

CELTIC-NEXT Online Proposer's Day 7th of September 2022

Funding Opportunity of South Korea

7 Sep 2022

6. September. 2021



Ministry of Trade,
Industry and Energy



Contents

1. Innovation in South Korea
2. Funding Opportunity
3. National Funding Rules
4. R&D Partners in Korea



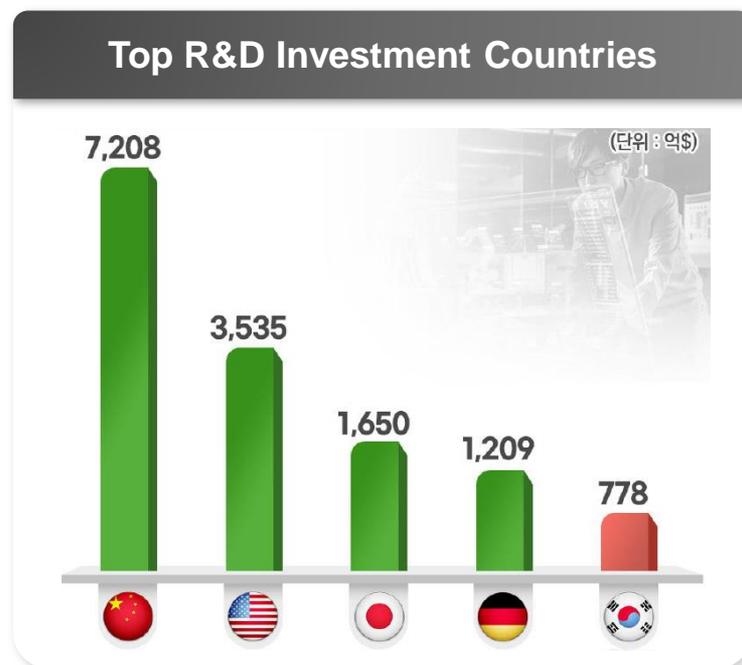
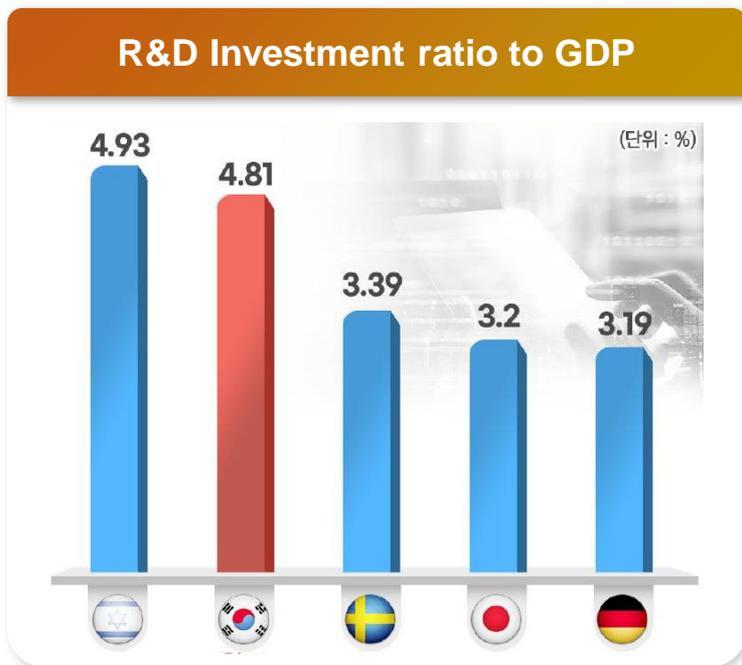


01 Innovation in South Korea

01 Innovation in Korea

R&D Investment in Korea

- ✓ R&D investment of Korea has been increased continuously to amount of 110 trillion won (app. 81 billion €) in 2021
- ✓ 2nd ranked in investment ratio to GDP, 5th ranked in nominal investment figures (OECD, '20)



Private Sector 77%



Public Sector 23%

01 Innovation in Korea

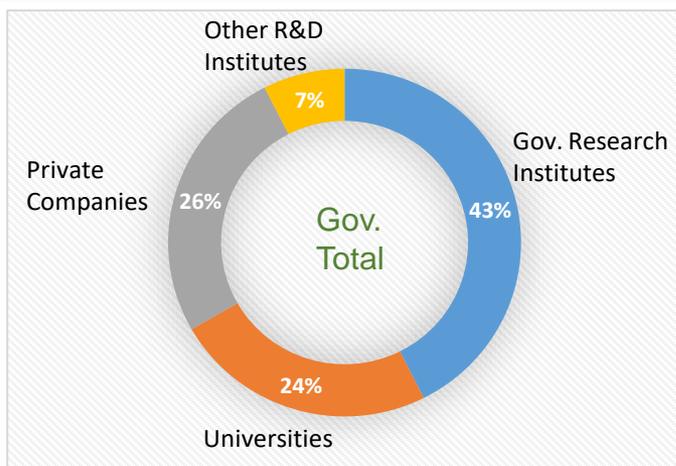
R&D Investment of the MOTIE (Ministry of Trade, Industry & Energy)

✓ Korean Gov. R&D budget is **29.77 Trillion won** in 2022 (app. 22.1 billion €)

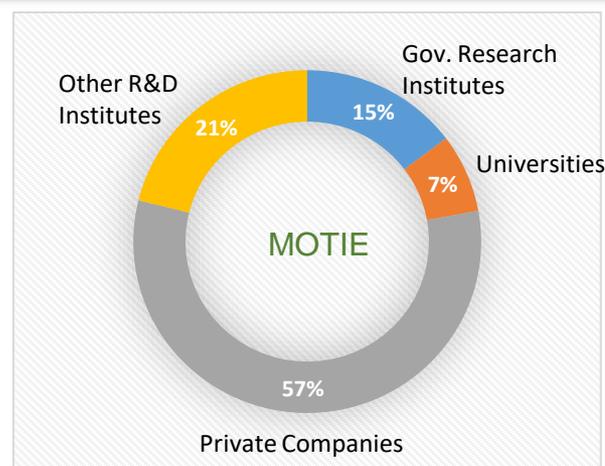


✓ The MOTIE, as a main governing body for the “Industrial Technology”, is targeting to support **applicable technology R&D** and the **industry driven R&D**

R&D Budget expenditure by types of entities of the KR Gov. (2020, %)



R&D Budget expenditure by types of entities of the MOTIE (2020, %)



01 Innovation in Korea

Global R&D Strategy for the Industrial Technology

International R&D cooperation roadmap

✓ Invest in international joint R&D for strategic key technology with Tech. advanced countries

➔ Technology cooperation for the global leading tech. in the advanced strategic industries, supply chains, and digital transformation



Semiconductor

EUV, Photoresist materials technology

Battery

High density charging technology



Bio Medical

Bio signal monitoring technology

AI

Neuromorphic computing



Hydrogen

Hydrogen based ironmaking technology

Recycling

Wast plastic recycling technology



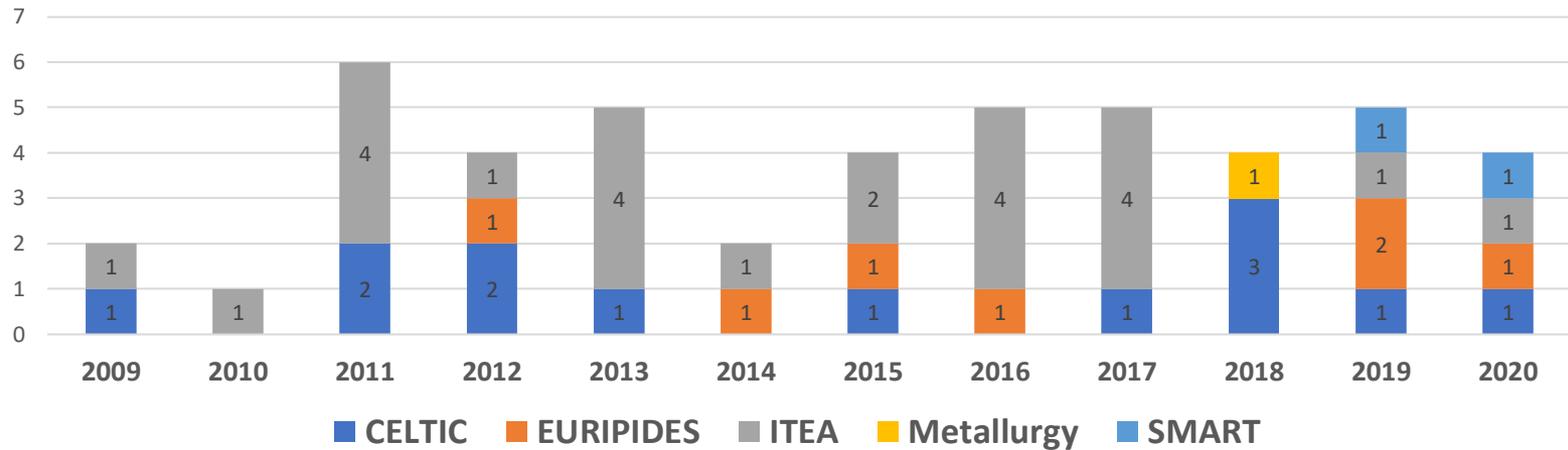
Traffic efficiency technology, 6G, IoT, etc.



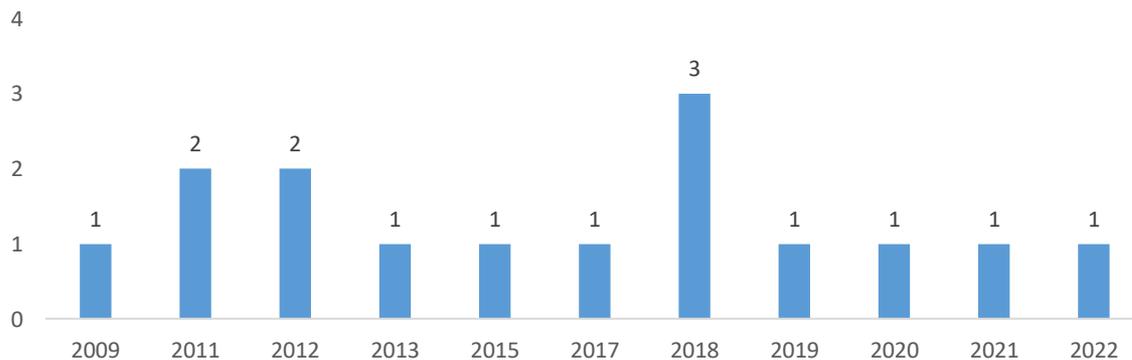
02 Funding Opportunity For Cluster Program (Celtic-Next)

02 Funding Opportunity

Cluster Projects of KR



Celtic-Next Projects of KR



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Support the **Open Innovation** of Korean R&D Entities
Through **International Technological Cooperation**

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■ Funding Plan of South Korea to Celtic-Next calls (MAP)

- The name of the program is “International Cooperation Program for Industrial Technology”
- South Korea will participate in the Celtic-Next cluster program for the next 4 years.
- The budget commitment : 3.5 M Euros for the next 4 years



03 National Funding Rules

03 National Funding Rule

A Funding condition

- ✓ Funding Size : Max 500 Million KRW/year (app. 370,000 Euros/yr) for the project
- ✓ Project Period : Max 3 years (36 Month)
- ✓ Mode of Funding : Grant

B Eligibility

- ✓ All types of Companies (large enterprise, SME), university or research institute can participate in the consortium and receive public funding
- ✓ “Company(private enterprise)” should lead the Korean consortium
- ✓ Korean company should be in operation more than one year after the establishment, and the company is required to have ‘corporate R&D center certification’ issued by the Korean Government (Korea Industrial Technology Association).
- ✓ The project should not have already been implemented and should not overlap with other ongoing publicly funded R&D projects (Redundancy review)

03 National Funding Rule

C Eligible Cost of Funding

- ✓ Total Project Cost = **Public Funding** + Private Cost(Cash, In-Kind)
- ✓ Public Funding Rate

Type	Public Funding Ratio
Large Enterprise	33% or less of the project cost of participating entity
Mid-Tier Enterprise	50% or less of the project cost of participating entity
SMEs	67% or less of the project cost of participating entity
Others (Univ, Research institutes)	100% or less of the project cost of participating entity

03 National Funding Rule

Cash ratio of private matching funds (civilian dues)

Type	Cash Ratio
Large Enterprise	More than 60% of the total Private Contribution
Mid-Tier Enterprise	More than 50% of the total Private Contribution
SMEs	More than 40% of the total Private Contribution
Others (Univ, Research institutes)	N/A

03 National Funding Rule

D Application for the Project

☑ (1st step) Submit the project proposal to the Eureka Cluster Projects Submission Tool

** Submission deadline is 21st October (~17:00 CEST)*

☑ (2nd step) Submit the KOREAN project proposal to the National project Submission Tool

<http://k-pass.kr>

** Only the labelled project can submit the Korean proposal to the KIAT*

• *The KIAT has two call closing day in a year,*

	Submission deadline	Expected Funding schedule
1 st Closing Day	31 st March 2023	Projects can start from March 2023
2 nd Closing Day	31 st August 2023	Projects can start from the end of the year or early of next year(2024)

03 National Funding Rule

E Evaluation Criteria

Technological Capacity (25)	Feasible Project Planning, Importance & Creativeness of the target technology, Possibilities to achieve project goals
R&D Capabilities (25)	Infrastructure of each participants Each participant's specific R&D role
Marketability (40)	Possibility of successful commercialization, IPR Strategies
International Cooperation Strategy (10)	Necessity and effectiveness of international cooperation

- Project with a total score of 70 or more is eligible for funding

However, projects with a total score of 70 or may also be excluded according to the evaluation results and budget situation.



04 R&D Partners in Korea

04 Discover R&D Partners

KIAT Europe Office (Brussels)

✓ **Jason Kang, Director (Kangjs@kiat.or.kr)**

National Collaboration Centers (NCC)

Centers	Research Area	Contacts
Korea Institute of Industrial Technology (KITECH)	manufacturing, Machinery, Robot, Materials	Mr. Changyeon Lee (leecy@kitech.re.kr)
Korea Automotive Technology Institute (KATECH)	Automobile	Mr. Changyong Jung (cyjung@katech.re.kr)
Korea Electronics Technology Institute (KETI)	Electronic components	Ms. Geumji Chung (cathychung@keti.re.kr)
Electronics and Telecommunications Research Institute (ETRI)	Telecommunication, AI, Software, Electronics	Mr. Jaeho Kim (next@etri.re.kr)
Korea Institute of Machinery & Materials (KIMM)	Machinery, Materials, Mobility, Robot	Mr. Sanghoon Ann (shahn@kimm.re.kr)
Korea Research Institute of Chemical Technology (KRICT)	Chemical, Meterials, Bio	Ms. Joohee Jung (joohee@krict.re.kr)

Thank you

한-유럽 산업기술국제협력

