



How to Participate in Celtic-Next & Eurogia Joint Call in Korea

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01

International Collaborative
R&D Program

“

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

”

Bilateral International R&D

An international joint R&D program where two governments jointly conduct funding planning, and evaluation

14 countries



Multilateral International R&D

A multilateral international joint R&D program conducted through European R&D networks



NETWORK

CLUSTER

EUROSTAR2

Multilateral International R&D Program

Organizations from countries that are members of European R&D programs (EUREKA, Eurostar2, H2020) from consortiums → Proposal submission

→ Evaluation, selection and funding

Program	EUREKA		Eurostars2	HORIZON2020
	Network	Clusters		
Managed by	EUREKA Secretariat	Cluster Secretariat	Eurostars Secretariat	EC (European Commission)
Characteristics	Market-oriented industrial technology R&D	Industrial innovation by area	Targets exclusively SMEs	The largest EU research and Innovation program
Partner Country	46 countries		36 countries	28 countries (16 Associate member countries)
Korea Current Status	Partner country		Member	The 3 rd Party
Consortium Size	Mid-size	Mid/Large-size	Small/Mid-sized	Mid/Large-size



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Eureka Cluster

Eureka Cluster in general

○ Program Features

▪ **Medium-large sized Consortium**

* Average of 3 to 4 countries and 2 to 14 participants per each project

▪ Can include SMEs, large companies, research institutes and universities

▪ **Bottom-up Projects**

○ Clusters

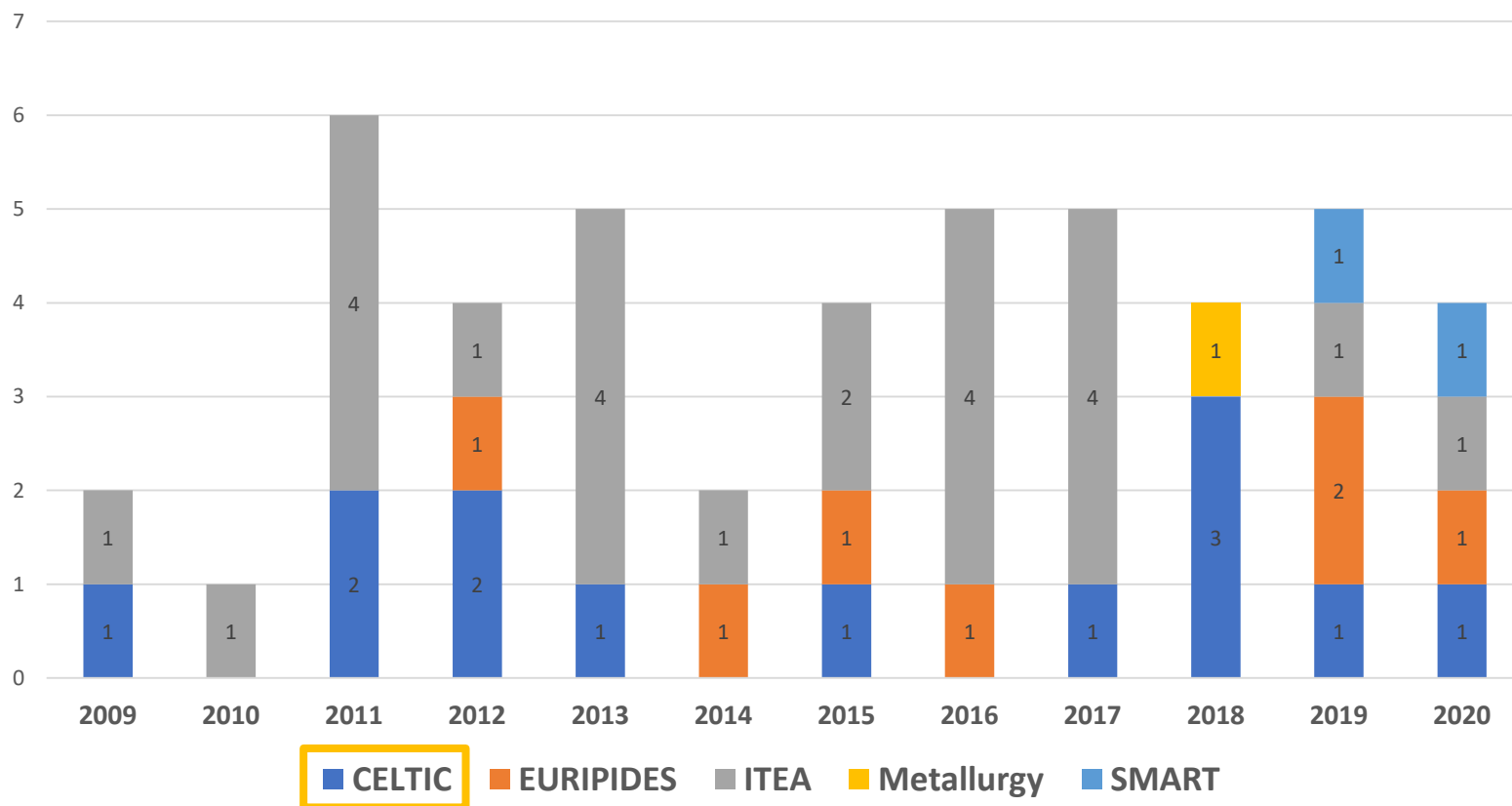
Cluster(Period)	Technical Fields
EURIPIDES2 (2013 - 2020)	Smart electronic systems
CELTIC-NEXT (2019 - 2025)	Next-generation communications
EUROGIA 2020 (2013 - 2020)	Sustainable energy solutions
ITEA3 (2014 - 2021)	Software innovation
SMART (2017 - 2025)	Advanced manufacturing
METALLURGY EUROPE (2015 - 2020)	Metal optimisation
PENTA (2016 - 2020)	Micro & nano-electronics

○ Basic Requirements

- At least 2 different countries in Eureka and 2 or more organizations must participate
- Industry-University-Research Institute Collaboration recommended
- **The Korean consortium should include at least one company in order to receive public funding**
- Each country has its own funding eligibility criteria

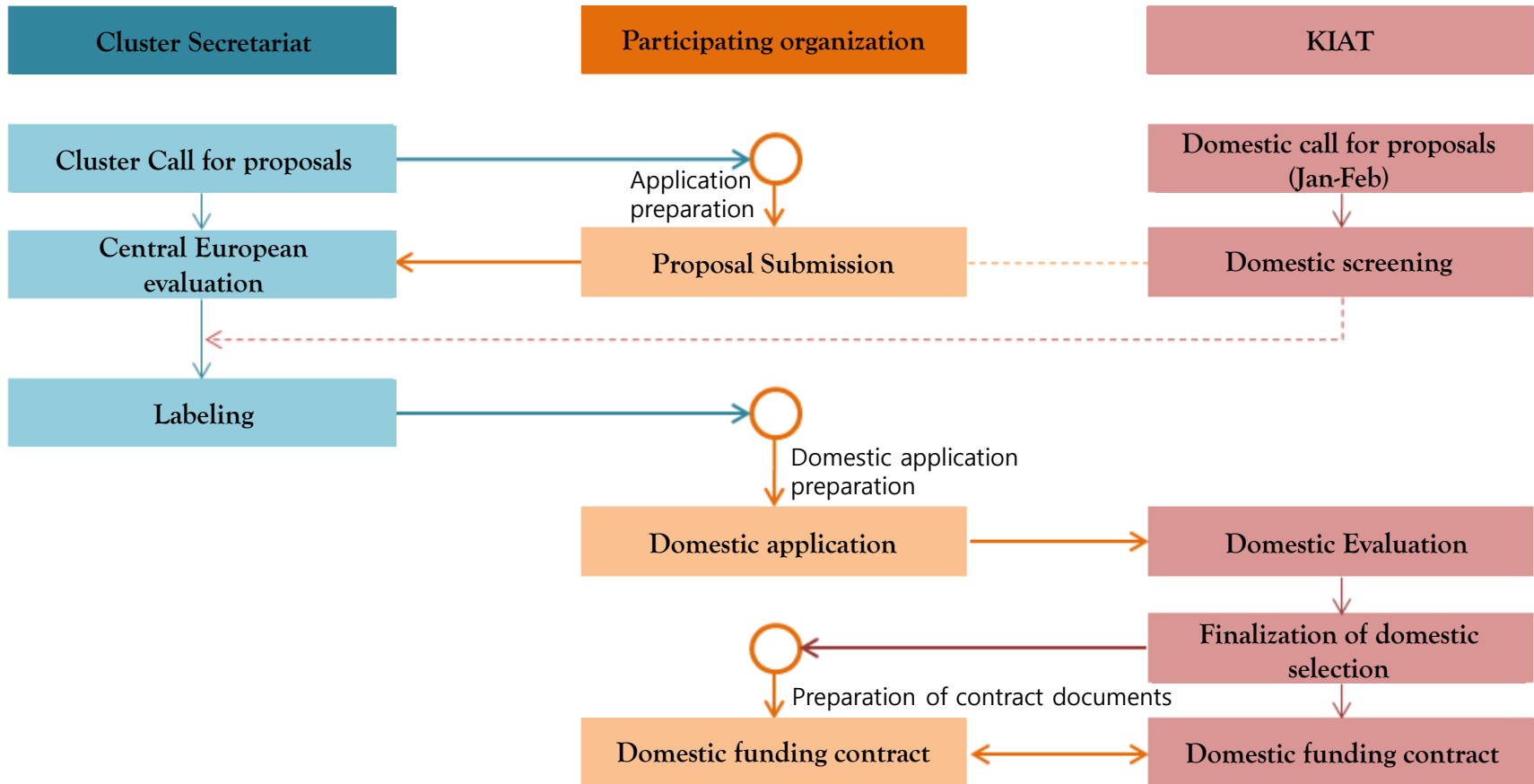
Cluster Participation in Korea

Cluster projects funded by KIAT



Application Process

○ Application and selection process



CELTIC-NEXT eurogia²⁰²⁰ Joint Call 2020



 CELTIC-NEXT

eurogia²⁰²⁰


European Smart Electronic Systems

 ITEA3

 Penta


advanced manufacturing program



- <https://eurekanetwork.org/open-calls/celticnext-eurogia-2020>

- Telecommunications
- www.celticplus.eu (~ 2025)

- Low carbon energy technologies
- www.eurogia.com (~ 2020)

- Smart electronic systems
- www.euripides-eureka.eu (~ 2020)

- Software intensive systems and services
- www.itea3.org (~ 2021)

- Micro and nano electronic technologies and applications
- www.penta-eureka.eu (~ 2020)

- Advanced manufacturing
- www.smarteureka.com (~ 2025)

- Industrial metallurgy
- www.metallurgy-europe.eu (~ 2020)

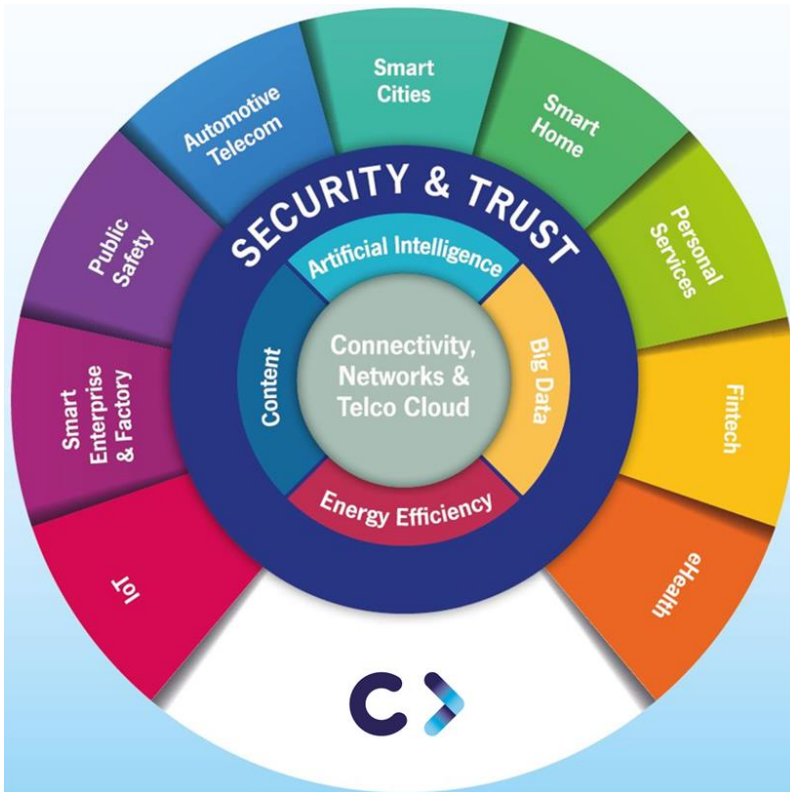


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**Celtic-Next & Eurogia
Joint Call**

Eurogia & Celtic-Next Joint call

○ Scope & Research Area



TECHNOLOGY ROADMAP

eurogia²⁰²⁰

PEOPLE

Energy poverty
E-mobility
Urbanization

NATIONAL PRIORITIES

Energy transition
Electric Vehicles - Smart cities

TECHNOLOGICAL TRENDS

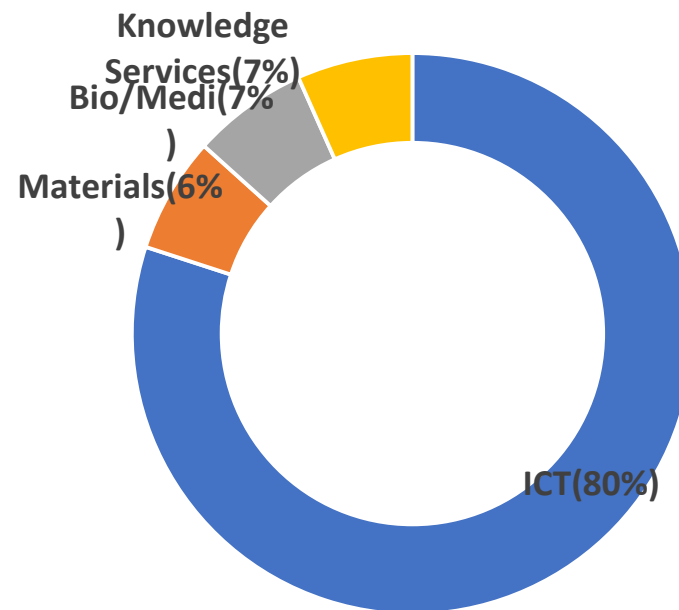
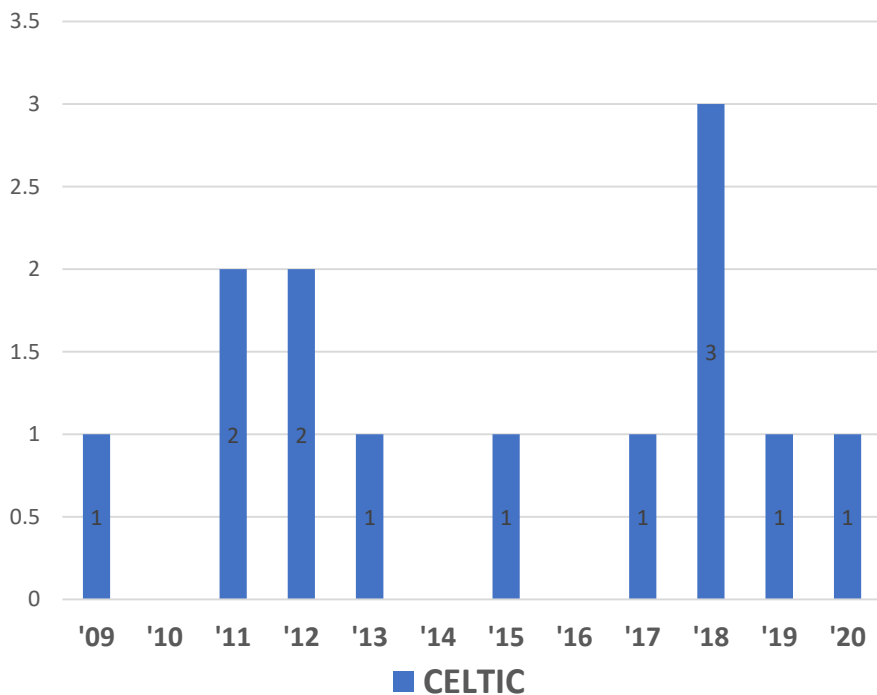
Energy Efficiency / Energy Storage &
Management - Smart grid - CCSU - H₂ Production
Asset Management ICT : Digitalization
Cybersecurity AI

CLEAN ENERGY

Geothermal - Solar - Wind Power - Biomass - Hydro
Waves and Tidal - Oil & Gas - Clean Coal

Eurogia & Celtic-Next Joint call

○ Celtic projects funded by KIAT



Eurogia & Celtic-Next Joint call Timeline

Overview of Project

- **Funding Size : Max 500 million ₩ / year**
- **Project Period : Max 3 years**
- All types of companies (large enterprise; SME), university or research institute are able to apply
- **Company participation is required**

Timeline

	'20					'21Ja	Feb	Mar	Apr	May	Jun	Jul	Remarks
	Aug	Sep	Oct	Nov	Dec	n	Jul	Aug	Sep	Oct	Nov	Dec	
Eurogia & Celtic-Next Joint Call	Proposal Submission (~'20.10.19)												https://eurekanetwork.org/open-calls/celticnext-eurogia-2020
KIAT							National Submission		National Evaluation			Project Start	www.k-pass.kr
							~'21.03		'21.04~05			'21.07~	
							~'21.08		'21.09~10			'21.12~	

Public funding & Private Matching funds

Type	Public funding ratio	Cash ratio of private matching funds (civilian dues)
Large Enterprise	33% or less of the Project cost of Participating enterprise	60% or more of the Private Contribution of Participating enterprise
Medium sized Enterprise	50% or less of the Project cost of Participating enterprise	50% or more of the Private Contribution of Participating enterprise
Small sized Enterprise	67% or less of the Project cost of Participating enterprise	40% or more of the Private Contribution of Participating enterprise
Others (Univ, Research institutes)	100% or less of the Project cost of Participating enterprise	Paid if necessary

○ Eligibility Criteria

- **Company participation required**
- **Project Participating Company should be in operation for more than a year, and have a corporate R&D center accreditation by the Korean government**
- The project should not have already been implemented and should not overlap with other ongoing publicly funded R&D projects (**Redundancy review**)
- **The participating company should be Financially Solvent**
- the number of national R&D projects that the participating researchers are simultaneously executing cannot exceed 5
- Etc

○ Evaluation Criteria

- Project with a total score of 70 or more is eligible for funding (absolute evaluation)

Technological Capacity (30)	Feasible Project Planning, Importance & Creativeness of the target technology, Possibilities to achieve project goals
R&D Capabilities (30)	Infrastructure of each participants Each participant's specific R&D role
Marketability (30)	Possibility of successful commercialization, IPR Strategies
International Cooperation Strategy (10)	Necessity and effectiveness of international cooperation