Eurogia 2030

*The Eureka Network Cluster on **Low-Carbon Technologies***

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Gizlilik / Sensitivity : Genel - Public

EUROGIA^{2030} within

eureka
innovation beyond borders

01

The EUREKA Cluster dedicated to Low-Carbon Energy Technologies

02

Includes the full energy mix and value chain

03

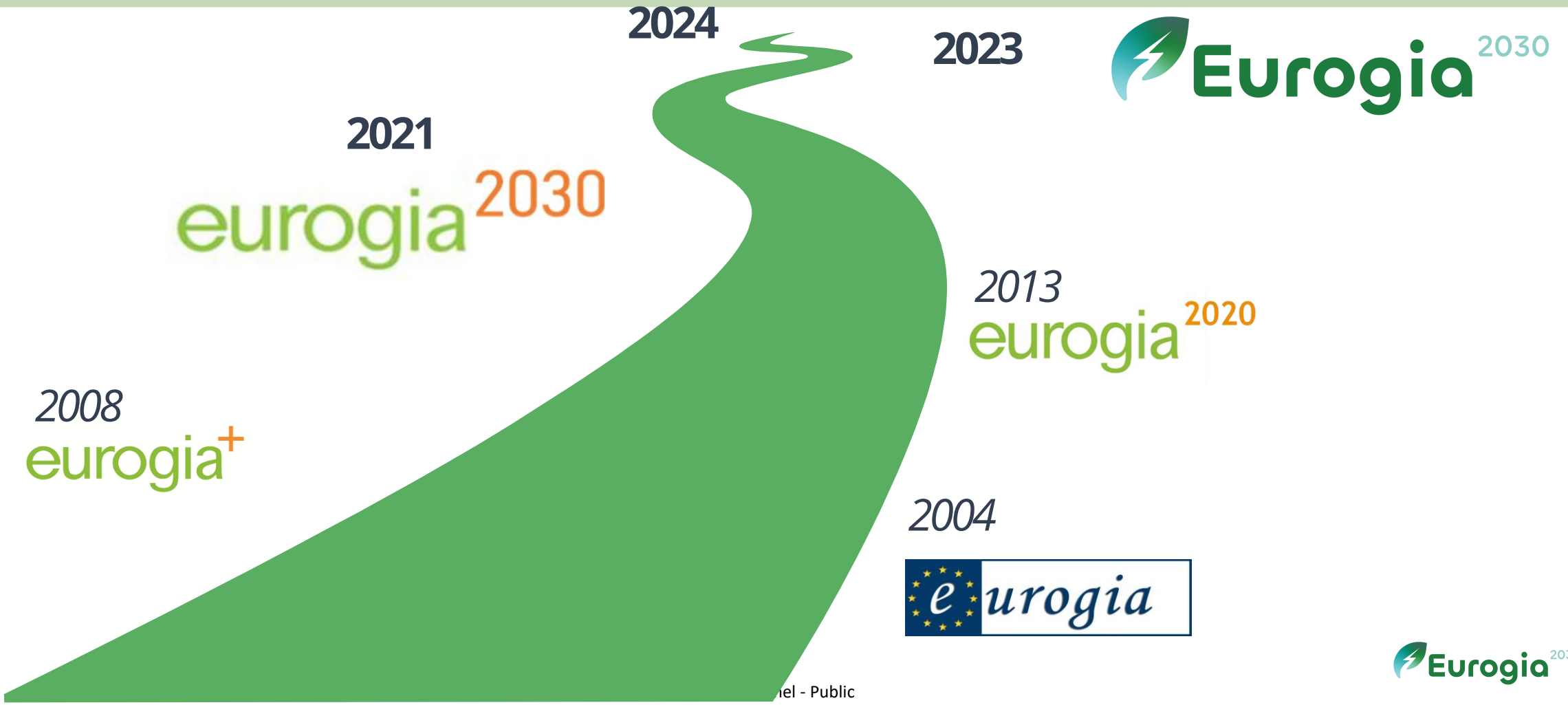
Labelled for the MAP 2021-2025

04

EUROGIA2030 promotes and facilitates partnerships between Industry, Universities and Governments

EUROGIA2030 The Cluster of energy transition

20 years anniversary from **fossil** to renewables



OUR VISION

Some of the Eurogia targeted challenges to achieve the sustainability goals are necessary, but not limited to:

- **Carbon-free energy supply**
- **Green mobility and Smart cities**
- **Smarter housings and constructions**
- **Bio resources and environment**

The Eurogia2030 Purpose

EUROGIA2030 is on the front line in the Energy field to achieve **carbon neutrality goals**. Through low carbon technologies R&D solutions Eurogia2030 aims to contribute for a **sustainable environment**, for the **reduction of climate change** and for a **sustainable growth.**

The Eurogia2030 5Ds Strategy

DECARBONIZATION

- **Renewable Energy resources & integration with the existing grid,**
- **Electric vehicles and charging infrastructure,**
- **Green and zero emission buildings,**
- **H2 technologies and Storage**

DECENTRALIZATION & DIGITALIZATION

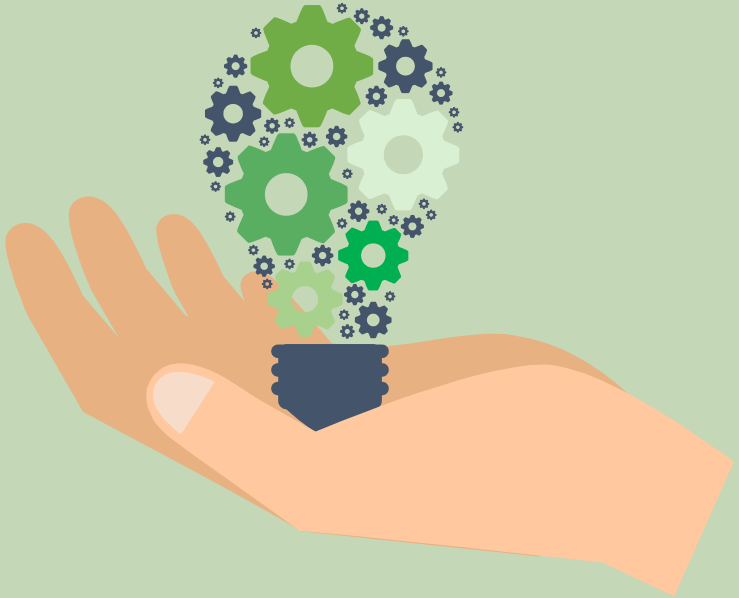
- **Microgrids**
- **Smart Grids**
- **ICT, AI**
- **IOT**
- **IT&OT cybersecurity**

DEREGULATION & DEMOCRATIZATION

- **Blokchain Technologies**
- **Flexibility Management**
- **Virtual Power Plants**
- **Network Stability**
- **Peer to Peer Energy Trade**
- **Demand Side Management**

EUROGIA2030 Technology domains

EUROGIA2030 encourages **partnerships between competencies** covering a large spectrum of disciplines and the entire energy mix



Cost effective Energy Sources

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

Enabling Technologies*

- Energy Efficiency
- Energy Storage
- Intelligent networks and energy management
- CO2 mitigation (CCS & valorization)
- Materials (including minerals)
- Tools, fabrication & Installation
- Processes; ICT (e.g., in smart grids)

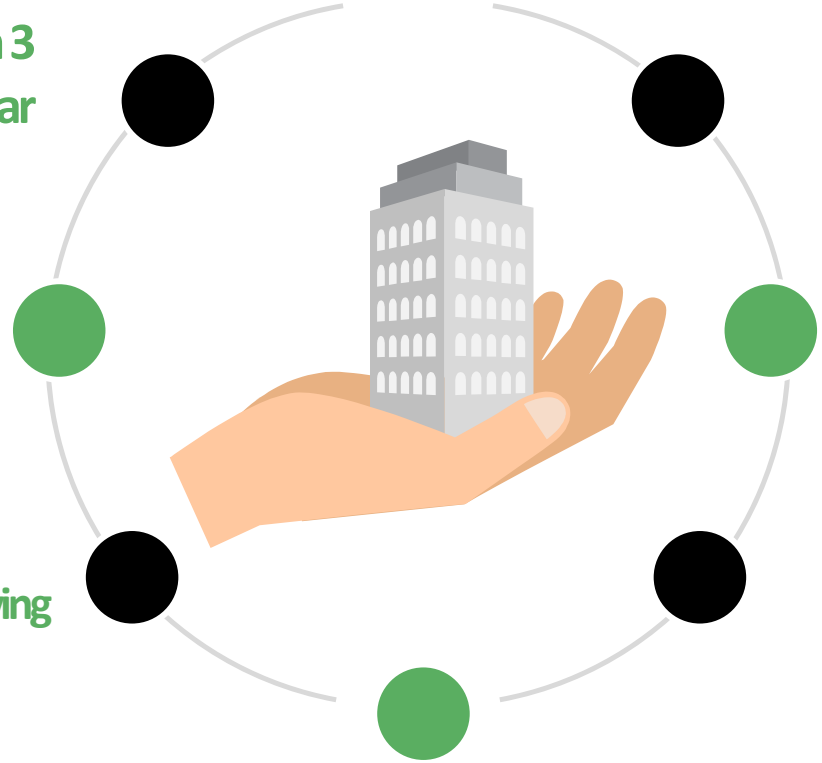
**The list is not exhaustive*

EUROGIA^{2030} A process designed by industry for industry:
Flexible, Fast, Interactive

Continuous submission with 3 cut-off dates/year

2-step process (PO and FPP)

Instrument providing expertise and support to international projects involving all the innovation landscape on Low Carbon Energy Technologies



through extensive/continuous feedback and access to the EUROGIA community

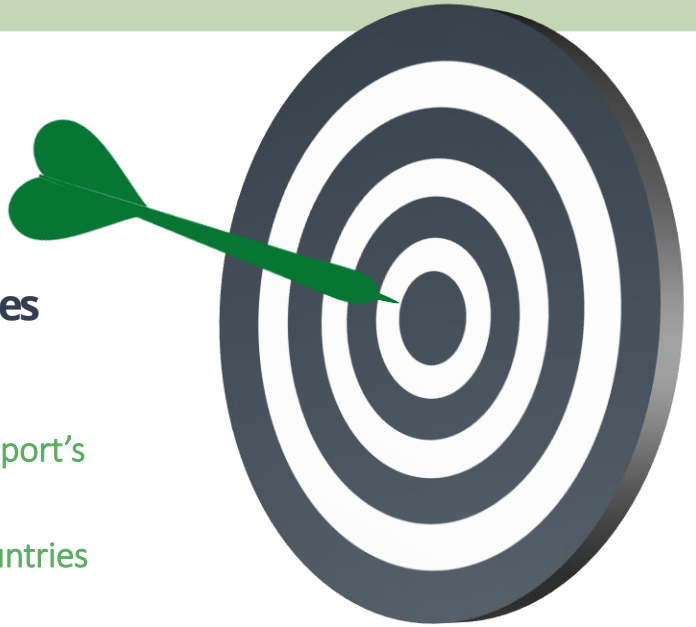
No competition between similar projects

quality of your own project is what counts

Parallel applications in each country in addition to global Eurogia2030 application; and synchronisation of funding from each country not always achieved.

Industry Community to foster Low Carbon Technology Development based on an International Public-Private Innovation-Centric Partnership

EUROGIA2030 Winning Project's Equation



Industrial Innovation

Solid concepts

Market oriented

Consortium Structure

Balanced

- Organisations types
- Competences
- Consortium Agreement

Commercial Exploitation

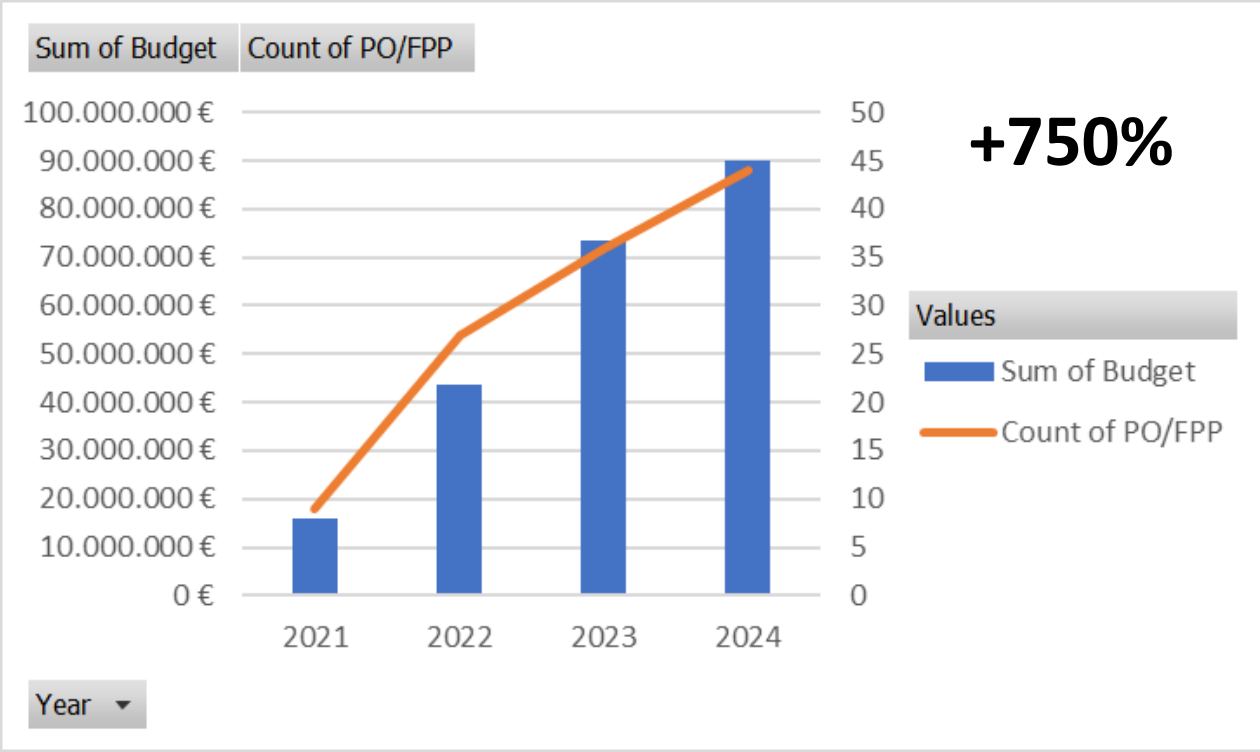
Commercial prospects

National Priorities & Practices

Public financial support's Rules & Availability

ROI for funding countries

EUROGIA Statistics
2021-2024



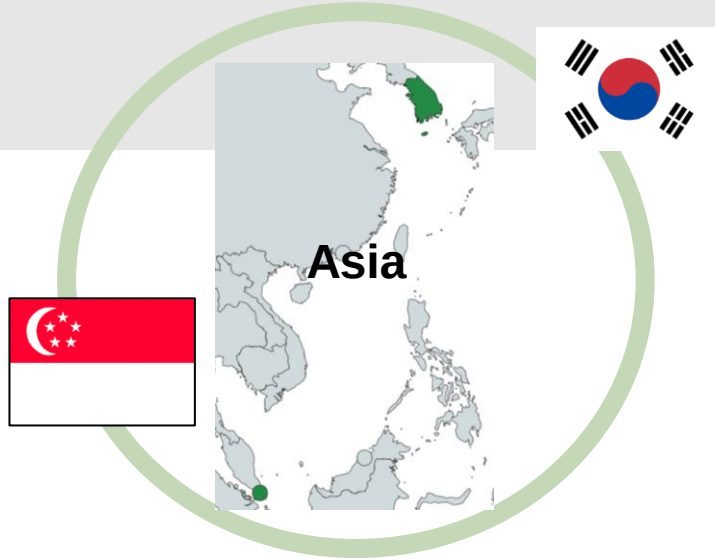
Submitted Projects for the last 4 years

Number of PO: 75

Number of FPP: 41

Total Budget: 223M euro

Eurogia2030 Supporting Countries



Eurogia 2030

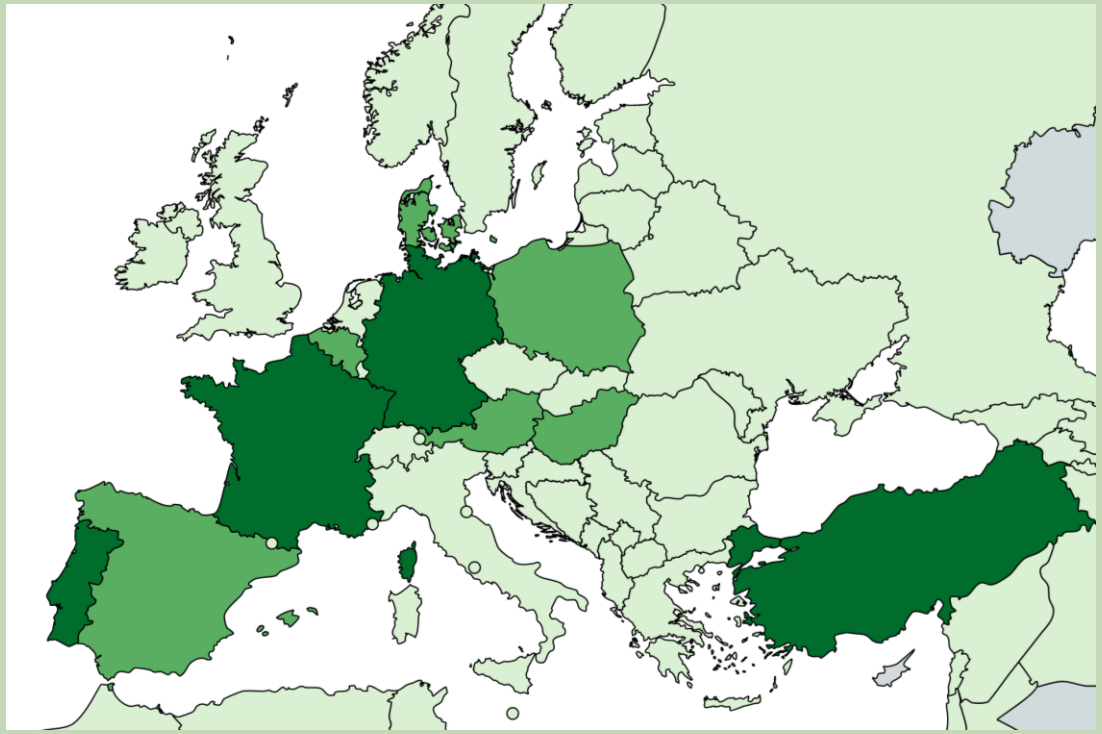
Successful Projects

Eurogia Successful Project

SmartWind

SmartWind is an industry-driven demonstration project focused on the energy digitalisation that will contribute to achieve a **reduction of the total costs** of **renewable wind power generation and the Levelized Cost of Electricity (LCoE),** providing advanced and automated functions from data analysis for early fault detection and diagnosis, and Operations and Maintenance (O&M) planning at wind assets.

Eurogia's Main European Players



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OUR BOARD MEMBERS

BUREAU VERITAS

EURESCOM
'nnovation through Collaboration

ENERJİSA
Energy of Turkey

İSFALT

reengen

GRUPO ÉRRE

Participants in Running Projects

isotrol

BYS GRUP
innovative ideas

FUDA

NETAS

Aydem enerji

RUHR UNIVERSITÄT BOCHUM RUB

ALFA LAVAL

Beia CONSULT INTERNATIONAL

GWP greenwood power

ZORLUENERJİ

aspilsan

BIONIC SYSTEM SOLUTIONS

ENFORMA

SOCAR

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