AIOTI Webinar:
Presenting Open Call Opportunities
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
  - NebuOUŠ - 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!
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’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.
- 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)
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.
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

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:
- Trust
- Data Sovereignty
- Digital Identity
- Internet Architecture & Renovation
- Decentralized Technology
- Interoperability & Standardization
- New Internet Commons

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
4.8M€ in funding for transatlantic cooperation in NGI Technologies

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Eligible entities:
- Universities & Research centers
- SMEs & Startups
- NGOs & Foundations

Teams composition:
- 1 EU partner + Canada partner
- NGI Sargasso will facilitate the pairings

TARGET AREAS:

APPLY TO THE NGI SARGASSO CANADA COLLABORATIVE OPEN CALL IN DIGITAL CREDENTIALS
FROM 1 JUNE TO 31 JULY 2023

HOW TO APPLY:

STEP 1: Write your proposal

STEP 2: 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
Q&A
**Funding:**
Up to €200k per consortium (€150k + €50k for a consortium); 5 projects to be awarded

**Supported activities:**
ICOS solution development project

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

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

**Expected start/end:**
1 August/ 2 October 2023

**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

OPEN CALLS OVERVIEW

AIOTI webinar: presenting Open Call Opportunities

Harry Skianis, PhD
TM, Synelixis Solutions SA

Online, 7 June 2023
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
✔ Dataspaces & 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
### 1st Open Call

<table>
<thead>
<tr>
<th>Type of actions funded:</th>
<th>Average Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEMO meta-architecture extensions</td>
<td>150 KEuros</td>
</tr>
<tr>
<td>software components/plugins not covered by current NEMO implementation plan</td>
<td></td>
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<tr>
<td>Network/service/resources metering/automated control components</td>
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<tr>
<td>Port NEMO on new, heterogeneous IoT devices</td>
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<tr>
<th>Eligible organisations:</th>
<th>Average duration:</th>
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</thead>
<tbody>
<tr>
<td>software developing, edge cloud, telcos and IoT manufacturers SMEs</td>
<td>18 Months</td>
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<table>
<thead>
<tr>
<th>Open Call Coordinator contact:</th>
<th>Number of grants awarded:</th>
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<tbody>
<tr>
<td>Harry Skianis</td>
<td>6</td>
</tr>
<tr>
<td><a href="mailto:cskianis@synelixis.com">cskianis@synelixis.com</a></td>
<td></td>
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<tr>
<td>Dimitrios Skias</td>
<td></td>
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<tr>
<td><a href="mailto:Dimitrios.Skias@netcompany-intrasoft.com">Dimitrios.Skias@netcompany-intrasoft.com</a></td>
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1st Open Call Timeline

Open Call (Submission of Proposals) 2nd October - 29th December 2023

NEMO Sub-project Contract 16th - 30th March 2024

Open Call #1 Announcement 1st September 2023

Evaluation & Selection 3rd January - 15th March 2024

Project Implementation 1st April 2024 – 30th September 2025
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<tr>
<th><strong>Type of actions funded:</strong></th>
<th><strong>Average Value:</strong></th>
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<tbody>
<tr>
<td>NEMO use cases extension</td>
<td>90 KEuros</td>
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<tr>
<td>IoT/Edge apps and services that use heterogeneous IoT and NEMO components towards new services</td>
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<tr>
<th><strong>Eligible organisations:</strong></th>
<th><strong>Average duration:</strong></th>
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<tbody>
<tr>
<td>IoT/Edge applications/service developers</td>
<td>9 Months</td>
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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

<table>
<thead>
<tr>
<th>1st Open Call Schedule</th>
<th>2nd Open Call Schedule</th>
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<tbody>
<tr>
<td>Sept-23</td>
<td>Apr-24</td>
</tr>
<tr>
<td>Oct-23 to Jan-24</td>
<td>May-24 to Aug.-24</td>
</tr>
<tr>
<td>Feb-24 to Mar-24</td>
<td>Sep-24 to Oct-24</td>
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<tr>
<td>Apr-24</td>
<td>Nov-24</td>
</tr>
<tr>
<td>End Participation</td>
<td>Jun-25</td>
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<tr>
<td>M27</td>
<td>M34</td>
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- 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
aerOS Open Calls

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)

Guidelines will be available on aerOS website by September 2023.
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

Precision Agriculture
Supply of Fresh Food to a City
Windmill Maintenance
Crisis Management
Computer Vision for City Maintenance

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GET INVOLVED!
OPEN CALL OPPORTUNITIES

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.

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

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

<table>
<thead>
<tr>
<th></th>
<th>1st Open Call</th>
<th>2nd Open Call</th>
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<tbody>
<tr>
<td>Announcement</td>
<td>Jan 24 (M16)</td>
<td>Sep 24 (M24)</td>
</tr>
<tr>
<td>Evaluation Phase</td>
<td>Feb 24 – Mar 24</td>
<td>Oct 24 – Nov 24</td>
</tr>
<tr>
<td>Start Participation</td>
<td>May 24 (M20)</td>
<td>Jan 25 (M28)</td>
</tr>
<tr>
<td>End Participation</td>
<td>Jan 25 (M28)</td>
<td>Sep 25 (M36)</td>
</tr>
<tr>
<td>Funding</td>
<td>€ 75k</td>
<td>€ 120k</td>
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SAVE THE DATES

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)

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)

Who is this for?
- individual researchers, developers, innovators from universities, research institutions, innovative companies

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

new demonstrators to validate the FluiDOS architecture and software (no extension to FluiDOS core modules)
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:**
Q&A
Survey Results