Alliance for IoT
and Edge Computing
Innovation

AIOTI Webinar:

Presenting Open Call Opportunities

07.06.2023

Agenda

- **15.00 Opening and Welcome, survey launch (5 min) -** *Mayte Carracedo, AIOTI TF EIC Chair*

- **15.05 Open Call Opportunities (10 min) -** *Mayte Carracedo, AIOTI TF EIC Chair*
  - **EURobin and TArget X -** *Aneta Galazka, Fundingbox*
  - **NGI Search** *- Marie Claire Tonna, FundingBox*
  - **NGI Sargasso -** *Raquel Carro, Australo*

- **15.15 Questions from the audience (10 min)**

- **15.25 EU CEI Open Call Opportunities (10 min) -** *Brendan Rowan, AIOTI TF EIC co-chair*
  - **ICOS** *- Elena Japundžić, FundingBox*
  - **NEMO** *- Harry Skianis, Synelixis*
  - **AerOS** *- Ignacio Lacalle, UPV*
  - **NebulOuS** *- Ana Luísa Alves, F6S*
  - **FLUIDOS** *- Alessio Sacco, Polit*
  - **NEPHELE** *- Diana Järve, FundingBox*

- **15.40 Questions from the audience (10 min)**

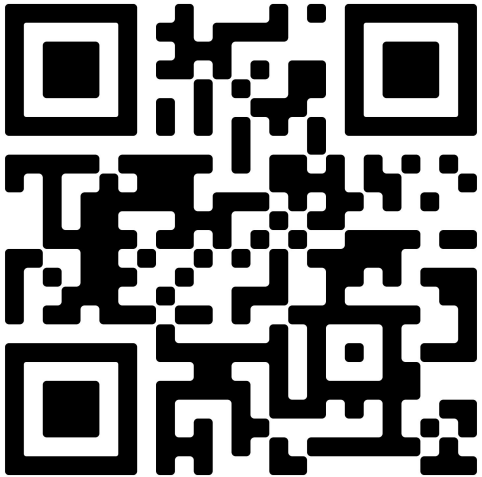
- **15.50 Commenting the survey, Wrap up and end of Webinar (5 min) -** *Brendan Rowan, AIOTI TF EIC co-chair*

Housekeeping Rules

- This webinar will be recorded.
- All participants are required to use their real names and surnames.
- Please do not unmute yourself and do not ask questions during the presentations, use the reserved Q&A slots.

Early Innovation Champions Survey

Take the survey!



AI TI

What do we offer?

The exact amount of financial support to be granted to each selected third-party project under the Open Calls is up to **€ 60 000.** Participants will have the possibility to integrate and test their code, method or hardware in some of the most advanced robotic platforms in Europe to address significant research challenges thanks to the cascade funding mechanism that will support their work.

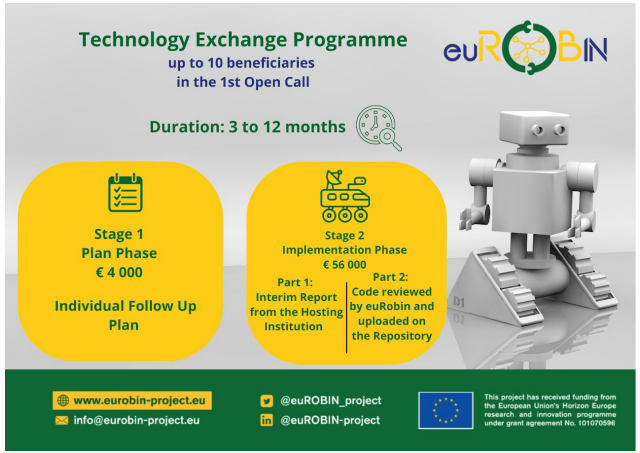
Researchers from organisations such as research groups and institutions, or companies of any size(which will be the formal entities receiving the grant) will join some of the euROBIN core teams, integrating and evaluating the developed solutions of the robots at the hosting labs. Two euROBIN partners will typically act as host institutions for the stays, providing access and support to the euROBIN robot platforms.

Who are we looking for?

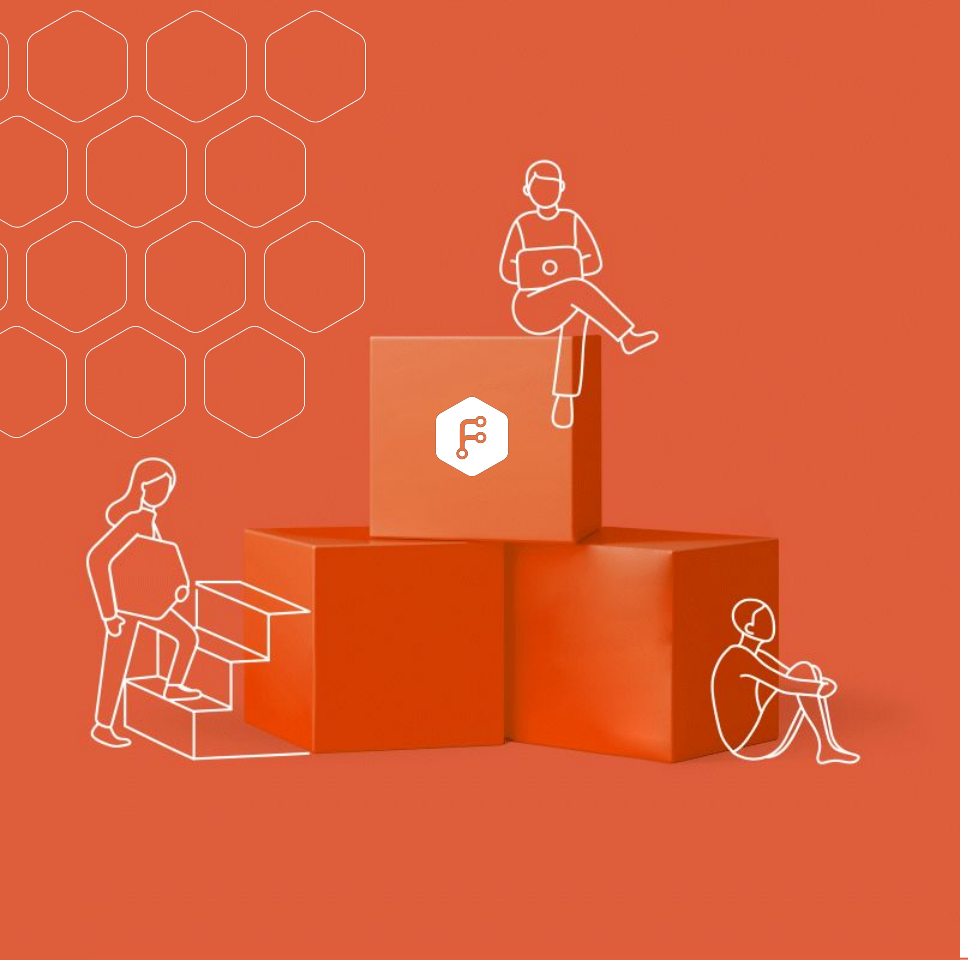
We are looking for a **single (individual) applicant** (not consortia) who is:

- Company of any size registered before the launch of the Open Call
- Research Organisation
- an Academia Research Institution registered before the launch of the Call.

What do we offer?



Information available at:
https://eurobin-project.fundingbox.com/



VISION

TARGET-X

TARGET-X 's Vision is to strengthen important economic sectors in Europe by integrating 5G and 6G, accelerating the digital transformation.

VERTICALS

The proposed activities must address Performance testing or the development of devices or solutions oriented to technology providers and use cases applicable **to only one topic** in one of the following verticals:

MANUFACTURING ENERGY AUTOMOTIVE CONSTRUCTION

Who are we looking for?

We are looking for an individual entity **(SME)** or micro-consortium composed of 2 SMEs, registered prior to the launch of the TARGET-X 1st Open Call.

What do we offer?

- financial support to be granted to each selected entity under the 1st TARGET-X Open Call is a fixed lump sum of up to **€60 000** per entity.
- NOTE! In case of for-profit companies maximum grant amount is 70% of the eligible costs needed to execute the project.
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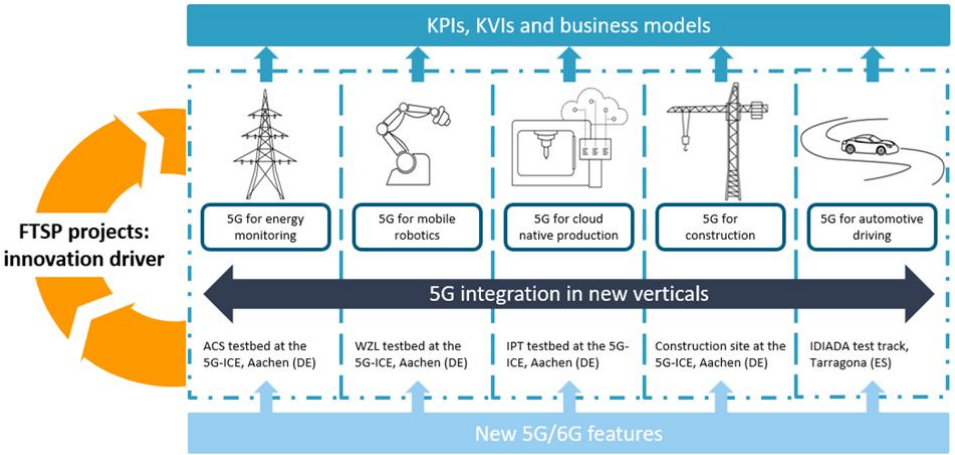
During the 1st Open Call approximately 50 entities will be selected.



Information available at:

https://target-x.fundingbox.com/

1st Open Call Deadline 26th of July, 5PM (CEST TIME)

NGI SEARCH

Theme: Search and discovery on the internet with a focus on trust, privacy and transparency.

Scope: 5 Open Calls to find and select talented researchers, innovators and activists working in this theme.

Topics: Generative AI detection tools, Addressing gaps in Large Language Models, Federated Search on the Internet, Search and discovery technologies for the arts,
Enabling new ways of discovering and accessing information & more.

AARHUS UNIVERSITY

FundingBox

LINKNOVATE

OW2

UNIVERSIDAD DE MURCIA

3rd Open Call Details

Funding: Up to 150,000 EUR funding

Type of applicants: Including but not limited to Individuals, researchers, hackers, Startups, SMEs, Universities, NfP etc.

What kind of support will be offered? 12 months of technical and business mentorship

Deadline: Launches on 1st August and closes on 1st October 2023, 17:00 CET

Contact for more information: nina@fundingbox.com

4.8M€ in funding for **transatlantic cooperation** in NGI Technologies

APPLY TO THE NGI SARGASSO GENERAL OPEN CALL

FROM 1 JUNE TO 31 JULY 2023

WWW.NGISARGASSO.EU

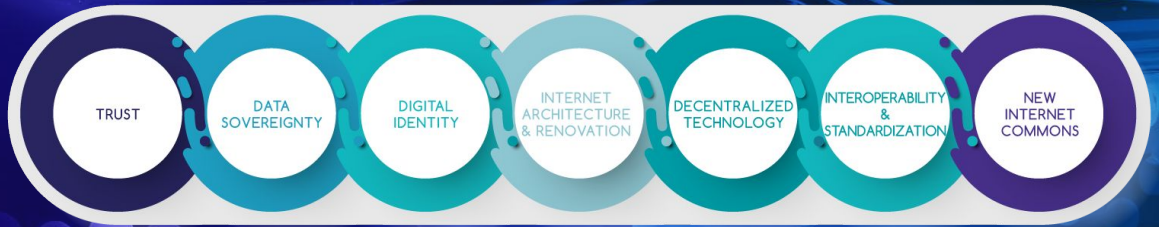
Up to **100,000€ per project** (+90 to be funded)

Eligible entities:

- Universities & Research centers
- SMEs & Startups
- NGOs & Foundations

Teams composition: **1 EU** partner + **USA or Canada** partner

KNOWLEDGE AREAS:



HOW TO APPLY:

STEP 1 — Find your EU or Canada partner through our BROKERAGE service.

STEP 2 — Write your joint proposal

STEP 3 — Submit your application before July 31st 17:00 CEST!

More info at ngi.sargasso.eu > Apply Now!

Contact helpdesk@ngisargasso.eu

Funded by the European Union

NGI SARGASSO

4.8M€ in funding for **transatlantic cooperation** in NGI Technologies

APPLY TO THE NGI SARGASSO CANADA COLLABORATIVE OPEN CALL IN DIGITAL CREDENTIALS

FROM 1 JUNE TO 31 JULY 2023

Up to **100,000€ per project**

Eligible entities:

- Universities & Research centers
- SMEs & Startups
- NGOs & Foundations

Teams composition:

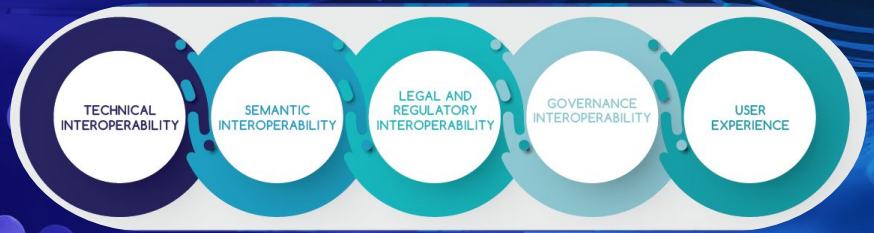
- **1 EU** partner + **Canada** partner
- NGI Sargasso will facilitate the pairings

HOW TO APPLY:

STEP 1 — Write your proposal

STEP 2 — Submit your application before July 31st 17:00 CEST!

TARGET AREAS:



Funded by the European Union

NGI SARGASSO

More info at ngi.sargasso.eu > Apply Now!

Contact helpdesk@ngisargasso.eu

Q&A

ICOS

Funding:
Up to €200k per consortium (€150k + €50k for a consortium); 5 projects to be awarded

Type of applicants:
Consortia of 2 SMEs and mid-caps (1 tech provider, 1 end user)

Supported activities:
ICOS solution development project

Expected start/end:
1 August/ 2 October 2023

What kind of support will be offered?
Support programme - 12 months

Information available at:
https://www.icos-project.eu/

Technology: Cloud computing, edge computing, meta operating system, orchestration

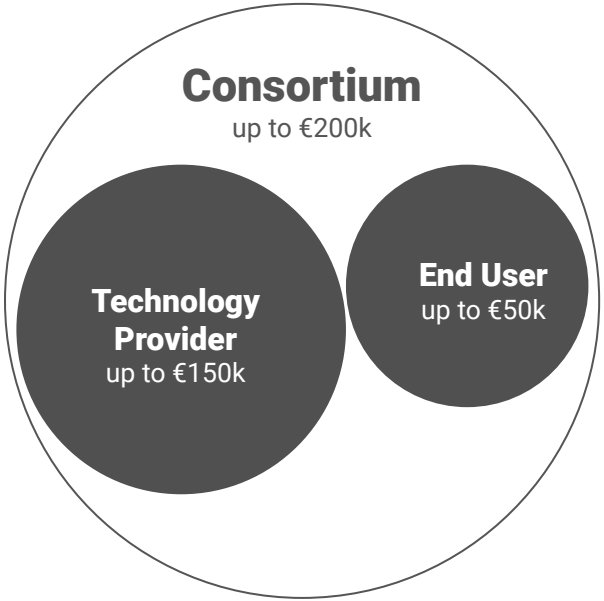
1st Open Call

Who are we looking for? What types of activities can be funded?

Who are we looking for?

Technology Provider is any entity that is an IoT infrastructure provider, who is providing the infrastructure that will be **deployed across the ICOS continuum.**

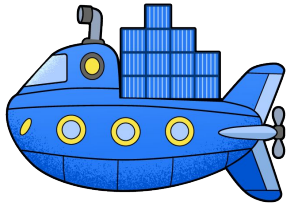
End User is an entity that will be the end user of the deployed application.



What types of activities can be funded?

1. **Development of the proposed services**;
2. **Development of the original service**

- within an application area that is different from the project's use cases, based on the project objectives, reference architecture and components already under development



NEMO

NExt Generation Meta Operating System

OPEN CALLS OVERVIEW

AIOTI webinar: presenting Open Call Opportunities

Online, 7 June 2023

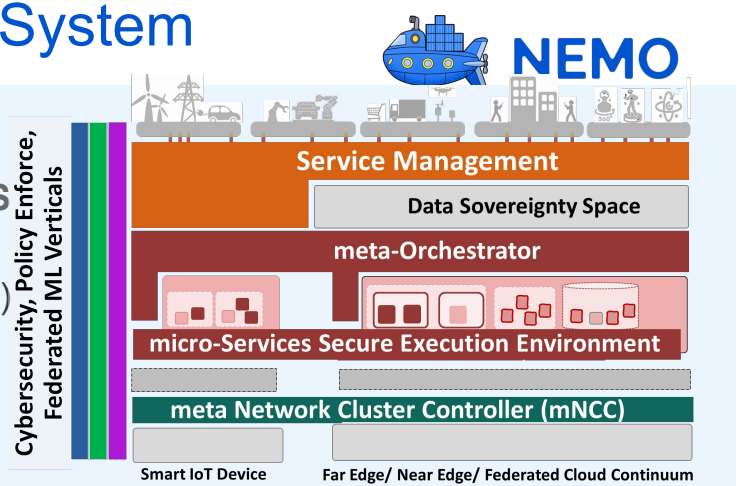
Harry Skianis, PhD
TM, Synelixis Solutions SA

NEMO receives funding from the EU Horizon Europe research and innovation Programme under Grant Agreement No. 101070118

NEMO: Next Generation Meta Operating System

1) Technological Innovations

- ✔ **Full stack, fully configurable, cloud-native, data aware meta-OS**
- ✔ ***Bring intelligence closer to data/make* AI integral part of meta-OS**
  - Self-Organized/Healing Network Clusters/5G/6G Integration
  - Cybersecure micro-Service Secure Execution Environment (mSEE)
  - SLO/EE based self-optimized meta-Orchestrator
  - ZeroOps Plug-in mechanism
- ✔ **Cybersecurity, Privacy Compliance & Federated ML verticals**



2) Strengthening the EU competitiveness

- ✔ **Fully compatible with DataSpace evolution/standards**
- ✔ **Pre-commercial exploitation components (MOCA)**
- ✔ **FAIR datasets/Smart–X Labs**
  (Farm, Energy, Mobility, Industry, Media)
- ✔ ***Widespread penetration* / Open X**
  Access, Source, Standards, Calls
- ✔ 1.8M€ for testing and adoption via 2 Open Calls

3) Expected (Technical, Economical, Environmental, Social) Impact

- ✔ **Novel components, tools, methods**
- ✔ **Dataspace & IoT-Edge continuum integration** in reality
- ✔ **New paradigms in Smart-X Apps delivery**
- ✔ **Push processing to cloud => directly reduce CO2**
- ✔ **Smart Agriculture**: reduce pesticides/spraying/soil erosion….
- ✔ **Closing the digital gap** by enabling Smart-X Edge processing
- ✔ **Reinforcing competitiveness** via open-source & Open Calls

NEMO

Open Calls overview:

Number of Open Calls: 2

1st Open Call

Open Date: September 2023

Close Date: December 2023

Start Date : April 2024

1st Open Call

Type of actions funded:

- NEMO meta-architecture extensions
- software components/plugins not covered by current NEMO implementation plan
- Network/service/resources metering/automated control components
- Port NEMO on new, heterogeneous IoTdevices

Average Value:

150 KEuros

Eligible organisations:

software developing, edge cloud, telcos and IoT manufacturers SMEs

Average duration:

18 Months

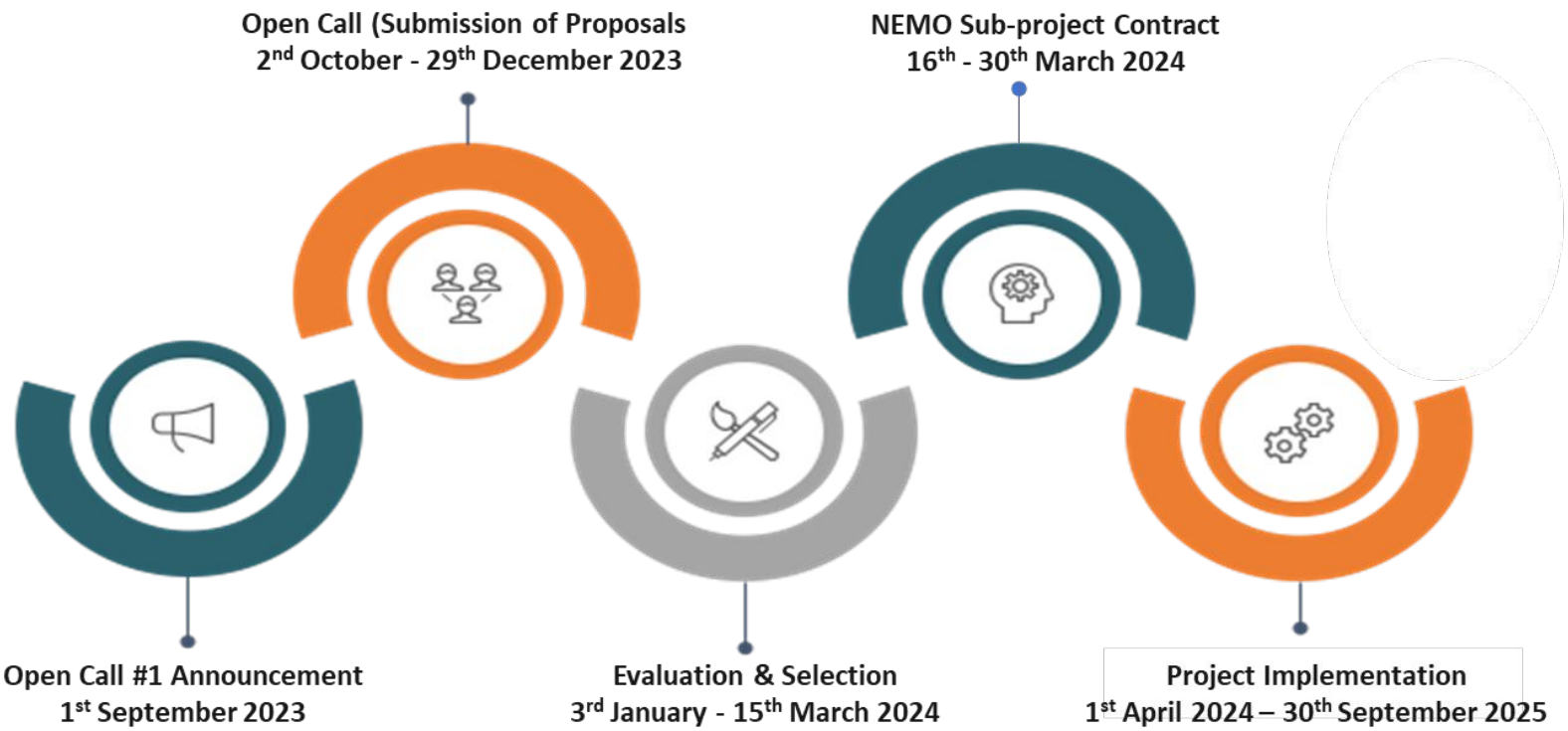
Open Call Coordinator contact:

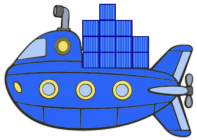
Harry Skianis
cskianis@synelixis.com
Dimitrios Skias
Dimitrios.Skias@netcompany-intrasoft.com

Number of grants awarded:

6

1st Open Call Timeline





NEMO

Open Calls overview:

Number of Open Calls: 2

2nd Open Call

Open Date: June 2024

Close Date: September 2024

Start Date : December 2024

2nd Open Call

Type of actions funded:

- NEMO use cases extension
- IoT/Edge apps and services that use heterogeneous IoT and NEMO components towards new services

Average Value:

90 KEuros

Eligible organisations:

IoT/Edge applications/service developers

Average duration:

9 Months

Open Call Coordinator contact:

Harry Skianis
cskianis@synelixis.com
Dimitrios Skias
Dimitrios.Skias@netcompany-intrasoft.com

Number of grants awarded:

10

More info available on our website
by September 2023
https://meta-os.eu

Thank you for your attention!

Harry Skianis, SYNELIXIS

cskianis@synelixis.com

aerOS Open Calls

- **Two** open calls to be conducted

	1st Open Call Schedule		2nd Open Call Schedule		
Sept-23	Announcement	M13	Announcement	M20	Apr-24
Oct-23 to Jan-24	Submission Phase	M14-M17	Submission Phase	M21-M24	May-24 to Aug.-24
Feb-24 to Mar-24	Evaluation Phase	M18-M19	Evaluation Phase	M25-M26	Sep-24 to Oct-24
Apr-24	Start Participation	M20	Start Participation	M27	Nov-24
Nov-24	End Participation	M27	End Participation	M34	Jun-25

- A total of **900k€** will be distributed to external third parties.
- Expected ~15 contributions (max.7 in the first, and min. 8 in the second) will be selected.
- Each open call will be funded with a fixed amount of **60k€**.
- Each open call funded proposal will have to focus **on one out of the three pilots.**

What's the focus of each round?

Round #1

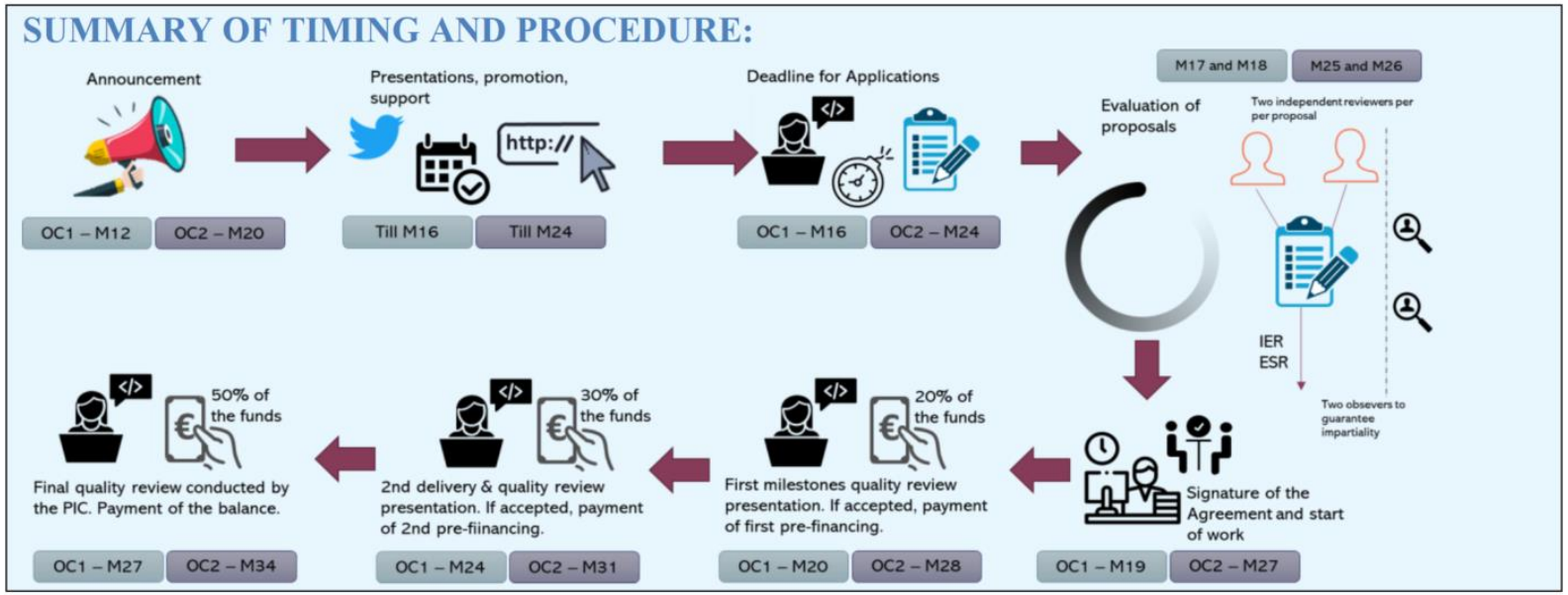
(1) extension of functionalities delivered by aerOS, (2) expansion of application of aerOS in the five use case verticals considered in the project

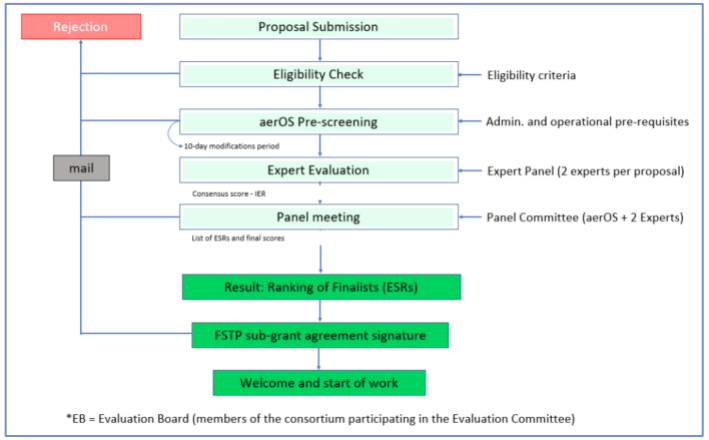
Round #2

(3) application of aerOS to verticals outside of these considered in the project

This Communication is part of a project that has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement N°101069732

aerOS Open Calls





- Guidelines will be available on aerOS website by September 2023

The **proposers** will have to:

- Be individuals, SMEs, Universities or Research Centres.
- Propose a project of 8 months (fixed duration).
- Prepare a proposal of max. 15 pages explaining the work to be contributed. The template will be prepared in the context of this task

The **evaluation criteria** will be:

- Relevance to aerOS (min. 3 out of 5)
- Impact and sustainability (min. 4 out of 5)
- Technical Excellence (min. 4 out of 5)
- Quality of implementation (min. 4 out of 5)
- Quality of the team (min. 4 out of 5)

NebulOuS

A META OPERATING SYSTEM FOR BROKERING HYPER-DISTRIBUTED APPLICATIONS ON CLOUD COMPUTING CONTINUUMS

Main goals of the project

- Develop a Meta Operating System and a platform that enables transient fog brokerage ecosystems that can seamlessly exploit edge and fog nodes with multi-cloud resources while coping with low-latency applications.
- Manage the CEI continuum layers with a focus on efficiency and decentralised processing, with the development of interoperability capabilities and security guarantees necessary for the ecosystem.
- Use AI to strengthen its brokerage and orchestration processes, delivering a self-healing and self-managing continuum with the flexibility and stability to adapt to virtually any scenario or malfunction.

Main outputs of the project

- NebulOuS Meta-OS platform.
- Semantic models for fog brokerage.
- Multi-Criteria Decision Making (MCDM) based cloud & fog service brokerage.
- Optimised application lifecycle Management.
- Autonomous and secure reconfiguration support.
- Distributed Event Management System (EMS) with automatic anomaly detection.

Use Cases

Agriculture

Precision Agriculture

Transportation and Logistics

Supply of Fresh Food to a City

Energy and Utilities

Windmill Maintenance

Environment

Crisis Management

Smart City

Computer Vision for City Maintenance

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NebulOuS

GET INVOLVED!
OPEN CALL OPPORTUNITIES

NebulOuS FSTP action aims to fund 9 projects, up to €150K each and 6 months duration (Total of €1,35M)

2 Open Calls

1ST OPEN CALL

Type of Action: Validation of basic aspects of the platform

An initial list of assets will be available for the launching of the 1st call

Open Date: **Jan 2024**
Close Date: **Feb 2024**

2ND OPEN CALL

Type of Action: Validation of extended aspects of the platform

An updated list of assets will be available for the launching of the 2nd call

Open Date: **Sep 2024**
Close Date: **Oct 2024**

Eligible organisations:

1. Micro, small and medium-sized enterprises working on the IoT, Edge, Cloud or and other related technologies.
2. Research institutions, research infrastructures, non-profit organisations and charitable (scientific) foundations and public research centres, when supporting organisations of category 1 in a collaborative 3rd party project.

Besides the equity-free funding up to €150K, the teams will benefit from:

- Direct support and guidance from a pool of mentors in the field for using and integrating NebulOuS components.
- Access to specialized and qualified resources.
- Designated mentor in implementation stage.

More info

- ✔ Latest updates here https://www.nebulouscloud.eu/open-calls/
- ✔ Open Call Coordinator contact opencall@nebulouscloud.eu
- ✔ Apply via F6S Platform

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FLUIDOS Open Calls

Two rounds

1st Call
January 2024

2nd Call
September 2024

SAVE THE DATES

	1st Open Call	2nd Open Call
Annoncement	Jan 24 (M16)	Sep 24 (M24)
Evaluation Phase	Feb 24 – Mar 24	Oct 24 – Nov 24
Start Participation	May 24 (M20)	Jan 25 (M28)
End Participation	Jan 25 (M28)	Sep 25 (M36)
Funding	€ 75k	€ 120k

15 contributions in total!

Two types of grants

Technology Extension Grant (TEG):
- MAXIMUM 5 applicants
- ONLY in 1st Open Call
- Individual applicant (i.e., no consortia)

TEG

propose and integrate new features in FluiDOS and validate the resulting software in a new use case

Use Case Grant (UCG)
- MAXIMUM 10 applicants
- 5 in 1st Open Call
- 5 in 2nd Open Call
- for both individual applicants and small consortia (of at most 3 entities)

UCG

new demonstrators to validate the FluiDOS architecture and software (no extension to FluiDOS core modules)

Who is this for?

individual researchers, developers, innovators from universities, research institutions, innovative companies

Overview of the Open Calls

Two open calls: up to 16 participants

Budget: up to €1.5 M

1st call: develop Virtual Objects and IoT enablers

2nd call: validate the architectural approach & synergetic meta-orchestration framework

1st Open Call

Timeline:
Open Call: October - November 2023
Evaluation period: December 2023 – February 2024
Support programme: March 2024 - August 2024

Funding:
Up to €76k per beneficiary, 8 projects to be awarded

Supported activities:
Development of Virtual Objects, Composite Virtual Objects (incl. the Digital Twin concept), and generic IoT enablers.

Eligible organisations:
Individual industrial entities such as SMEs (incl. startups) and midcaps.

More info at:
https://nephele-project.eu/ & https://spaces.fundingbox.com/c/iot-edge-community

Q&A

Survey Results