



EU**CloudEdgeIoT**.eu

TASK FORCE 1



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TASKFORCE 1

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Strategic liaisons



The task force

- “Liaising with EU Alliances towards Open Ecosystem”
- Lead by Paolo Azzoni and Jerker Delsing, Inside Industry Association (formerly Artemis-IA)
- Participants are TRUST, VDI/VDE and TRIALOG
- One of 6 Task forces

Partners from RIAs are invited to joining

Taskforce role and topics

- Liaising with EU based Alliances towards Open Ecosystem
- Management of interactions with AIOTI/ECS/GAIA-X/Eclipse/etc.
- Sharing of academic and technological outputs - common publications/conference papers



Our objective is to:

- Liaison with EU initiatives (organisations and alliances) involved in the Edge-to-Cloud continuum
- Identify actors shared between the initiatives in EU
- Identify of a common ground for the computing continuum
- Share and promote the results of the strategic analysis

To reach our objectives, we intend to:

- Organise meetings and workshops
- Cooperation with UnlockCEI
 - Identification/definition of common objectives
 - Monthly synchronisation
- Produce a whitepaper



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WILL YOU JOIN OUR TASKFORCE?

JOIN THE TASKFORCE



We are looking for members to join our taskforce!

Why join?

- Expand and strengthen your network of peers within Europe
- Help shape the future of the Edge-to-Cloud continuum by sharing your vision

What do we expect from you?

- Quarterly meetings (optional additional meetings based on specific needs)
- Co-editing of a whitepaper and co-organisation of workshops
- You are a member of
 - management staff of organisations operating in the Edge-to-Cloud continuum,
 - technical committee, scientific councils or communication staff in this domain
- The task force will be active until December 2024



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**INTERESTED?
OR LOOKING FOR MORE INFORMATION?**

Reach out to paolo.azzoni@inside-association.eu or
jerker.delsing@ltu.se



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LIAISONS PRELIMINARY ANALYSIS

Plan and next steps



- Analysis currently included:
 - AIOTI
 - GAIA-X
 - FIWARE
 - TransContinuum
 - HiPEAC
 - EPOSS
 - 5G-IA & 6G-IA (SNS)
- Next step will include other EU initiatives and RIAs
 - Eclipse, Apache, European Alliance for Industrial Data, Edge and Cloud, SW Forum, etc.

NEXT STEP



- Analysis of additional initiatives
- Identification of initiative technology status
- Mapping of initiatives to Cloud to Edge continuum roadmaps'
 - Identification status vs roadmap timelines
 - Identification of white areas
- Contribution to white paper



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THANK YOU FOR LISTENING!

QUESTIONS?



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TF2 – Open Source Engagement

Lead by ECLIPSE FOUNDATION (Open Continuum)

The Claridge – Brussels, Belgium | 10-11 May 2023

**Concertation and Consultation on Computing Continuum:
From Cloud to Edge to IoT**

Organized by: **Open Continuum** | Supported by: Unlock CEI and SWForum

Mission, objectives and goals

Objectives:

- Strategies for engaging *open source community*
- Successful *open source launch*
- *Best practice, technical tools and requirements for open source*
- *Foster synergies across research projects*
- *Provide guidance on OS*

MISSION

- Develop a strategy for **European digital autonomy** in Edge-to-Cloud through Open Source
- Contribute to the definition of a **common open architecture** for the computing continuum
- Promote the potential of **Open Source as an innovation and collaboration** driver
- Enlighten industry and research stakeholders on the **benefits** of a long term Open Source Strategy (OSS)

What has been done so far

- Webinar on Eclipse IoT & Edge OSS projects targeting the MetaOS cluster
- Meeting in Toulouse with the MetaOS cluster to initiate the OSS stack work
- Presentation of the TF2 during the official launch, Feb. 8.
- Initial data elaboration from the F2F meeting in Toulouse.
- Joint collaboration with TF3.
- Webinar with Linux Foundation



IoT and Edge at Eclipse: Making Sense of the Puzzle
Frédéric Desbiens
Online December 7th, 2022

eclipse **IoT** Open Continuum

EU Cloud Edge IoT.eu

Unification of Edge Compute
Arpit Joshipura
Online, June 8th, 2023

THE LINUX FOUNDATION

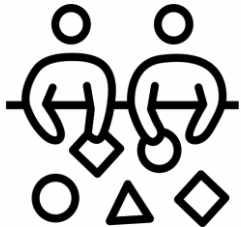
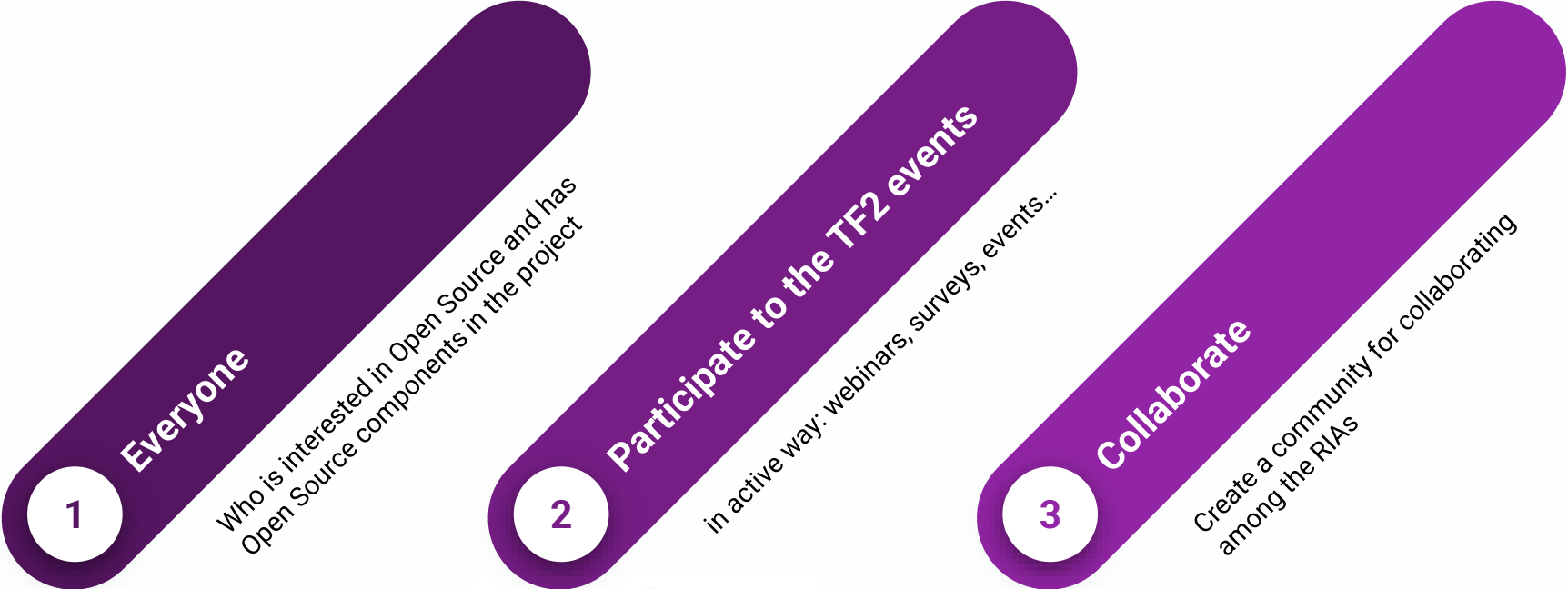
Funded by the European Union

eCEIC-Reference Architectures - Structured

Vertical	Feature	Component	Project	Research or OS	Definition
56	4-Cloud to Edge Continuar	Resource Management	K8s (alias Kubernetes)	Fluids	Most matured and most used one
57	1-Constrained Devices	AI/ML	Keras	ICOS	
58	2-Edge	Edge Orchestration	Knative	NEPHELE	
60	2-Edge	Edge Orchestration	KubeEdge	Nebulous	Extension of Kubernetes for Orchestration for
61	2-Edge	Edge Orchestration	KubeEdge	Fluids	
62	2-Edge	Edge Orchestration	KubeEdge	aerOS	Under consideration.
				NEPHELE	

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Who can join and how



Team and Contact



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TF3 – Architecture

Lead by ATOS (Open Continuum)

The Claridge – Brussels, Belgium | 10-11 May 2023

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Mission, objectives and goals

Mission: *Position Europe as a key player in the continuum arena.*

Objectives

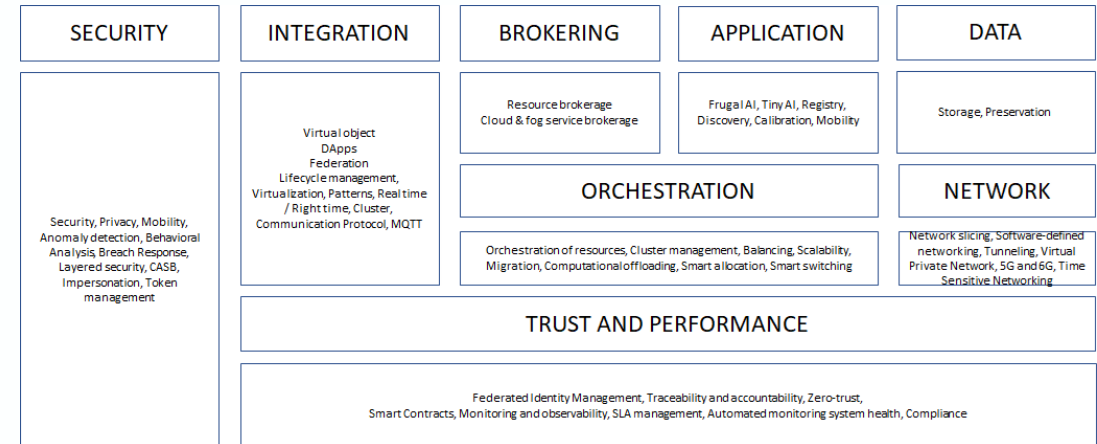
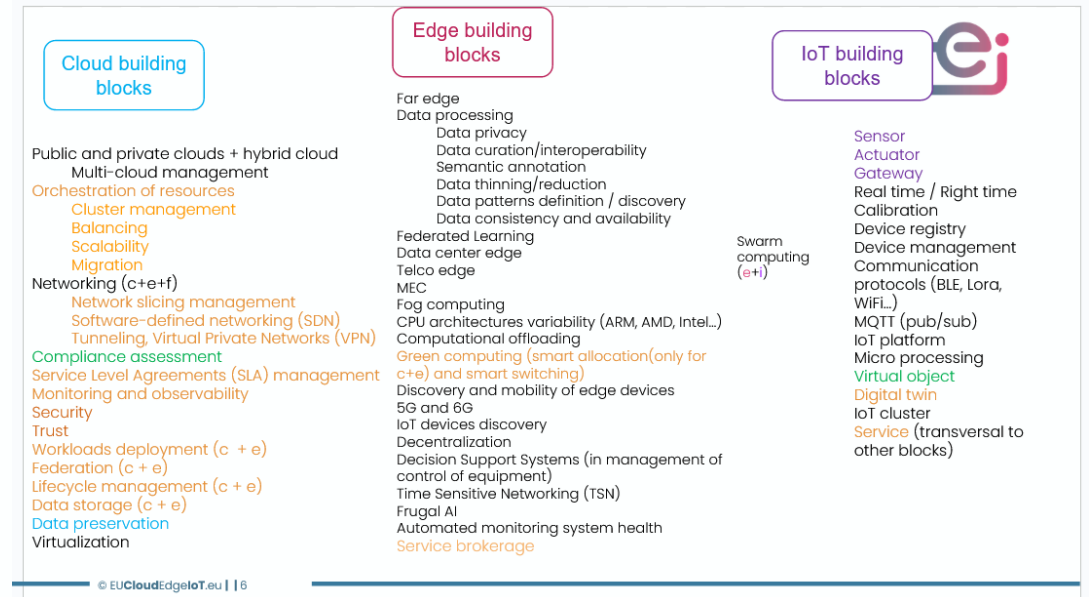
- Identify and categorize key building blocks according to a **taxonomy**
- Develop **architecture** descriptions that can be provided to standardisation

Goals

- Homogenise the cloud-edge-IoT terminology taking into account inputs from all actors of the continuum value chain.
- Develop a reference architecture that can be mapped with different solution ones.
- Define the European continuum landscape.

What has been done so far

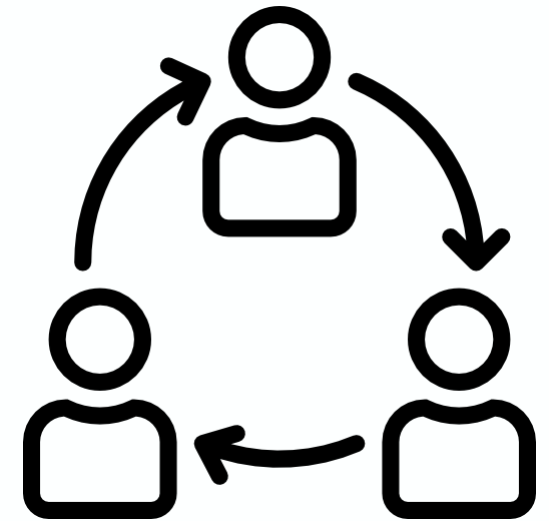
- Official presentation during task forces meeting (Feb 8th)
- Different iterations of a faced taxonomy
 - Identification of key building blocks
 - Revision of current standards
- 1st Taxonomy workshop with Meta-OS projects
 - More to come with other projects
- Definition of the conceptual framework methodology for project landscaping
- Strong collaboration with TF2
 - Also with TF5



Who can join and how

Who: All projects are invited to participate and share their thoughts!
Preferably Technical Coordinators or representatives with a technical profile.

How: Active participation in workshops.
Share your point of view.
Enrich your research through an open collaboration.
Contribute from you project perspective.



Team and Contact



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TF4 – Ecosystem Engagement

Lead by BluSpecs (Unlock CEI)

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Mission, objectives and goals

To support the engagement of external industry actors, especially SMEs for the commercial deployment of use cases and developed solutions within the MetaOS cluster and other advanced use cases.

Main topics:

- Phase 1:
 - Coordination of Open Calls activities
- Phase 2
 - Scoping of commercial pilots
 - Commercial relationship development and workshops

Key objectives:

- Ensure peer-to-peer learning and sharing of resources related to Open Calls
- Enable successful engagement of SMEs and start-ups with the EU CEI
- Facilitate access to piloting collaborations and/or partnerships with commercial entities and business units

Past and upcoming

AIOTI Early Innovation Champions Task Force Webinar: Success in managing Open Calls in IoT and Edge

February 27 @ 15:00 - 16:00

AIOTI Early Innovation Champions Task Force
Success in managing Open Calls in IoT and Edge
Key Learnings and Best Practice

Monday 27th February 2023
15:00 - 16:00h CET
ONLINE



Open Calls overview:	
Number of Open Calls:	2
1st Open Call	
Open Date:	Oct 2023
Close Date:	Jan 2024



1st Open Call	
Type of actions funded: Small projects that validate aerOS architecture and focus in one of our use cases	Average Value: EUR 60k Fixed value
Eligible organisations: SMEs RTOs and Academia Individuals NO large companies allowed	Average duration: Max. duration: 9 months
Open Call Coordinator contact: Ignacio Lacalle iglaub@upv.es	Number of grants awarded: 7

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JOIN THE CLOUD EDGE IOT

Opportunities for SMEs and Researchers

Open Calls
September 2023





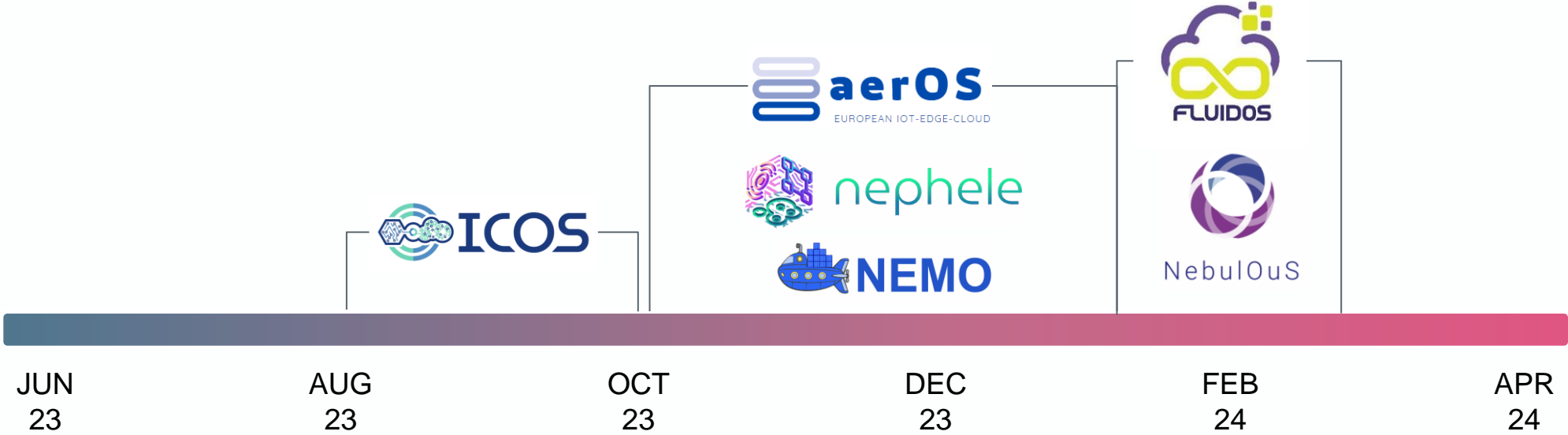




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MetaOS Open Calls – Round 1



Team and Contact



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TF5 – Market and Sectors

Lead by IDC (Unlock CEI)

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Mission, objectives and outcomes

Mission: *Bridge the gap between demand and supply and support the projects' solutions exploitation*

Objectives

- Provide insights and knowledge **about CEI market forecast and trends** (both at sector and use-case level)
- Support the projects for the **commercial exploitation** of their solutions
- Identify **synergies and collaboration opportunities** among the projects and use-cases

Outcomes

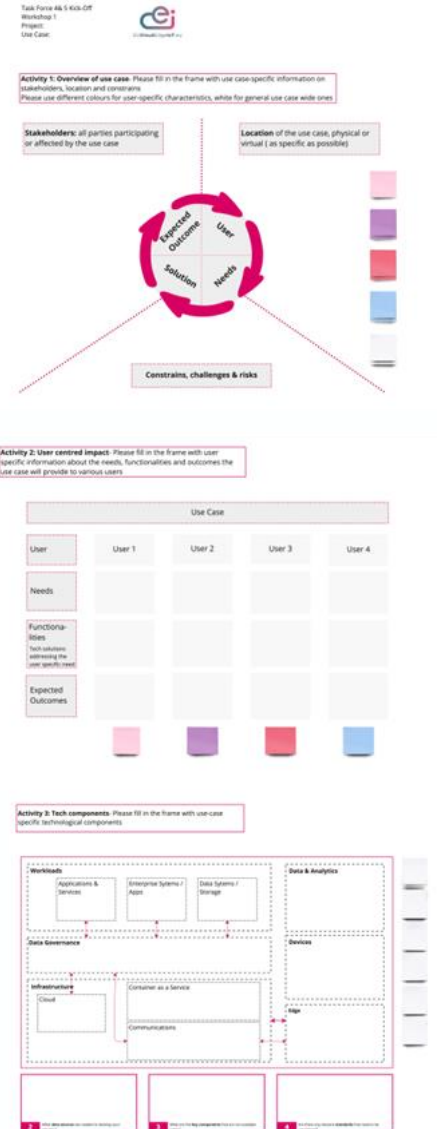
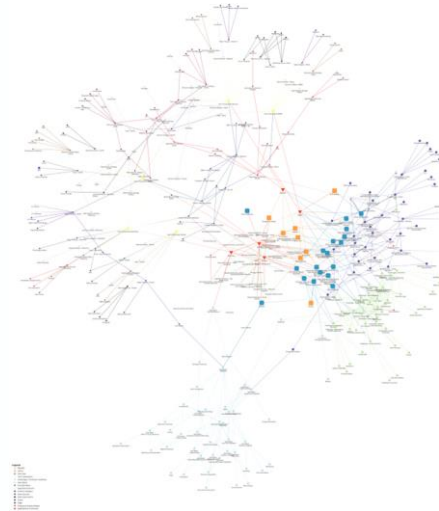
- Detailed and harmonized use-cases mapping
- Collaboration tool
- Strategies for projects commercialization
- White paper/s on CEI emerging use-cases and market exploitation

What has been done so far

- TF5 Kick-off meeting (Jan 2023)
- 2 workshops with of Meta-OS use-case definition (Jan 16th and Feb 13th)
- Official presentation during task forces meeting (Feb 8th)
- 2 TF5 meetings to plan next strategic activities and next actions (Mar and Apr 2023)

Delivered outputs so far

- Use-case catalogue as a result of the first two workshops
- Collaboration tool for Meta-OS projects
- Report of the first two workshops



Next Steps

Workshop



LEADS
ADVANCED DIGITAL SKILLS

EU CloudEdgeIoT.eu

WORKSHOP: CLOUD-EDGE-IOT SKILLS DEMANDS FOR ADOPTION
18TH MAY 2023 11.00-13.00 CET (ONLINE)

Objectives:

- Identify key roles in the deployment of leading CEI Use Cases:



NebuloUS



- Identify the **skills** (and **profiles**) required by eventual industry adopters of the use cases
- Support the **business modelling** and **commercialization** of projects through provision of insights for required resources skills

Webinar

Computing Continuum and the role of AI as a complementary technology: European market forecast and insights

24 May 2023, 14:00-15:30 CET



AGENDA

- 14:00 – 14:30 – Welcome and introduction – **John Favaro, Trust-IT**
- 14:05 – 14:20 – Artificial Intelligence and Computing Continuum: A European Perspective – TBD
- 14:20 – 14:30 – UNLOCK-CEI and EU Cloud-Edge-IoT Introduction – **Golboo Pourabdollahian, IDC**
- 14:30 – 14:40 – AI-SPRINT Introduction – **Danilo Ardagna, Politecnico di Milano**
- 14:40 – 14:55 – Insights of European demand market of Edge-IoT – **John Gole, IDC**
- 14:55 – 15:15 – A closer look and market analysis for AI on computing continuum – **Ewa Zborowska and Jack Vernon, IDC**
- 15:15 – 15:25 – Q&A
- 15:25 – 15:30 – Wrap-up and conclusion – **John Favaro, Trust-IT**

TF5 Session



Concertation and Consultation on Computing Continuum: From Cloud to Edge to IoT. Organized by: **Open Continuum**



Team and Contact



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TF5 Leader, IDC
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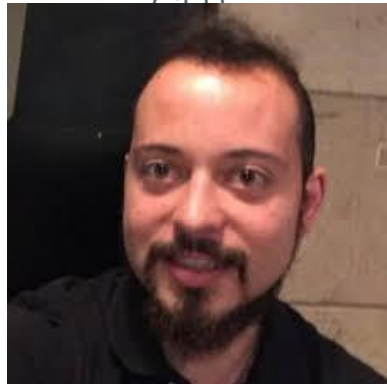
John Gole
IDC

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NTUA (Nephele)

Harry Skiantis
Synelixis (NEMO)

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LEADS
ADVANCED DIGITAL SKILLS



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WORKSHOP: CLOUD-EDGE-IOT SKILLS DEMANDS FOR ADOPTION
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NebulOuS



- Identify the **skills** (and **profiles**) required by eventual industry adopters of the use cases
- Support the **business modelling** and **commercialization** of projects through provision of insights for required resources skills

What you need to know:

[LeADS](#) and EU Cloud-Edge-IoT initiative (through [UNLOCK-CEI project](#)) joint forces to investigate the link between CEI use-cases and the required digital skills for the exploitation of these.

What you will find:

- Novel insights** in ADVANCED DIGITAL SKILLS demands forecast for the next 5 years based on market analysis on specific technology use cases
- Engagement opportunity** with relevant stakeholders from Digital Europe Programme CSA to facilitate RIAs outreach
- Contribute to contribute to a **white paper publication** on recommendations on for exploitation plans of both projects.
- Unique discussion** on the required digital skills to be included in the early phases of the exploitation process to support a **successful Go to Market journey** on the following fields:



[REGISTER HERE!](#)

Register Here!

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Computing Continuum and the role of AI as a complementary technology: European market forecast and insights

24 May 2023, 14:00–15:30 CET



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[Register Here!](#)

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TF6 – Communications

Lead by MARTEL INNOVATE (Open Continuum) & Trust-IT (UNLOCK-CEI)

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Mission, objectives and goals

- **Mission**

Have **eucloudedgeiot.eu** become the main reference portal for all main research and business initiatives and companies active along the cloud, edge & IoT continuum

- **Key objectives**

- Create a brand identity for the EUCloudEdgeIoT initiative and promote an harmonised way among CSAs, creating a shared voice to maximise impact
- Develop an engaged community containing all the EUCloudEdgeIoT stakeholders, including all the clusters present today and other existing communities
- Amplify RIAs' activities
- Coordinate common events or joint presence at third party events
- Sustain a continued, content-rich debate on CEI continuum



@EU_CloudEdgeIoT



company/eucloudedgeiot/



channel/eucloudedgeiot_eu



zenodo.org/communities/
eucloudedgeiot/

What has been done so far

TF started in **July 2022** – Initially only for internal purposes (Open Continuum + UNLOCK-CEI)

- Common identity Joint branding, logo, website, social media channels

TF gradually opened to other projects developing a wider community

- **September 2022 – January 2023:** initial interactions with some projects, liaisons with the existing CSAs (H-Cloud, NGIoT, SWForum)
- **February 2023:** Official Launch of the Community: opening to all the projects in the Cloud,Edge,IoT domains with the following elements being offered from **March 2023** onwards:

<p>EC powered umbrella initiative (Co-branding)</p>	<p>Visibility on the EUCEI Platform (Dedicated projects page linking to your website)</p>	<p>Monthly Meetings with Roundtable (Share your activities)</p>	<p>Visibility across all Projects (Mailing List)</p>	<p>Joint Repository (templates, social media)</p>	<p>Joint Comms (Joint Events, Newsletters, Social Media) @EU_CloudEdgeIoT</p>	<p>Promotion on EUCEI channels (Open Calls, Papers, Events, Surveys, Blog)</p>
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- **May 2023:** Booklets and Brochure for the community

Who can join and how

Who: Communications representatives of all relevant (working in Cloud, Edge, IoT) projects regardless of their level of maturity or stage

How: contact info@eucloudedgeiot.eu to be included in our mailing list and joint folder

Team and Contact



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