∑eureka Clusters Sustainability Call 2022

National webinar ‘country’

Turkey, 14th March 2022

Rıza Durucasugil

Sinem Altuncu

Zeynep Sarılar

CELTIC-NEXT ∑eureka Cluster

eurogia2030

ITEA4

∑smart advanced manufacturing

ecs∑

Eureka Clusters Sustainability Call

Participant Clusters

16 Eureka Countries

Time to invest in sustainability

- **It is essential for all actors to become more sustainable** while providing effective responses to the economic, technological, and societal rising challenges
- **Tackling energy and resource issues** should be placed at the heart of the combined digital and green transitions.

- **Industry needs to become itself sustainable and provide solutions** to all potential economic and societal sectors

Only if we join forces globally, we will be able to tackle this challenge

Involved countries so far

16 Countries supporting the Eureka Clusters Sustainability Call

- Austria
- Belgium (*Brussels & Flanders*)
- Canada
- Denmark
- Finland
- Hungary
- Ireland
- Luxembourg
- Portugal
- Singapore
- South Africa
- South Korea
- Spain
- Sweden
- Turkey
- United Kingdom

Other Eureka countries may consider supporting a project

- contact your funding authority to check -

The Call is targeting sustainable industry projects. Two special focus areas defined:

Green ICT:

- Sustainable electronic components, software and systems for information and communication technologies **supporting sustainable manufacturing**
- **Reducing energy and resource consumption**, for software and hardware components supporting the whole life cycle of a product.
- Sustainable manufacturing should **implement green ICT solutions** in factories, operations, processes, and product planning.

Space-earth-ocean integrated systems for better observation and data exploitation

- **Developing new solutions can be supported by technological advancements**, such as satellites, ocean and earth observation systems, ground, ocean and underwater imaging and sensing (*e.g., planes using specific payloads, drones, marine robotic systems, 5G and IoT, etc.*).

Some Technologies which can be considered:

Power electronics and power management	High-performance engineering for personalized products	Industry 4.0 for food production
Environmental protection and measurement	Decentralized technical intelligence	Marine and agricultural robotics
Digital twins for sustainable manufacturing simulation and real-time interaction with cyber-physical systems	AI assisted training and assistance systems for optimal factory operation	Autonomous shipping
Management systems for lifecycle monitoring and operations	ICT architectures, platforms and standards for industry and logistics 4.0	Environmental monitoring and disaster management
High-performance manufacturing systems	Sustainable, secure and resilient interconnection of all stakeholders and systems	New approaches for the energy sector, e.g. storage technologies and materials
Cyber-physical production and logistics systems	Integrated sensor and secure communication systems	Technologies supporting the balance of sustainable energy generation, consumption and storage
Sustainable smart factories through future connectivity	Utilization and integration of various observation systems (in-situ sensors, marine robotics, drones, high altitude platforms and satellites)	Components, systems and architectures for distributed intelligence and low power data transmission
Space-earth-ocean sensing and data collection systems to monitor a.o. sea surface temperature, tidal heights, whale migration, land use/precision agriculture or natural hazards (weather-related or others)		

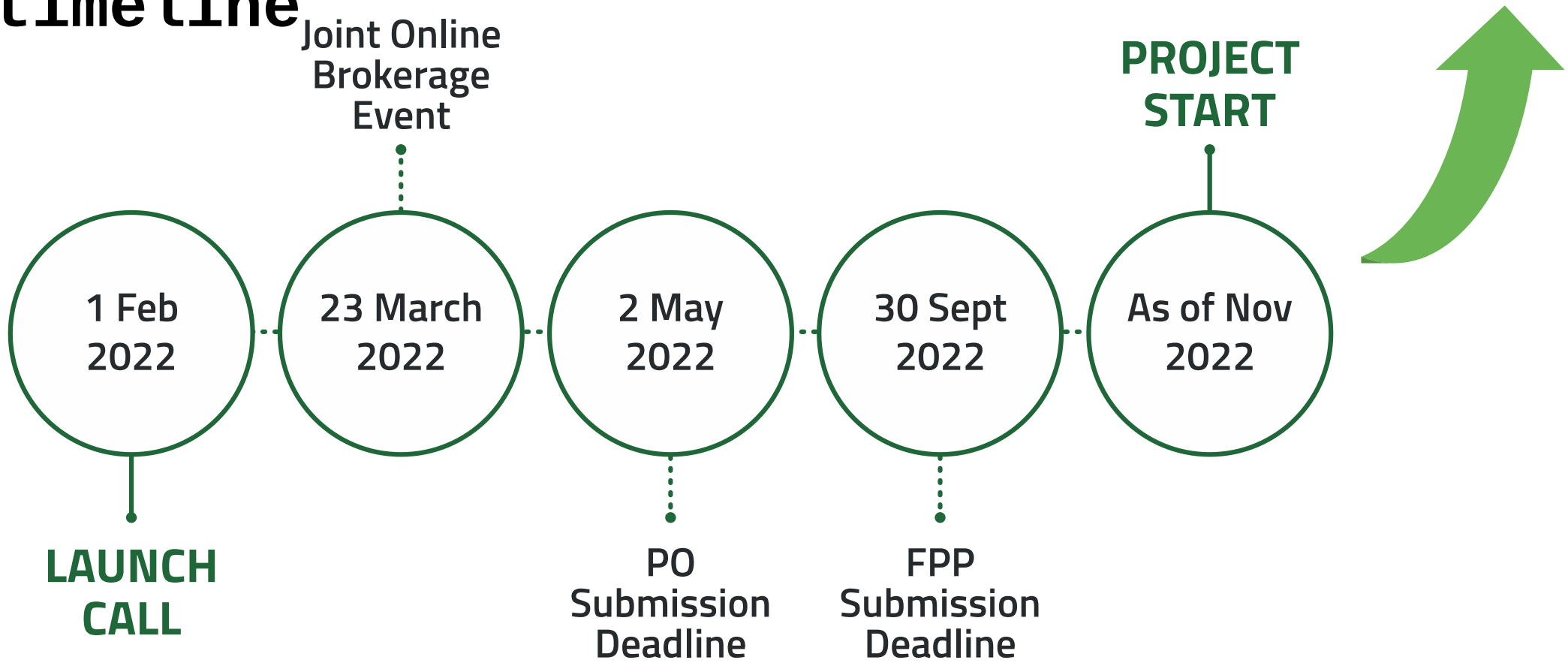
Potential technical fields or strategic application domains

Please check the website for details

https://eureka-clusters.eu/sustainability/targeted-challenges.html

- **Mentioned areas are indicative** and not exclusive
- **Disruptive ideas are always encouraged**, with dialogue between the consortium and involved funding bodies

Call timeline



Benefits of your participation

- **Be boosted** to become a front runner in your sustainability application area
- **Receive national funding** with an expected success rate over 30%
- **Access a large network of organisations** from European countries and beyond
- **Be part of a flexible programme** with bottom-up and market-driven idea generation
- **Get coaching and support from experts** throughout the development and the execution of your project

Submitting a Project proposal

Project submissions will be based on a common two-step process

- **Call guidance** is available on the website
- **Call submission support** will be provided by the involved Clusters

https://eureka-clusters.eu/sustainability.html

- **It is essential for each partner to contact their supporting Public Authority** at the earliest opportunity to verify eligibility criteria and national submission timeline
- **Funding rates/rules of participation are subject to National**

Project proposals

- Proposals should primarily target taking sustainable industry technologies **beyond the State-of-the-Art**
- **International cooperation** between at least 2 countries is mandatory, more is advised
- **One industrial partner from each country** represented in a project

- Proposals can be
  - **Cross-Cluster**
  - **Cross-Domain**
  - **Cross-Community**
- It is recommended to have a consortium that **covers all segments of the value chain** relevant for the project scope

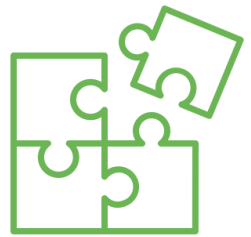
https://eureka-clusters.eu/sustainability/how-to-participate.html

A successful project [1/2]

- **Well-defined problem statement:**
  Must be crystal clear, they are often too generic
- **Extending/defining the State-of-the-Art:**
  How is your solution different from existing ones, show the uniqueness of your innovation
- **Value chain ecosystem:**
  Explain clearly how the partners complement each other along the value chain
- **Commercial & other impact:**
  How and who will commercialise the solution(s), create new opportunities

A successful project [2/2]

- **Meet national criteria:**
  Each national consortia must contact
  its national funding body
- **Country Impact:**
  Demonstrate the economic impact and
  other benefits for each country involved
- **Mid-size project:**
  Eligible costs in the range of €5-20m, with a
  typical project duration of 2-3 years
- **Green Issues:**
  Sustainability is important for all of us
  and should be demonstrated
- **Ambition:**
  Your proposal should be unique and ambitious but realistic although with risk
- **Close to the market:**
  Envisage a fast commercialisation



KPIs related to the impact on sustainability

- The consortium should determine and **describe its own sustainability scope in KPIs**
- **Use SMART KPIs** (*Specific, Measurable, Attainable, Relevant, and Time-Bound*)
- **The KPI should allow evaluation of the global and systemic environmental footprint reduction**
- **The Clusters will review KPIs** during the monitoring phase of the labelled projects to assess project results

Supporting events and tools

Check the website for scheduled events and support tools

https://eureka-clusters.eu/sustainability/even ml

- Dates for national webinars and their recording
- Networking tools for e.g. partner search, online project idea tool, collaborative project building, online brokerage tool and brokerage event
- National support clusters office support

Mark your calendar for the **online Brokerage event on 23 March 2022**

Stay tuned!

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Questions?

Contact us at info@eureka-clusters.eu

https://eureka-clusters.eu/sustainability.html

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