



EU**Cloud**EdgeIoT.eu

Official Launch of the EU**Cloud**EdgeIoT.eu Community

The European Cloud, Edge and IoT Continuum

- Open Continuum
- Unlock CEI

Please be aware that the meeting is being recorded



TURN OFF MIC

Please keep muted during the presentation. Raise your hand if you want to speak.



QUESTIONS IN THE CHAT

Include your questions on the chat. Or use info@eucloudedgeiot.eu



SPREAD THE WORD

Feel free to share your experience on Twitter, via: @EU_CloudEdgeIoT, using #EUCloudEdgeIoT



AGENDA

Welcome

09:30 Introduction

- The EUCloudEdgeIoT.eu Initiative
- Who is here today

09:40 Presentation of Cooperation Mechanisms

- TF1 "Strategic Liaisons"
- TF2 "Open Source Engagement"
- TF3 "Architecture"
- TF5 "Market and Sectors"
- TF6 "Communications"
- TF4 "Ecosystem Engagement"

10:10 Join the community

10:15 Q&A

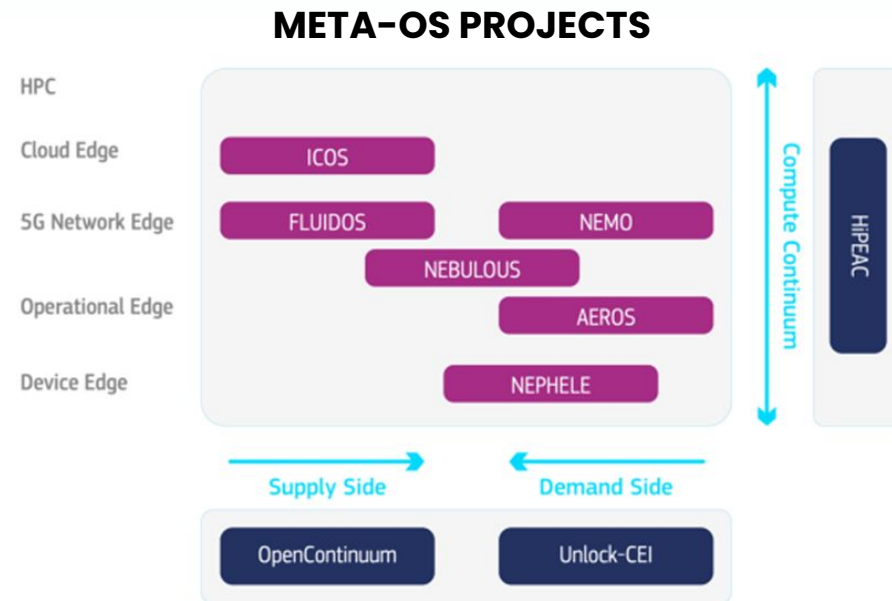
10:30 Conclusion



EU**Cloud**Edge**IoT**.eu

INTRODUCTION

The European Cloud Edge and IoT Continuum



EUCloudEdgeIoT.eu aims to:

- realise a pathway for the understanding and development of the Cloud-Edge-IoT (CEI) Continuum
- promote cooperation between a wide range of research projects, developers and suppliers, business users and potential adopters of CEI
- contribute to the coordination of a portfolio of projects in the CEI Computing Continuum funded under the **Meta-Operating Systems for the Next Generation IoT and Edge Computing**
- support the definition of the large-scale pilots envisaged by the European Commission in line with the EU Data Strategy.

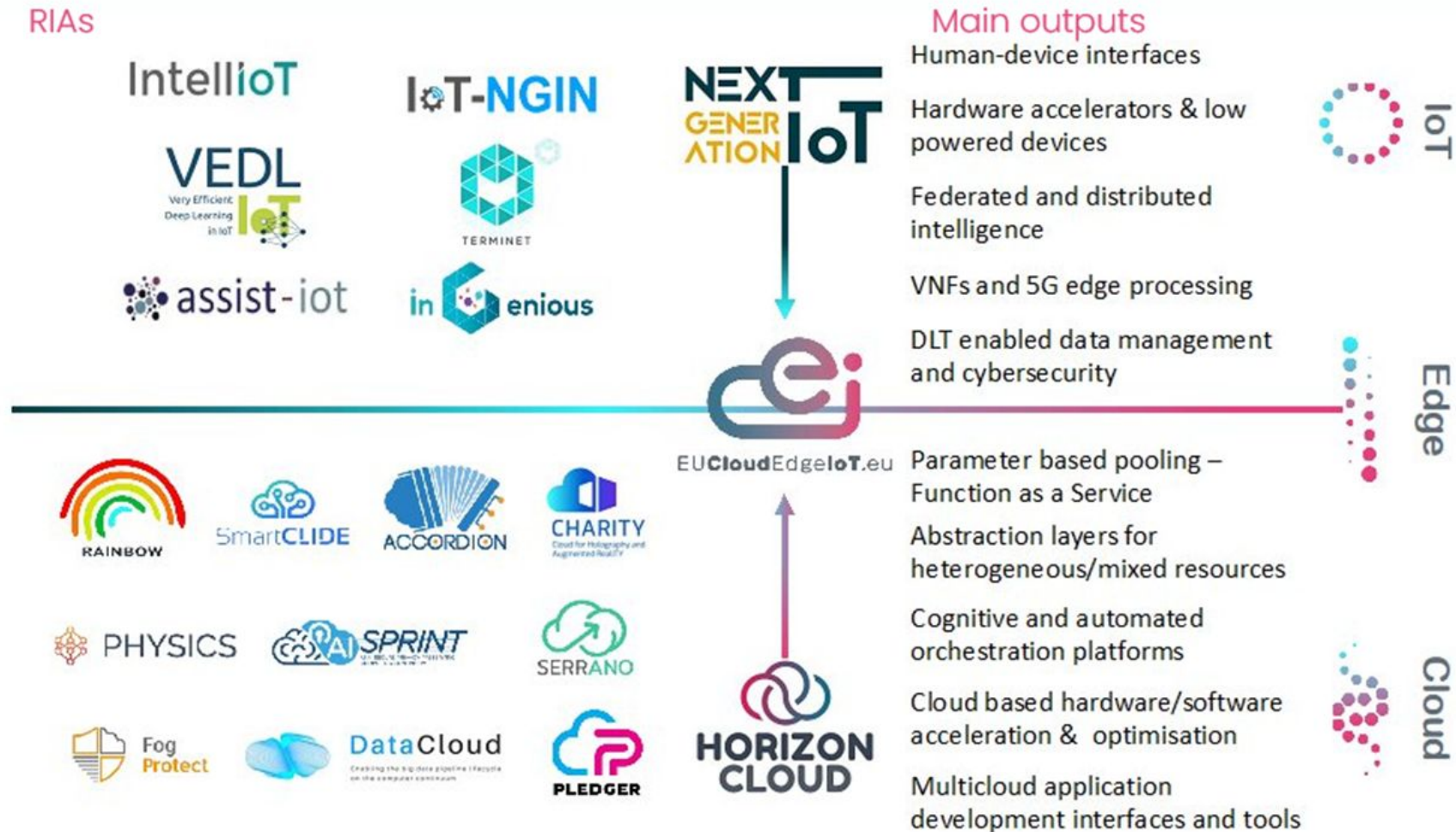
Partners



The Community

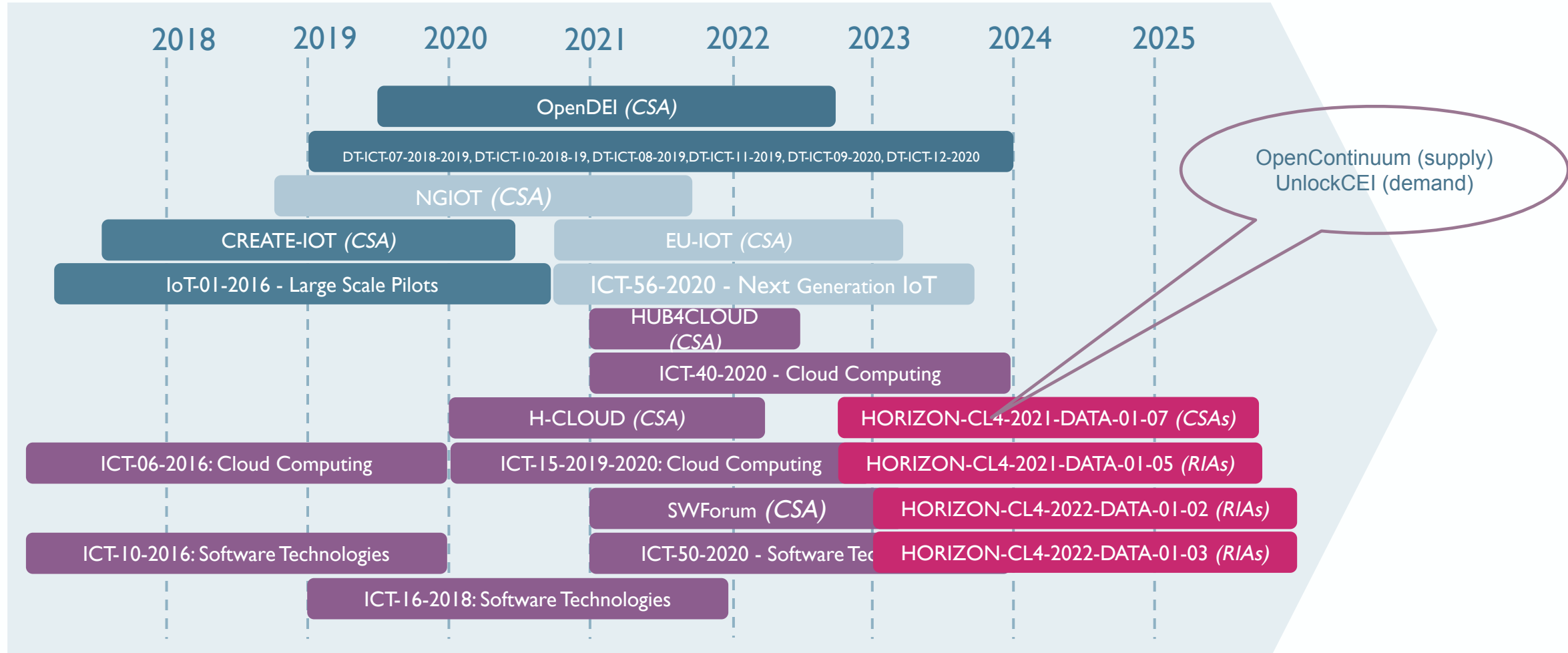


EUCloudEdgeIoT builds on top of previous initiatives: H-Cloud & NGIoT...

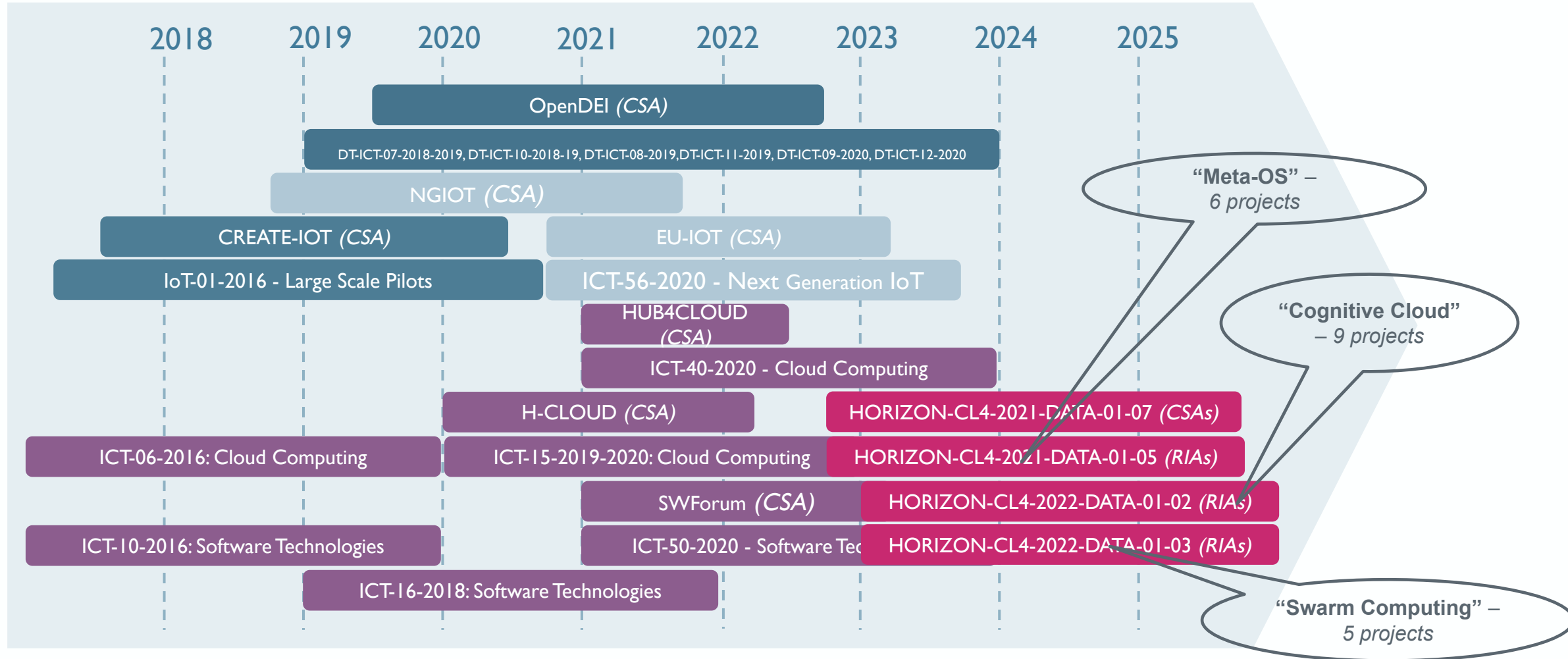


And aims to embed more (e.g. Cognitive Cloud, Swarm Computing, Open Source, Software Research...)

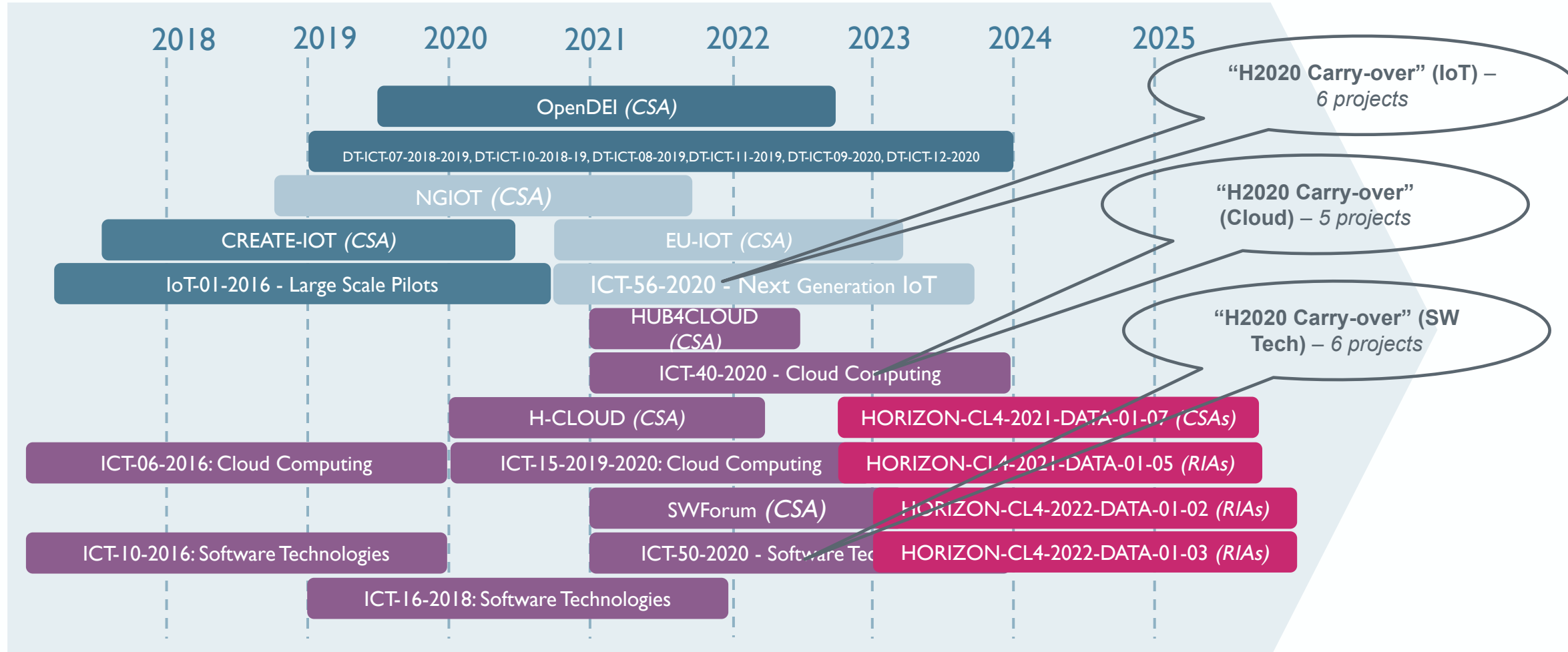
The Community



The Community













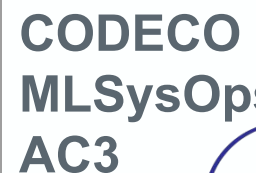





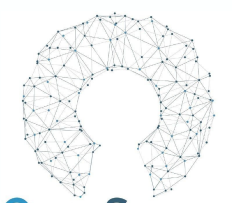










The Community



Who is here today – 31 projects



<p>ICT-40 (2)</p>  <p>AI IN SECURE PRIVACY-PRESERVING COMPUTING CONTINUUM</p>  <p>CHARITY Cloud for Holography and Augmented Reality</p>	<p>ICT-56 EU-IoT (5)</p>   <p>VEDLIoT Very Efficient Deep Learning in IoT</p>  	<p>MetaOS (5)</p>  <p>EUROPEAN IOT-EDGE-CLOUD</p>    	<p>Cognitive Cloud (6)</p>   <p>MLSysOps AC3</p>  
<p>Swarm (4)</p>    	<p>Open Source (4)</p>   <p>OPENCUBE</p> 	<p>ICT-50 (2)</p>   <p>DevOps for Complex Cyber-physical Systems</p>	<p>Others (3)</p>   <p>physical-cyber drones ecosystem agriculture • forestry • environment</p> 

TASK FORCES OVERVIEW



Strategic Liaisons



Open Source
Engagement



Architecture



Ecosystem
Engagement

(Focused on META-OS projects)



Market and Sectors
(Focused on META-OS projects)



Communications



EU**Cloud**Edge**IoT**.eu

TF1 – STRATEGIC LIAISONS

TASK FORCE 1



Strategic liaisons



The task force

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

Partners from RIAs are
invited to join

Task Force role and topics

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

KEY OBJECTIVES



Our objective is to:

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

To reach our objectives, we intend to:

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

Join the Task Force



We are looking for members to join our task force!

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 white paper 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



EU**Cloud**Edge**IoT**.eu

TF2 – OPEN SOURCE ENGAGEMENT

TF2 Open Source Engagement



Main topics:

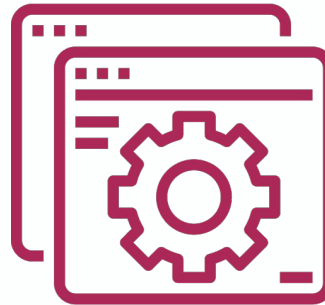
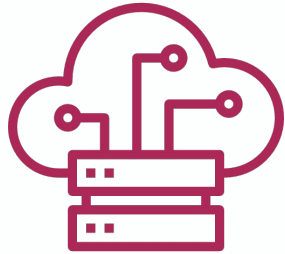
- Strategies for engaging *open source community*
- Successful *open source launch*
- *Best practice, technical tools and requirements for open source*
- *Foster synergies across research projects*



Key objectives:

- 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)

Open Source is eating the World



81%

% companies consuming
open source in products or
services

80-90%

Open source makes up 80-90% of
applications

44%

% firms contributing to
upstream open source
projects

Sources:  TODO **FORRESTER**[®]

TF2 Activity



Periodic Synchronization

- Collaborative tools for sharing knowledge
- Online Meeting (~Quarterly)
- Task Force Mailing list



MEETING



Dedicated Task Force events

- Co-located with Big Dissemination Events
- Organized by euCEIc



**ECLIPSE
CON2023**

IOTWeek



#ToulouseJan18



Outcomes



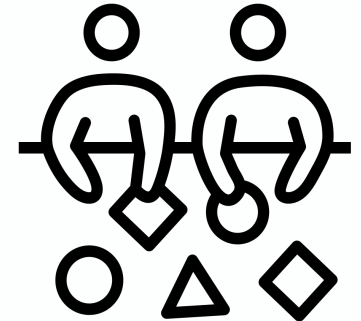
- **Guidance & White paper** on Open Source Strategy for computing continuum

"A white paper is a report or guide that informs readers concisely about a complex issue and presents the issuing body's philosophy on the matter. It is meant to help readers understand an issue, solve a problem, or make a decision."



WIKIPEDIA

- **EUCloudEdgeIoT open source workshops:** presentation, demos, hackathon



- A **strategy for European digital autonomy** in Edge-to-Cloud through Open Source





EU**Cloud**Edge**IoT**.eu

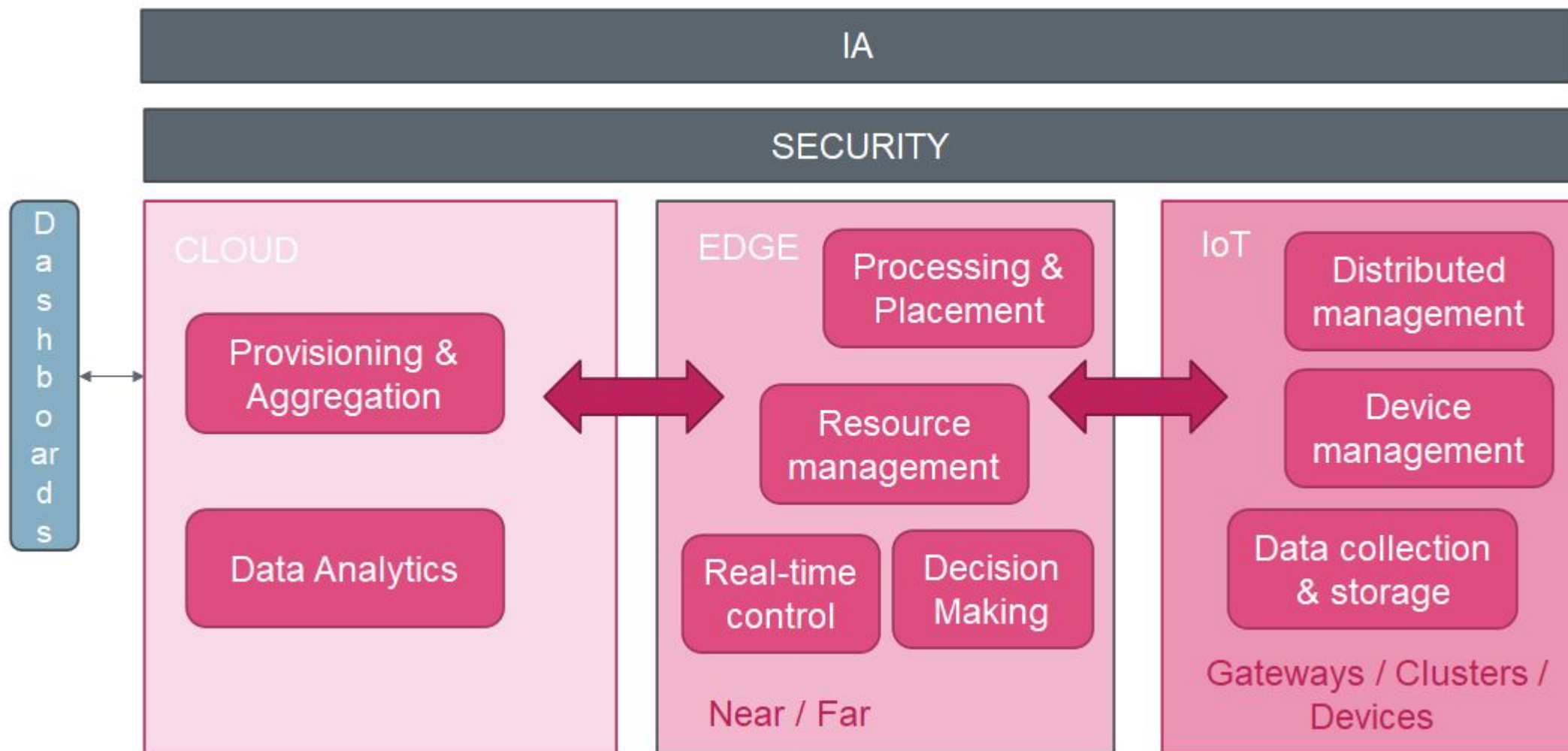
TF3 – ARCHITECTURE

Objectives



- **Common taxonomy**
 - Agreed and used by all projects
- Identification and categorization of key building blocks
 - For an homogenized **reference architecture**
- Architecture descriptions that can be provided to standardisation
 - **Positioning Europe** in the Continuum arena
- Sharing of components between RIAs
 - If possible, to foster collaboration and knowledge transfer
- Peer review and testing
 - Potential new and/or shared use cases

Initial building blocks





- For for the Continuum (compute plane)
 - Cloud – Edge – IoT
- Common for all projects
 - Agreed and used
- According to the final list of building blocks
- Mapped with 12 Building blocks for data spaces (data plane)
 - Interoperability / Sovereignty & Trust / Value Creation / Governance
- Collaboration with TF5 for naming convention

How to participate?

- Terminology workshops

Who can participate?

- Meta-OS projects
- Cognitive projects
- Swarm projects
- Others

Session format

- Workshop using Muro
- Groups depending on the number of participants

Result(s)

- Standardised taxonomy properly documented
- To be shared with the EC



- European Continuum Architecture
 - Using agreed taxonomy
- Reference for future work / challenges
- Basis for solution architectures according to project needs
 - Mapped with projects' architecture
- Different iterations for different perspectives
 - Generic / AI-oriented / Device oriented / Faas-serverless / Security oriented / ...

How to participate?

- Architecture discussions

Who can participate?

- Meta-OS projects
- Cognitive projects
- Swarm projects
- Others

Session format

- Offline discussions and online pooling
- Groups depending on expertise

Result(s)

- Position paper
- To be shared with the EC



EU**Cloud**Edge**IoT**.eu

TF5 – MARKETS AND SECTORS

TF5– Market and Sectors

MetaOS Projects



Lead: IDC (UNLOCK-CEI)

Current Participants:

- BluSpecs (UNLOCK-CEI)
- ATOS (Open Continuum)
- UPV, Prodevelop (AerOS)
- Martel (FluidOS)
- EURECAT (NebulOus)
- Synelixis (NEMO)
- NTUA, Esaote (Nephele)
- ENGINEERING (ICOS)
- Use-case owners of Meta-OS projects

Main Topics:

- Demand market adoption, drivers and challenges
- Use-cases characterization
- Sector specific needs and requirements
- Commercialisation support (Later activity or close of the TF and launch of dedicated)

Key Objectives:

- Provide insights and transfer knowledge about the CEI demand market trends to projects
- Support the alignment between supply and demand to bridge the gaps
- Support the projects for the commercial exploitation of their solutions

Main outputs:

- Detailed use-case canvas of projects
- White paper on emerging CEI use-cases
- Projects commercialisation strategy

TF5– Market and Sectors



Jan 2023

Feb 2023

March 2023

April- Jul 2023



Activity

Use-case characterization
workshops

Demand landscape
interviews guideline
validation workshop

CEI Demand market
landscape webinar
series

Output

Consistent use-cases characterization

Critical dimensions for
deep-dive interviews

Benefits

- Detailed use-cases
- Information sharing with other use-cases

Get detailed info on
specific aspects from
market players

Better understanding of
demand market status,
trends and forecast



EU**Cloud**Edge**IoT**.eu

TF6 – COMMUNICATIONS

Task Force 6



Goal: Amplification of RIAs' activities – Acting as multipliers

What we can offer:

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

What we need from you:

- Join the monthly meetings and send the contacts for the mailing list. Inform about your activities, share your main comms material (logo, social media accounts, website).

Who can join:

- Communications Representative per relevant Project



EU**Cloud**Edge**IoT**.eu

TF4 – ECOSYSTEM ENGAGEMENT



Ecosystem Engagement

MetaOS Projects

Main topics:

- Coordination of Open Calls activities
- Definition of commercial pilots
- Commercial relationships and workshops

Key observations:

- Commencement of activities
End of February 23
- Launch webinar with NGIoT and AIOTI – TBC
- Change of focus in 2024
- Commercial relationships and engagement

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

Main outputs:

- Best practice guide and toolkit for Open Calls delivery
 - Collaboration with AIOTI Task Force
- Open Calls statistics
- SME profiles
- Commercial partners list

Join the Task Force



Regular Calls & Catch Ups

Peer-to-peer
Documentation
Approaches
Challenges
Other



Workshops & Networking Opportunities

Foster collaboration and boost
engagement in the CEI
community
Discover new opportunities and
commercial partners



Commercial pilot workshop

Advanced use cases to
find commercialisation
partners and opportunities



EU**Cloud**Edge**IoT**.eu

JOIN THE COMMUNITY

Be part of EUCloudEdgeIoT.eu



- SAVE THE DATE: **Early May 2023**, Brussels
F2F Concertation meeting with EC representatives
- Feedback to the EC **questionnaire**: [here](#)
- Join the **monthly Communication coordination calls** with the RIAs (Starts in March)
- Add the EUCloudEdgeIoT.eu **tagline** in your channels
- Subscribe to the [news digest](#) and be part of the community **mailing list**
- Follow and mention **@EU_CloudEdgeIoT** on Twitter and LinkedIn
- Be on our website **community page** at www.eucloudedgeiot.eu

The screenshot shows the bottom part of the EUCloudEdgeIoT.eu website. At the top of this section is a yellow banner for a newsletter sign-up. Below it is a 'PARTNERS:' section with logos for the European Digital SME Alliance, Fondazione Bruno Zevi, Hellenic Mediterranean University, IBM, Martel Innovate, Politecnico di Torino, and Robotnik. The bottom of the page is a dark purple footer containing the European Union flag, a text block about funding from the Horizon Europe program, a red circle around the text 'Part of EUCloudEdgeIoT.eu', and social media icons for Twitter and LinkedIn.

FLUIDOS

SIGN OUR NEWSLETTER!

Email *

Read about our activities, news, blogs, publications, and events.

Submit

PARTNERS:

European Digital SME Alliance

Fondazione Bruno Zevi

HELLENIC MEDITERRANEAN UNIVERSITY

IBM

MARTEL innovate

Politecnico di Torino

Robotnik

The **FLUIDOS** project has received funding from the European Union's Horizon Europe Research and Innovation Programme under Grant Agreement No 101070473

Part of EUCloudEdgeIoT.eu



EU**Cloud**Edge**IoT**.eu

Questions and Answers

Please write on the chat if you have a question. We will open the microphone for you.
Or you can write your question on the chat.

info@eucloudedgeiot.eu



EU**Cloud**Edge**IoT**.eu

TURN ON YOUR CAMERA AND SMILE! :)



EUCloudEdgeIoT.eu is supported by the Open Continuum and Unlock CEI and both received funding from the European Union's Horizon Europe Research and Innovation Programme under the Grant Agreement numbers 101070030 and 101070571.



EU**Cloud**Edge**IoT**.eu

info@eucloudedgeiot.eu

Atos

 **BluSpecs**

 **COMMpla**
Communication Platforms
and Online Solutions

 **ECLIPSE**
FOUNDATION


EGI

 **IDC**

 **Inside**
Industry Association


MARTEL
innovate

Trialog 

 **Trust-IT Services**
communicating to markets

VDI|VDE|IT