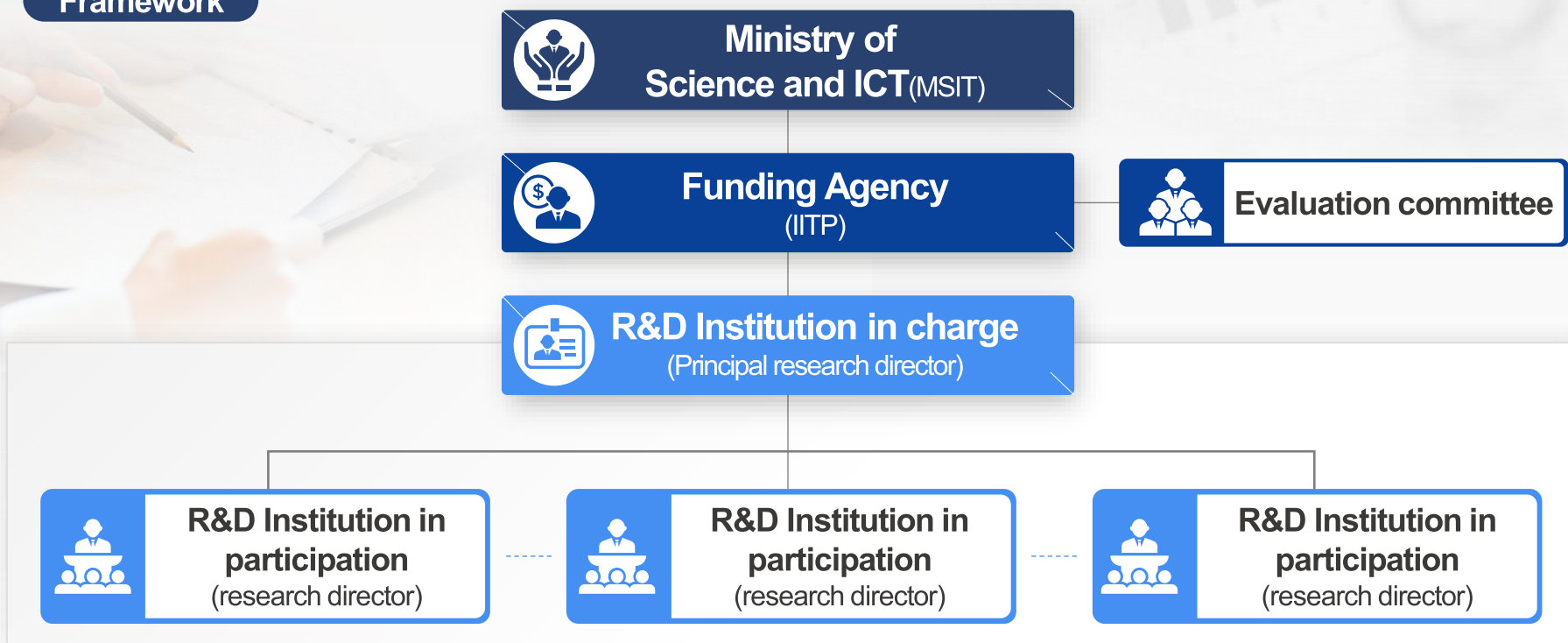
### Contribution in Cash

- » Enterprises need to contribute a portion of R&D expenses in cash as follows:

Small Enterprises	Middle-standing Enterprises	Large or Public Enterprises
More than 10% of the total contribution of each enterprise	More than 13% of the total contribution of each enterprise	More than 15% of the total contribution of each enterprise

## ▶ Korean R&D Project Framework

### Framework



### ETC

- ✓ All Korean R&D follows Korean 「National Research And Development Innovation Act」
- ✓ Details will be available in the upcoming official call



03

FAQ

Question

Q1



✓ Is It Expected That The Awarding Of Funding For Both The EU And The Korean Partners Will Be Synchronized, As The Case Of Joint Calls?

.... **Answer** ➔ **No**, this call is not a joint call, but a **loose collaboration**. Therefore, funding, schedule for the call, and criteria of selection are different.

- ➔ It means that Korean researchers and EU researchers don't make one team to make ONE proposal even if IITP and SNS JU made and announced the same WP.
- ➔ Korean team will submit a proposal to IITP, and EU team will submit a proposal to SNS JU.
- ➔ IITP will select the Korean winner team with Korean criteria, and SNS JU will select EU winner team with EU criteria respectively.
- ➔ Nevertheless, both side's winner teams are invited to propose specific cooperation activities to be carried out. One of these cooperation activities is that Korean team and EU team should publish joint papers during the research period.

✓ Any Security Provisions for this collaborative research?

Question

Q2



.... **Answer** ➔ **Not for now**, however, concerning security provisions, legislation is in the process. Therefore, there may be security provisions when the call opens. Please refer to the Korean Call.



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**For more Information**



## Point of Contact

### Manager of EU-ROK Collaboration

Mr. Jin-eui HONG  
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Cooperation Team, IITP  
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Specific information for the  
Korean call will be uploaded  
in this website

[www.iris.go.kr](http://www.iris.go.kr)

The screenshot shows the IRIS website homepage. At the top, there is a navigation bar with links for 'IRIS 소개', '사업정보', '알림-고객', and 'R&D 정보서비스'. The main content area features a large blue banner with the text 'IRIS 범부처 평가위원 후보단 등록 안내'. Below the banner, there is a 'Quick Menu' section with icons for 'R&D 제도 개선 제안', '사업사건안내', '공지사항', '수요조사', '사업공고', '공모예고', and '온라인예능일'. To the right, there are buttons for 'R&D 업무포털', '국가연구자 변호찾기', and '국가연구자 정보시스템'. The main content area is divided into sections for '사업공고', '공모예고', and '사업설명회'. The '사업공고' section is currently selected, showing a list of announcements with columns for '전체', '접수중', '접수예정', '장부처', and '전문기관'. The announcements include:
 

- 중소기업기술장비지원용 테스트 공고
- 농림축산식품부 농림식품기술기획평가원 2024년도 기술사업화지원사업 시행계획 공고
- 농림축산식품부 농림식품기술기획평가원 2024년도 고위험동물감염병대응기술개발사업 시...
- 농림축산식품부 농림식품기술기획평가원 2024년도 농식품과학기술융합형연구인력양성사업...
- 농림축산식품부 농림식품기술기획평가원 2024년도 농생명마이크로바이옴혁신기술기반구축...
- 과학기술정보통신부 한국연구재단 2024년도 합성생물학핵심기술개발사업 신규과제...



# Thank you



Institute of Information  
& Communications  
Technology Planning & Evaluation