![SovereignEDGE.eu / COGNIT]

A Cognitive Serverless Framework for the Cloud-Edge Continuum

D6.3 Communication and Dissemination Plan & Report - c

Version 2.0

27 February 2026

Abstract

COGNIT is an AI-enabled Adaptive Serverless Framework for the Cognitive Cloud-Edge Continuum that enables the seamless, transparent, and trustworthy integration of data processing resources from providers and on-premises data centers in the cloud-edge continuum, and their automatic and intelligent adaptation to optimise where and how data is processed according to application requirements, changes in application demands and behaviour, and the operation of the infrastructure in terms of the main environmental sustainability metrics. This document provides information about the Project's communication and dissemination plan, including the specification of the target dissemination groups, the publication policy, event planning, and marketing. Then, it reports with detail the execution of the plan describing all the actions carried out. This is the final and standalone version that covers the whole project duration.

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0.1	29/12/2025	Alberto P. Martí (OpenNebula)
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Summary of Changes from Previous Versions

Executive Summary

This is the third and final version of the Communication and Dissemination Plan and Report Deliverable (D6.3). It provides the final version of the Communication and Dissemination Plan in Working package 6 ("Dissemination, Communication, Exploitation, and Standardization"), as well as a report of all the communication and dissemination actions that have taken place from the beginning till the final month of the Project (M1-M36).

The main communication and dissemination objectives of the Project have been:

- Ensure broad visibility and raise awareness about COGNIT, spreading knowledge about its results.
- Reach, stimulate, and engage a critical mass of relevant stakeholders to consolidate an ecosystem around the Project.
- Facilitate exploitation of the Project's data and research outcomes.

The communication and dissemination tools that the Project uses include a website, a public blog, a variety of informative materials like banners, videos, flyers, and roll-ups, and social media posts on LinkedIn and Twitter. Different types of actions have been defined per each type of target audience, including scientific and commercial publications, conferences, workshops, exhibitions, and engagement with the rich EU industry and innovation ecosystem via relevant pan-European communities and initiatives such as the EUCloudEdgeIoT initiative and the ongoing CSA NexusForum.EU (where RISE and OpenNebula participate as Coordinator and Core Partner, respectively).

The following communication and dissemination actions have been executed:

- ✔ COGNIT Ambassador Programme in place
- ✔ 4 open source communities participation
- ✔ 6 EU initiatives participation
- ✔ 6 exhibition booths: 3 in open source conferences + 3 in industry events
- ✔ 7 presentations in open source conferences
- ✔ 10 presentations about the Use Cases in industry forums
- ✔ 2 project event (COGNIT Day 2024, 2025)
- ✔ 7 internal webinars
- ✔ 6 technical workshop in open source events
- ✔ 6 published journal papers + 6 conference papers
- ✔ 4 research workshop in a scientific conference
- ✔ 6 commercial publication
- ✔ 6 press releases
- ✔ 10 blog posts
- ✔ 34 public deliverables (6 more expected on M36)
- ✔ 100+ social media posts with 60,000+ total impressions

Both OpenNebula—as Coordinator—and CETIC—as leader of WP6— have regularly monitored and overviewed all the Communication and Dissemination actions to ensure

they are in line with the original plan described in this document.

Table of Contents

Abbreviations and Acronyms

AI Artificial Intelligence

AWS Amazon Web Services

CSA Coordination and Support Action

EDIH European Digital Innovation Hub

FaaS Function as a Service

GA Grant Agreement

GDPR General Data Protection Regulation

IoT Internet of Things

KPI Key Performance Indicator

LFE Linux Foundation Europe

ML Machine Learning

NGO Non-governmental Organisation

OS Operating System

PR Press Release

RIA Research and Innovation Action

UC Use Case

URL Uniform Resource Locator

1. Introduction

The general purpose of the Communication and Dissemination plan and report Deliverable (D6.3) is to provide the approach of the COGNIT Project in terms of communicating, disseminating, and sharing information, results, and research outcomes with relevant stakeholders, target audiences, and the general public. This document is the final version that includes the description of the plan and provides the list of dissemination and communication actions executed during the project, as well as a summary on level of completion of the associated KPIs.

This report is composed of an introductory section and five additional sections organised in two main blocks of content:

- Part I focuses on providing the approach and structure of the Communication and Dissemination Plan. Thus, Section 2 defines the communication and dissemination approach, including the strategy, target audiences, and objectives; Section 3 describes the communication and dissemination tools that the project will use; Section 4 covers the planned communication and dissemination actions, including publication policy, event participation, and collaborations policy and targets; with Section 5 covering the monitoring and evaluation approach of the communication and dissemination actions of the Project, including the targeted Key Performance Indicators (as defined in the Grant Agreement).

- Part II focuses on reporting the results in the execution of the Project's Communication and Dissemination Plan. Section 6 provides the details of the specific actions performed up until M36. Section 7 summarises the impact that those actions have had on the expected KPIs during the reporting period.

PART I. Communication and Dissemination Plan

2. Communication Objectives and Approach

The Dissemination and Communication Plan describes the specific actions to be implemented in order to share (Dissemination) and promote (Communicate) the Project and its research results among potential users in the target groups. The aim of the Dissemination Plan is to enable the use and uptake of the results and gather feedback, to promote the benefits of the research carried out by COGNIT.

The Project's Communication and Dissemination Plan was initially created in D6.1 and has witnessed no changes during the following reporting periods in terms of strategy, target audiences, and key objectives.

2.1. Communication strategy

The communication strategy of the Project as an industry-led open source R&D action involves methods to effectively promote and distribute the project to a wide audience of both the academia and industry worlds. The goal in both cases is to increase awareness, attract contributors/collaborations, and encourage adoption of the results of the Project.

The key elements of the communication strategy are:

1. Determine the key target audiences of the project: These could include industry professionals, potential users, decision-makers, researchers, or the general public. Clearly define the objectives for targeting these audiences.

2. Online Presence: Establish a strong online presence by creating a dedicated project website. The website provides comprehensive documentation, tutorials, and resources for potential users and contributors. Maintain an active presence on relevant online platforms (e.g. GitHub) to effectively engage with the community and address enquiries.

3. Social Media Engagement: Leverage popular social media platforms like X (Twitter) and LinkedIn to share project updates, announcements, and success stories. Encourage the community to follow and engage with the Project's social media accounts. Regularly post informative and engaging content to generate interest and attract new users.

4. Utilise diverse communication channels: Select a mix of communication channels to effectively reach out to the Project's target audiences. These can include:

   - Online platforms (as described above).

   - Industry conferences and events: Participate in relevant industry conferences, trade shows, and events where to showcase software, deliver presentations, and engage with potential users and stakeholders.

   - Webinars and workshops: Organise webinars and workshops to provide in-depth demonstrations, training sessions, and interactive discussions about the project. Invite industry professionals and potential users to participate and engage with the Project and its community.

   - Press releases and media coverage: Prepare press releases to share important project milestones like project beginning, conclusion, and the successful execution of the pilots, among other significant achievements. Engage with industry-specific media outlets and journals.

5. Community Building: Foster a vibrant and inclusive community around the project. Create discussion forums, use collaboration platforms and events to interact with this ecosystem. Actively participate and curate this community, providing support, and encouraging discussions to build a strong network of users and contributors.

6. Other relevant projects outreach: Reach out to relevant projects and communities to promote the project. Attend or speak at conferences, workshops, and events to present the Project's achievements. Collaborate with other projects or organisations to increase visibility, especially with those that are also EU-funded.

7. Collaborate with industry or academia partners: Seek partnerships with complementary companies or organisations that can benefit from the Project. Explore opportunities for joint research initiatives, cross-project collaborations, or integration with other academic or industry solutions.

8. Measure and evaluate impact: Establish monitoring mechanisms to assess the progress of the Project towards its dissemination KPIs and effectiveness of the dissemination strategy. Track website traffic, engagement on social media platforms, download rates for content, and user feedback. Continuously evaluate the impact of the Project's efforts, and make adjustments when needed.

2.2. Target audiences

The Communication and Dissemination Plan defined in Deliverable D6.1 (M6) already identified the following target audiences as relevant to disseminate the Project and explore mutually-beneficial collaborations:

- Academia: Universities, research organisations (university centres, non-profit organisations, or public research centres)

- Industry: Companies that can be end-users of the COGNIT Framework, or companies that develop technologies or services that are in the area of IoT and cloud/edge computing.

- Private and public entities in Europe: Government agencies (involved in digitalisation, or domain specific), and NGOs.

- End-users, networks and associations, and EU agencies: EDIHs, CSAs, RIA projects.

- COGNIT partners: Organisations that are already part of the Consortium. ● General

public and the media.

The main objectives of dissemination and communication activities to these audiences are:

- Raise awareness: Make the Project's progress, benefits, and outcomes known to the target audiences. Includes informing them on improvements on performance, capabilities, and security of the solution developed by COGNIT. In this case, the objective is to encourage audiences to engage with the Project and its outcomes.

- Invite them to collaborate: Collaboration in the form of joint communication and dissemination of the project and its results; in the form of community building for all forms of contributions to the technological solution (development, testing, reviewing, improving documentation, etc); or in the form of partnerships towards new solutions or to increase visibility.

- Present results: Inform the audiences about the achievements of COGNIT. Version 2.0 27

	Main objectives	Dissemination Channels
Academia	Raise awareness Invite to collaborate Present results	Scientific journals Research workshops Scientific conferences Project website

Industry	Present results Invite to collaborate	Industry events and forums Open source conferences Commercial publications Exhibitions Website Blog
Private and public entities in Europe	Present results	Commercial publications Open source conferences Newspapers
End-users, networks and associations, and EU agencies	Raise awareness Invite to collaborate	EU dissemination events Open source conferences Project events Public reports Website Blog
COGNIT partners	Raise awareness Present results	Internal webinars Project events Direct communication Website
General public and the media	Raise awareness	Press releases Newspapers Screencasts

Table 2.1. Main objectives and dissemination channels per target audience.

2.3. Key Objectives

The main communication and dissemination objectives of the Project are:

- Ensure broad visibility and raise awareness about COGNIT, spreading knowledge about its results. The main idea is to establish a distinctive, recognisable, and long-standing identity which can work as a bedrock for the software prototypes launched during the Project.

- Reach, stimulate, and engage a critical mass of relevant stakeholders to consolidate an ecosystem of technological partners, research partners, cloud/edge providers, external developers and beta-testers, and other parties; and to ensure that the results of the Project are well-known and taken up, especially by companies in the targeted strategic key sectors.

- Facilitate exploitation of the Project's data and research outcomes by partners, and promote the development of innovative solutions based on the new technologies.

Based on the above key objectives we have identified key messages based on the main stakeholders and target audiences of the Project: academia, industry, governmental organisations, and the general public.

- Main message for Industry:
    - Innovative: It incorporates a new FaaS model and AI-enabled techniques for optimal large-scale cloud-to-edge orchestration.
    - European: It combines and extends some of the most innovative and iconic open source cloud and edge technologies in Europe.
    - Vendor-Neutral: It brings interoperability and portability to avoid vendor lock-in and increase the bargaining power of customers.
- Main message for Academia:
    - Open to collaboration, solution integrations, and contributions.
    - The enabling platform for advancing research in ICT and other application domains that can be benefited from edge computing facilities and solutions.
- Main Message for Government:
    - Enable a more vendor-neutral market, avoiding the dominance of non-EU providers.
    - Promote competitiveness and bring new business opportunities for EU companies.
- Main message for the General Public:
    - The enabling platform for key societal applications, building sustainable environments, and consolidating the EU's data sovereignty.

3. Communication and Dissemination Tools

3.1. Visual identity

Logo

An attractive design that emphasises the Project's connection with Europe's "Cognitive Cloud", the specific topic in Horizon Europe (Cluster 4) that funds this action:

Figure 3.1. Set of COGNIT official logos.

Presentation template

A simple model for all partners to share their contents about COGNIT in a consistent way, while helping to consolidate the Project's identity across the EU innovation ecosystem:

Figure 3.2. Cover of the COGNIT presentation template.

Acknowledgment slide

All presentations by the COGNIT partners include a standard acknowledgement of the role that the European Union's Horizon Europe programme plays as the Project's funding body:

Figure 3.3. COGNIT's standard acknowledgement slide.

3.2. Project website

The [COGNIT website](#)—based on a WordPress instance managed by OpenNebula—is the main interface that connects the Project to its audiences. It is a capital tool for sharing the Project's objectives, purpose, and outcomes. The website also helps to raise awareness about the concept of "Cognitive Cloud", the role of Artificial Intelligence in Europe's emerging cloud-edge computing, and the benefits of using European open source technologies for consolidating the EU's digital sovereignty:The COGNIT website, hosted on a WordPress instance managed by OpenNebula, serves as the primary interface connecting the Project with its audiences. It is an indispensable resource for communicating the Project's objectives, purpose, and outcomes (refer to Deliverable D1.1 for further details). Furthermore, the website contributes to raising awareness regarding the concept of the "Cognitive Cloud," the function of Artificial Intelligence within Europe's evolving cloud-edge computing landscape, and the advantages of utilising European open-source technologies to reinforce the EU's digital sovereignty.

Figure 3.4. Current homepage of COGNIT.SovereignEdge.EU

The project website contains information and multiple online resources that are publicly available to all visitors, including:

- General information about the COGNIT Project.

- A comprehensive list of Consortium partners.

- References to the validation use cases and their leaders.

- Access to the Project's public deliverables.

- Access to the Project's blog (which was officially launched in M5). Version 2.0 27 February

- Videos about the COGNIT Project and its use cases

- Instructions about how to try COGNIT by using the technical resources and step-by-step documentation available through our GitHub repository.

- Section for the Project's Ambassadors.

- A number of relevant links to Zenodo, GitHub, Vimeo, press releases, etc.

Figure 3.5. New section with expanded information about the Consortium.

Since March 2023, the project website uses Matomo, a GDPR-compliant open source web analytics application that has been integrated with our Wordpress instance to easily track online visits and obtain reports for analysis:
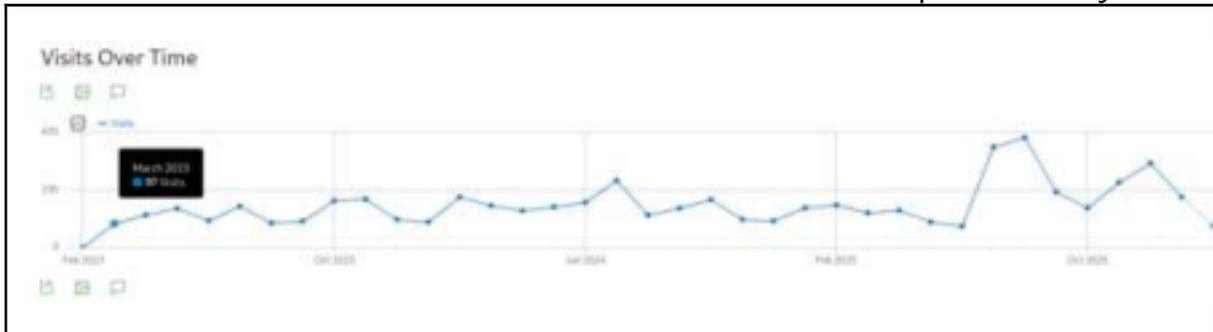
Figure 3.6. Visits to the COGNIT's project website during the reporting period (via Matomo).

Figure 3.7. Main metrics for the COGNIT's project website for the reporting period, compared with the previous reporting period finishing in M6 (via Matomo).

Figure 3.8. Origin of visits to the project website during the reporting period (via Matomo).

3.3. Promotional materials

In line with the Project's identity brand, additional materials have been designed and produced in order to support the Project's communication tasks.

Banner

A generic promotional banner has been created for social media and presentations in order to provide some basic information about the Project and its Consortium:

Figure 3.9. COGNIT promotional banner.

Merchandising

Along with the Project's standard leaflet, a number of additional promotion items have been created for promoting the Project in technology events and open source conferences, including stickers, ballpens, sticky notes, and t-shirts.
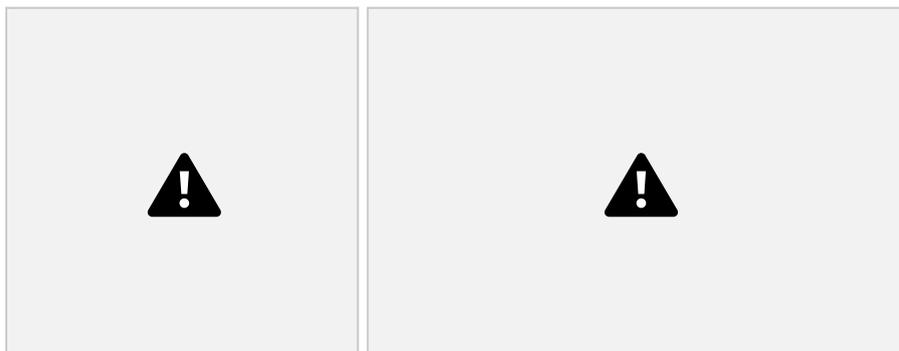

Figure 3.10. The COGNIT sticker in action.

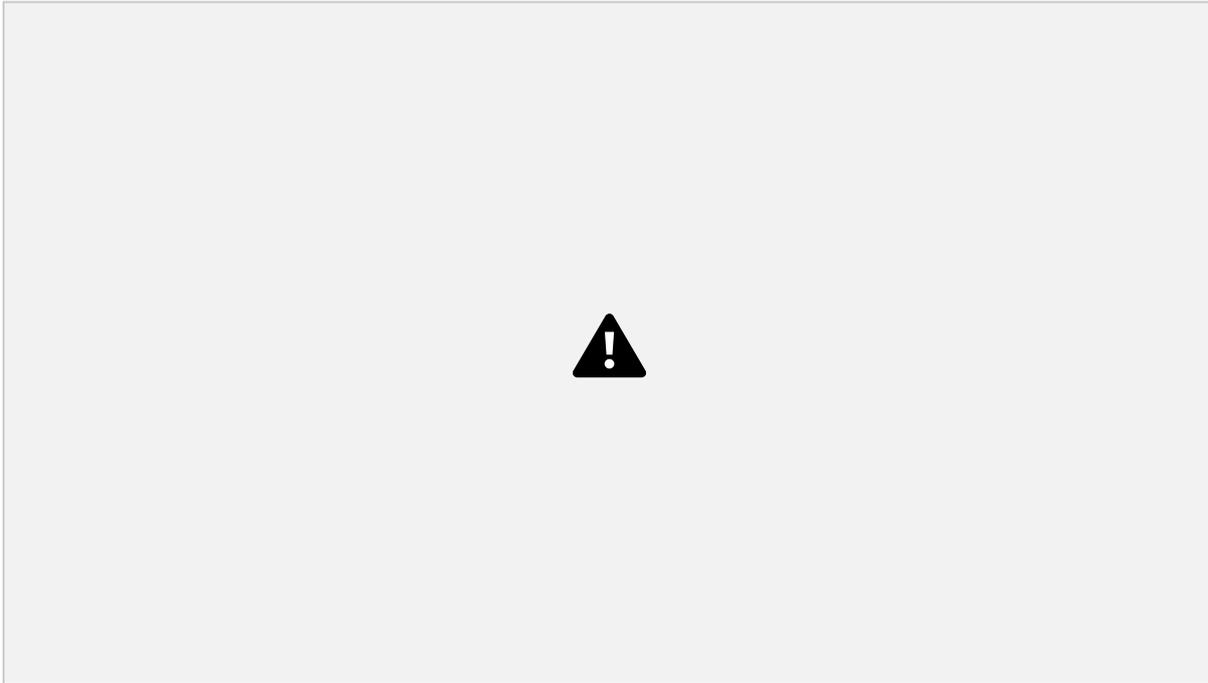**Videos**

COGNIT has created an account on VIMEO to help disseminate the promotional videos to be created during the execution of the Project. Some of the videos produced: ● COGNIT Kick Off Meeting (January 2023)

● Thank you for visiting our booth at Cloud Expo Europe Madrid! (October 2023) ● [DEMO] Energy Efficiency Optimisation for Cloud-Edge Orchestration (October

2023)
- [DEMO] Deploying the COGNIT Platform (June 2024)
- EU Energy Projects Podcast: Revolutionising Edge Computing - Insights from Project Cognit (ENLIT, released December 2024)
- The COGNIT Project: Building an AI-enabled Cognitive Cloud based on OpenNebula (released August 2024)

Figure 3.11. Vimeo profile, showing two of the new videos produced during the reporting period.

Flyer

A generic promotional flyer has been created for providing basic information about the Project (including Consortium
partners, validation use cases, and the standard acknowledgement to HE) in relevant tech & open source events.

This flyer has been used from the very beginning (starting in early February 2023
at FOSDEM -Brussels) to raise awareness
about COGNIT among the European open source community participating in this

major event.

Roll-up

COGNIT has also created a generic promotional roll-up that provides basic information about the Project and can be brought to events and relevant occasions in which a large-format, physical display is required. This design has been used from the very beginning of the project to raise awareness about COGNIT in different events such as

FOSDEM 2023 (Brussels) and the Concertation & Consultation Meeting on Computing Continuum (Brussels) organised by the EUCloudEdgeIoT CSA in May 2023.
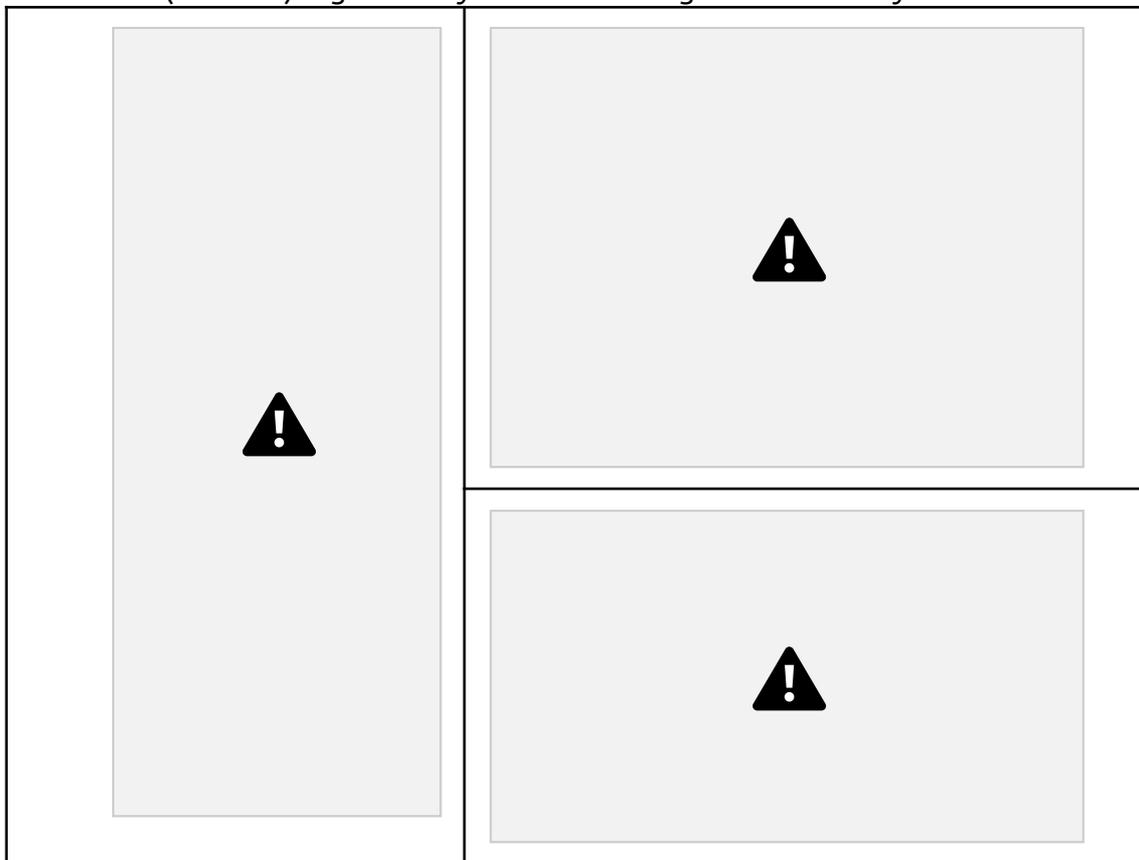
Figure 3.13. COGNIT roll-up on display at FOSDEM 2023 [top] and at the CSA event [bottom].

3.4. Social media

Social media platforms (i.e. LinkedIn and X) have been used by COGNIT as an instrument to raise awareness about the Project and the Cognitive Cloud topic, and to communicate specific messages to the Project's target audiences:

- LinkedIn is a more business-oriented network where we can engage with specific profiles and industry/innovation organisations in order to share information—following a more formal approach—about scientific publications, deliverables, project results, and main achievements of the Consortium.

- **Twitter** is the channel that we use to create awareness among the tech community and the general public, using a less formal approach to share information about publications, events, project results, and news about relevant topics such as the use of Artificial Intelligence in cloud-edge environments.

In both cases, posts generated by the Project are consistently using the unique hashtag **#COGNITproject** in order to help partners identify contents that they should try to promote through their own corporate social media accounts (e.g. by using the standard *like*, *share*, *comment* options) in order to maximise impact and attract additional followers.
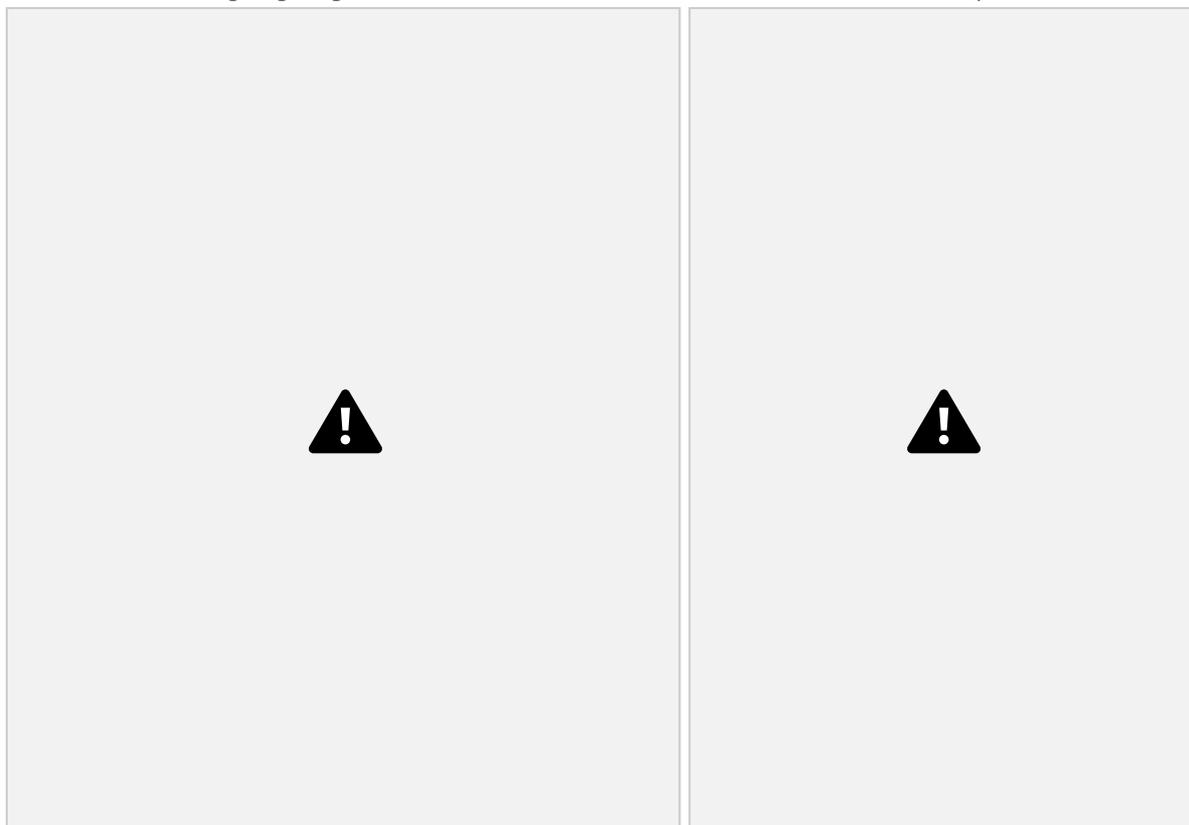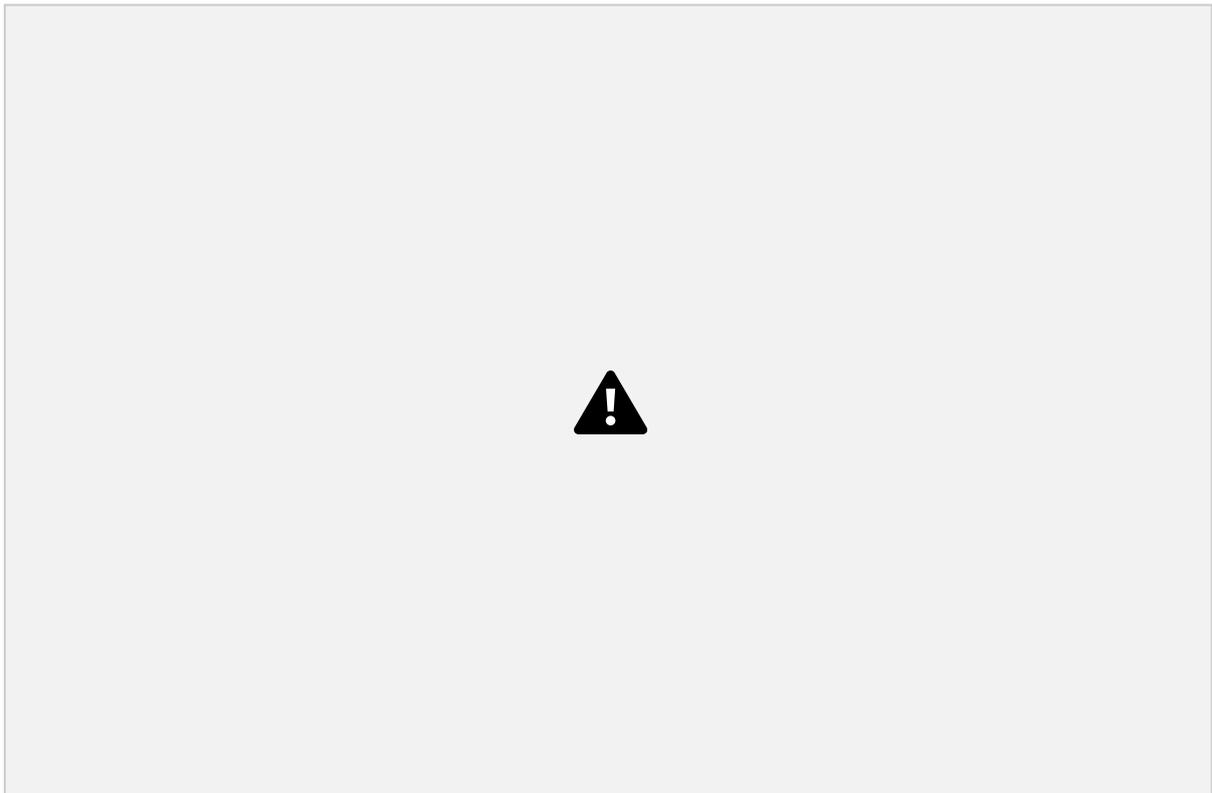
Figure 3.14. COGNIT presence in social media platforms.

The number of followers of these accounts have seen this evolution during the reporting period:

Platform	M6	M18	M36
LinkedIn	159	334	624
Twitter	113	147	167

3.5 Booths

The designs of the booths were based on the COGNIT trademark graphics. Here as an example we provide two of the designs:

Figure 3.15. Design of the COGNIT booth at the Linux Foundation Open Source Summit 2025.

4. Communication and Dissemination Actions

This section provides the Project's plan of communication and dissemination actions. Here we describe the different types of actions for each type of audience (as described in Section 2).

4.1. Publications

The COGNIT Project plans to publish its progress and results in three different ways based on the following target audiences and goals:

Industry

Planned industrial and open source publications actions:

- Commercial publications in online magazines and blogs.
- Publication of Report and Software prototypes under an open source licence in a public repository (i.e. GitHub).

Scientific Community

The COGNIT Project has planned and published papers in relevant scientific journals in

cloud and edge computing fields. Examples of such journals are the IEEE Transactions on Cloud Computing, Journal of Grid Computing, Journal of Cloud Computing.

General Public

The aim is to communicate high level benefits of the Project to the general public and decision-makers. For the dissemination of the Project's achievements to the general public, the following actions will be executed:

- Publication of press releases for the project and each of the use cases.
- Publications in newspapers.
- Publication of screencasts and videos on the project website.
- Promotion through social media.

4.2. Conferences, workshops, exhibitions and other events

This subsection provides the policy and targets of the Project concerning the participation in scientific conferences, organisation of workshops, and participation in commercial and open source exhibitions.

Scientific conferences and workshops

The COGNIT Project aimed at participating in many and diverse scientific conferences and events in order to communicate research-specific techniques and methods for the new distributed FaaS model, explain how COGNIT achieves the secure, portable, and self-adaptive execution of serverless functions, and share the benefits of the automatic and intelligent adaptation of the cloud-edge continuum.

To this aim, the project organised research workshops in relevant scientific conferences on cloud and edge computing.

Additionally, the Project undertook presentations in scientific conferences on cloud and Edge Computing, or featuring special tracks.

Commercial and Open Source events

The COGNIT Project planned to disseminate and communicate its architecture design, the new distributed FaaS model and open source software for the automatic and intelligent cloud-edge adaptation in key application domains to corporate users and infrastructure and solution providers.

Dissemination actions have targeted commercial and open source events, trade shows and exhibitions. These have included:

- Presentations in open source conferences like FOSDEM.
- Exhibition booths and presentations with demonstrators from use cases in relevant cloud and edge industry forums like Cloud Expo.
- Exhibition booths in relevant open source conferences like Linux Foundation Open Source Summit.
- Organisation of Webinars and TechDays training sessions.

- Organisation of Technical Workshops on relevant cloud or edge events with users

of edge and cloud technologies.

- Organisation of 2 project events in M18 and M36.
- Promotion through social media.

4.3. EU Innovation Ecosystem

The COGNIT Project closely followed and collaborated with EU funded projects and initiatives involved in the domain of IoT and cloud/edge computing, and participated in relevant EU-backed events and summits. The most relevant examples follow:

- The Coordination and Support Action project EUCloudEdgeIoT is an initiative that aims to develop communication and collaboration channels between a wide range of research projects, developers, suppliers, business users and other stakeholders of technologies around the cloud-edge continuum.

Figure 4.1. EUCloudEdgeIoT ecosystem of EU-funded projects.

- NexusForum.EU aims to convene experts in Artificial Intelligence, cloud and edge technologies, sustainable innovation, and digital sovereignty to establish a singular forum for investigating high-impact collaborations spanning the European research and industry ecosystems—ranging from shared technology platforms to policy frameworks and investment strategies. It offers concrete partnership opportunities, actionable insights, and a shared innovation roadmap for advancing Europe's values-driven technological leadership in Artificial Intelligence along the whole HPC-Cloud-Edge-IoT Continuum.

- European Digital Innovation Hubs (EDIHs) are one-stop centres supporting EU companies and public sector organisations to respond to digital challenges and become more competitive. EDIHs are typically specialising in a specific application domain and targeting regional companies of that specific domain. The COGNIT Project, in collaboration with EDIHs, could provide awareness and expertise to companies of application domains where IoT and cloud/edge technologies can be very beneficial.

5. Monitoring and Evaluation

The process of monitoring and evaluating the Communication & Dissemination actions the Project carried out was performed by:

1. Regularly collecting data about those communication and dissemination actions.

2. Analysing them against the established KPIs to identify shortcomings, bottlenecks, deviations, and other possible challenges.

3. Clearly reporting them to the EC in order to demonstrate the Project's progress.

4. Providing feedback to make the necessary adjustments and continuously improving the performance and communication/dissemination results.

The table below presents the Project's dissemination and communication KPIs that are defined in the Grant Agreement and are being be used for evaluating the Project's communication and dissemination progress:

KPI #	Communication / Dissemination action	Audience	Target	Due Date	Description
KPI6.1	Champion Programme	Industry / Open Source	1	M18	Leveraging OpenNebula and SUSE's existing communities.
KPI6.2	Participation in communities: Linux Foundation, CNCF, and LF Edge	Industry / Open Source	3	M18	Targeting global open source communities.
KPI6.3	Participation in EU initiatives: GAIA-X, EOSC, IPCEI-CIS, and EU Cloud Alliance	Industry	4	M36	Targeting pan-European industry ecosystems.
KPI6.4 a	Exhibition booths in relevant open source conferences	Industry / Open Source	3	M36	E.g. ETSI, OpenFog, OpenNebula, OSCON, LF Open Source Summit, and FOSDEM.
KPI6.4 b	Exhibition booths in relevant cloud & edge industry forums	Industry	3	M36	E.g. VMworld, AWS re:Invent, Cloud Expo, IoT Tech Expo, and the Gaia-X Summit.
KPI6.4 c	Presentations in open source conferences	Industry / Open Source	6	M36	E.g. ETSI, OpenFog, OpenNebula, OSCON, LF Open Source Summit, and FOSDEM.
KPI6.4 d	Presentations with demonstrators from use cases in relevant cloud & edge industry forums	Industry	6	M36	E.g. VMworld, AWS re:Invent, Cloud Expo, IoT Tech Expo, and the Gaia-X Summit.
KPI6.4 e	Technical workshops in relevant open source conferences and industry forums	Industry / Open Source	3	M36	Offering first-hand access to the new developments.
KPI6.4 f	Webinars and Techdays	Industry	9	M36	Public training sessions.
KPI6.4 g	Project events	Industry	2		5 Reaching to the EU ecosystem.
KPI6.5 a	Papers published in relevant scientific journals	Academia	9	M36	E.g. IEEE Transactions on Cloud Computing, Journal of Grid Computing, Journal of Cloud Computing.

KPI #	Communication / Dissemination action	Audience	Target	Due Date	Description
KPI6.5 b	Presentations or special tracks in relevant scientific conferences	Academia	6	M36	E.g. IEEE IC on Fog & Edge Computing, IEEE Cloud Summit, ACM/IEEE Symposium on Edge Computing.
KPI6.5 c	Research workshops in relevant scientific conferences.	Academia	3	M36	E.g. IEEE IC on Fog & Edge Computing, IEEE Cloud Summit, ACM/IEEE Symposium on Edge Computing.

KPI #	Communication / Dissemination action	Audience	Target	Due Date	Description
KPI6.6 a	Commercial publications in online magazines and blogs	Industry	9	M36	About COGNIT and its pilot application in specific domains.
KPI6.6 b	Press releases	General Public	6	M36	Main achievements of COGNIT.
KPI6.6 c	Publications in newspapers	General Public	6	M36	High level benefits of COGNIT.

Table 5.1. Full list of Communication & Dissemination KPIs of the Project.

PART II. Communication and Dissemination Report

6. Communication and Dissemination Progress
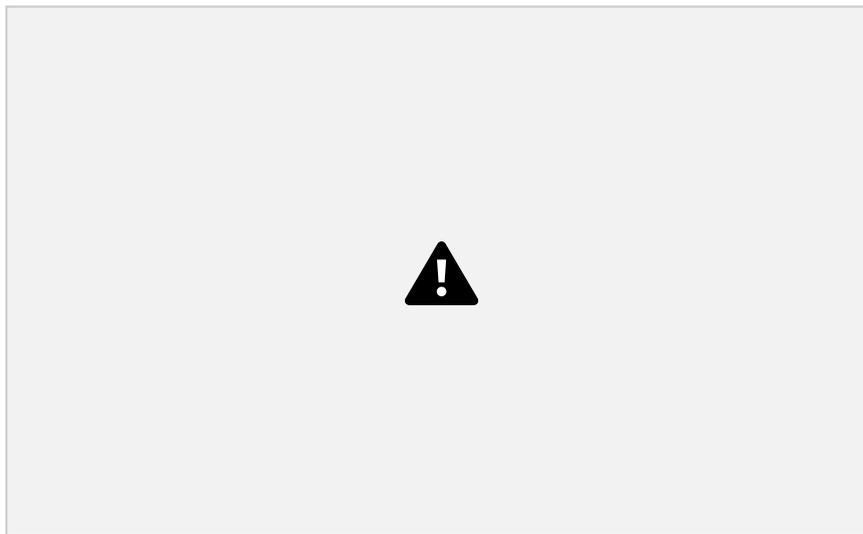
6.1. Blog Posts and Corporate news posts

The Community Blog was launched in M5 and hosts publications related to the Project. Details follow below.

Impact of blog posts [M1-M36]

Published posts 8
Views 413
Geographic distribution ● Europe: 76,5% ● USA: 7,5% ● Others: 16%

Presenting COGNIT at the Concertation & Consultation Event on Computing Continuum (Brussels)
Link https://cognit.sovereignedge.eu/blog/presenting-cognit-at-the-eucloudedgeiot-event-brussels/
Date May 26, 2023
Author ● Thomas Ohlson Timoudas (WP5 Leader @ COGNIT | Researcher @ RISE)

Aim This blog post offers an overview of the Concertation & Consultation Event on Computing Continuum organised by the EUCloudEdgeIoT CSA in Brussels, and summarises the role that the COGNIT Project played in that meeting.

European project COGNIT releases the Architecture of its AI-enabled Serverless Framework for the Cloud-Edge Continuum

Link https://cognit.sovereignedge.eu/blog/european-project-cognit-releases-the-a
rchitecture-of-its-ai-enabled-serverless-framework-for-the-cloud-edge-cont
in uum

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Date June 27, 2023

Author ● Shivang Kapoor (Communication Officer @ COGNIT | Digital Marketing
Specialist @ OpenNebula)

Aim This blog post reproduces the contents of the Project's first Press Release.

Post-doctoral positions (2 years) in Cloud-Edge Computing

Link https://cognit.sovereignedge.eu/blog/post-doctoral-positions-in-cloud-edge
computing

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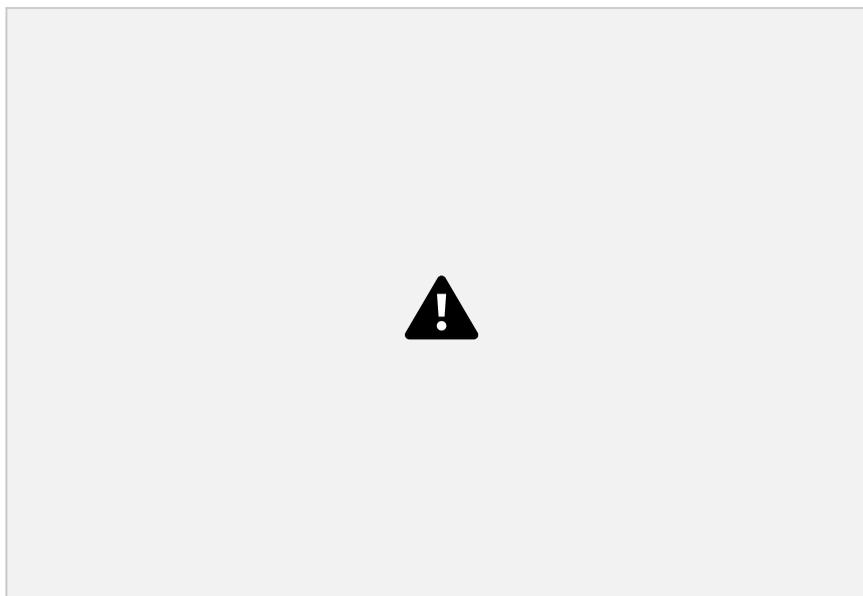
Date July 26, 2023

Author ● Paul Townend (Scientific Coordinator @ COGNIT | Associate Professor @ Umeå University)
Aim This blog post is intended to promote two new post-doctoral positions available at Umeå University related to the COGNIT Project.

Post-Event Wrap Up: COGNIT Day 2024
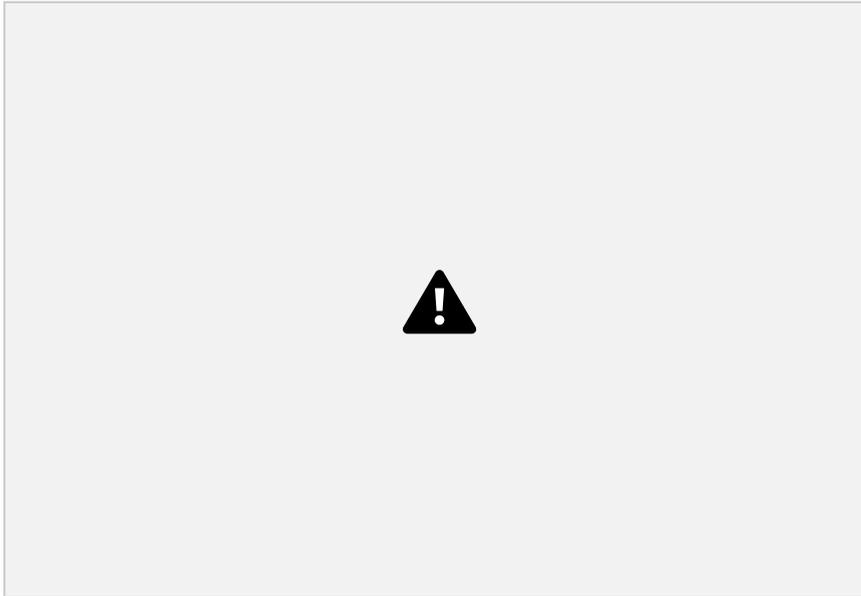
Link https://cognit.sovereignedge.eu/blog/post-event-wrap-up-cognit-day-2024
Date June 28, 2024
Author ● Alberto P. Martí (Project Coordinator @ COGNIT | VP of Open Source Innovation @ OpenNebula Systems)
Aim This blog post summarises the main contents of the COGNIT Day 2024, a Project event that took place on June 27 as part of the OpenNebulaCon2024.

Post-Event Wrap Up: COGNIT at the Linux Foundation Open Source Summit Europe

Link https://cognit.sovereignedge.eu/blog/post-event-wrap-up-cognit-at-the-linux-foundation-open-source-summit-europe/
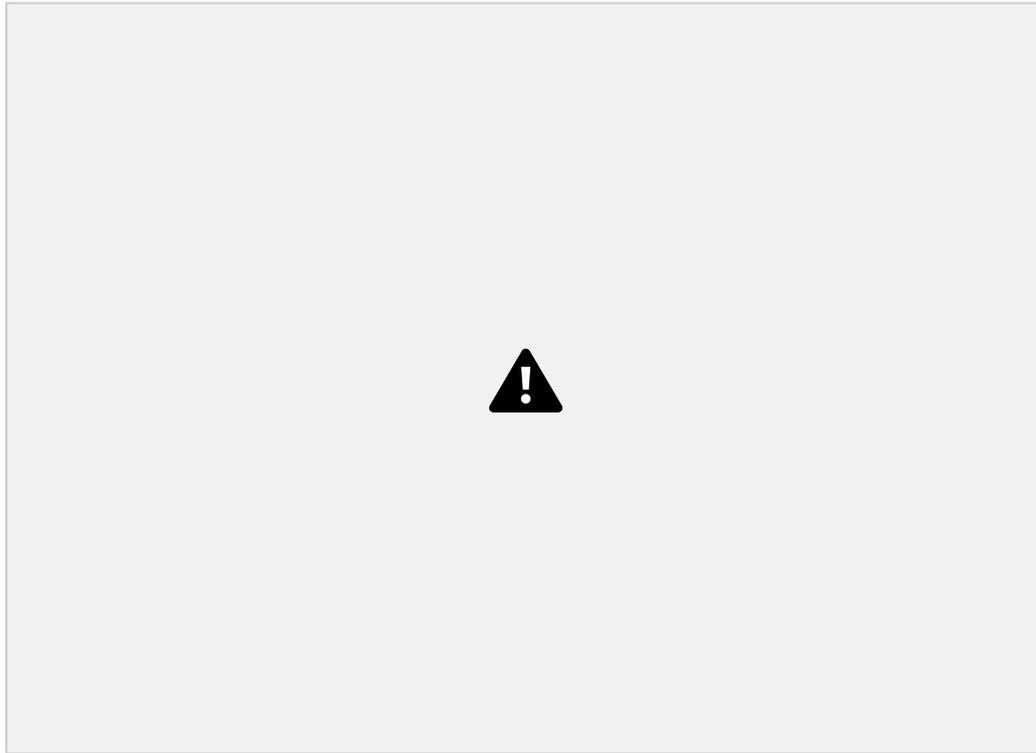
Date November 26, 2025

Author ● Nikolaos Matskanis (WP 6 Leader @ COGNIT | Senior Project Manager @ CETIC

Aim This blog post summarises the activities and impressions of the COGNIT team attending the booth and demonstrating the project at the Linux Foundation Open Source Summit Europe 2025, an event that took place on August 25-27 in Amsterdam, Netherlands.

COGNIT Project Enters Final Phase: A Productive GA in Nuremberg

|	
Link	https://cognit.sovereignedge.eu/blog/cognit-project-enters-final-phase-a-productive-ga-in-nuremberg/

Date	November 26, 2025
Author	Torsten Hallmann (Partner @ COGNIT | Consultant for innovation and OpenSource @ SUSE)
Aim	This blog post summarises the results of the final key project meeting while entering the final phase of the project that took place at SUSE premises on September 10-11 in Nuremberg, Germany.

Post-Event Wrap-Up COGNIT at the Open Source Experience Paris 2025

Link https://cognit.sovereignedge.eu/blog/post-event-wrap-up-cognit-at-the-open-source-experience-paris-2025/
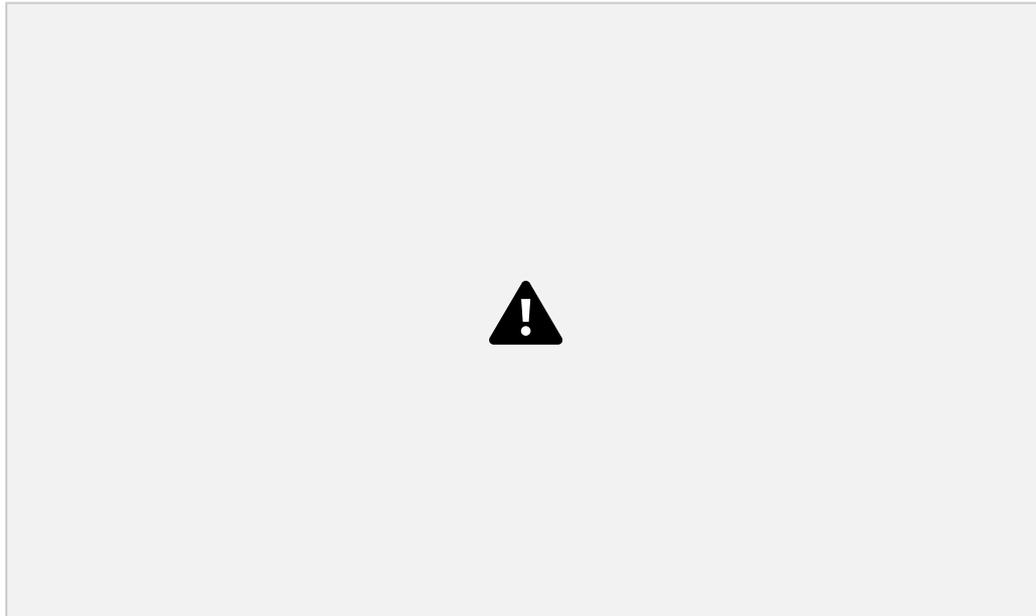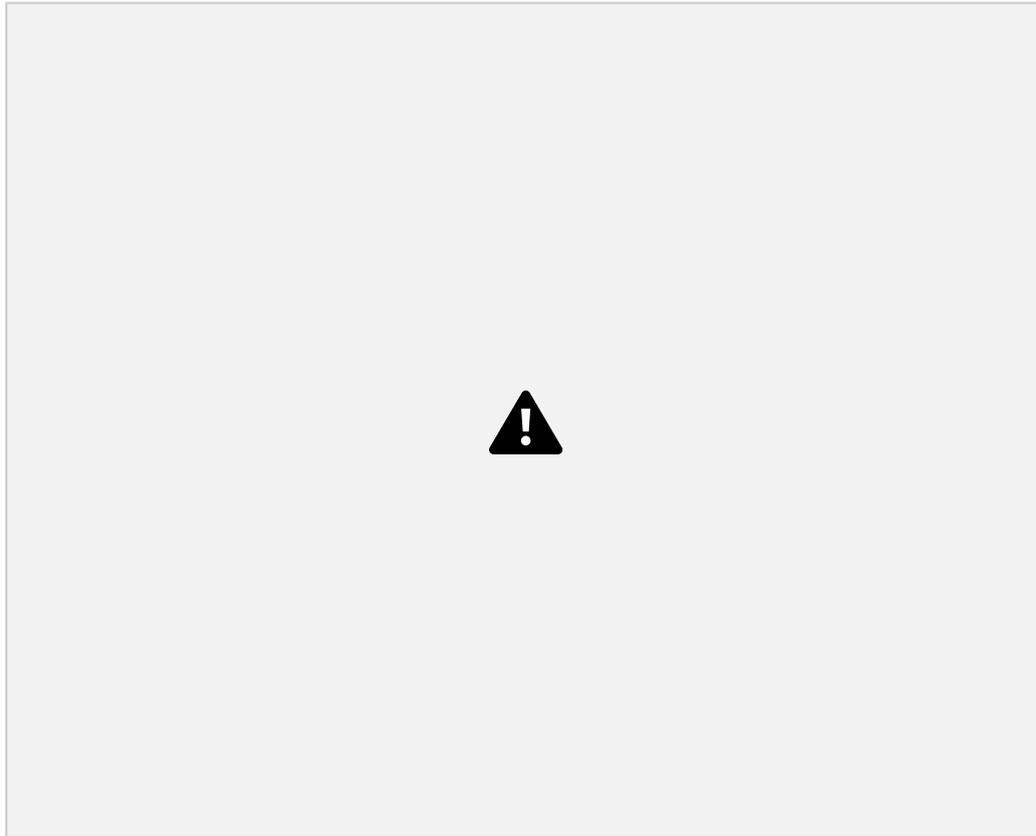

Date December 25, 2025

Author Nikolaos Matskanis (Senior Project Manager @ CETIC)

Aim This blog post summarizes the participation of COGNIT at the Open Source Experience Paris on 10th and 11th December 2025.

Post-Event & Project Wrap-Up: COGNIT Day 2025

Link https://cognit.sovereignedge.eu/blog/post-event-project-wrap-up-cognit-day 2025/

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Date December 28, 2025	
Author Francisco Picolini (Open Source Community Manager @ OpenNebula Systems)	
Aim This post presents the highlights of the COGNIT Day 2025, which is the final event of the project that presents final outcomes and demos, in combination with lively discussion panels and insightful keynotes.	

A sample of corporate news follows:

SovereignEdgeEU/Cognit: The creation of a Cognitive Serverless Framework for the Cloud-Edge Continuum

Link https://www.acisa.es/innovacion/proyecto-sovereign-edge-eu-cognit/

Date February 2, 2023

Author Daniel Sánchez (Marketing manager @ ACISA)

Aim This blog post presents the concept of Edge computing with regard to the SovereignEdgeEU/Cognit project, and how ACISA is leveraging it for the traffic management systems.

Acisa presenta soluciones de movilidad conectada en ITS World Congress

Link https://www.acisa.es/actualidad/soluciones-movilidad-conectada/

Date September 27, 2024
Author Daniel Sánchez (Marketing manager @ ACISA)
Aim This blog post summarises the presentation of ACISA in the ITS World Congress about how ACISA uses the Edge Computing resources and the Serverless framework to improve the Traffic Management Systems.

With a very productive kick-off meeting in Brussels, we are very happy to have initiated the SovereignEdgeEU/COGNIT Project

Link	https://www.acisa.es/en/news/initiation-of-the-sovereignedgeeu-cognit-the-creation-of-a-cognitive-serverless-framework-for-the-cloud-edge-continuum/
Date January 31, 2023	
Author Daniel Sánchez (Marketing manager @ ACISA)	
Aim This blog post announces the kick-off meeting for the initiation of the SovereignEdgeEU/Cognit project.	

Post Event Wrap-up: FOSDEM 2024

Link https://opennebula.io/blog/events/post-event-wrap-up-fosdem-2024/

Date February 9, 2024

Author Francisco Picolini (Open Source Innovation Manager @ OpenNebula Systems

Aim Summarize the participation of OpenNebula Systems at FOSDEM, with special mention to the presentation of the AIOps Framework, based on some R&D activities carried out under the project.

Tech Day Bilbao: Advancing AI with Cloud and Empowering Cloud with AI

Link https://opennebula.io/blog/events/techday-bilbao-2025/
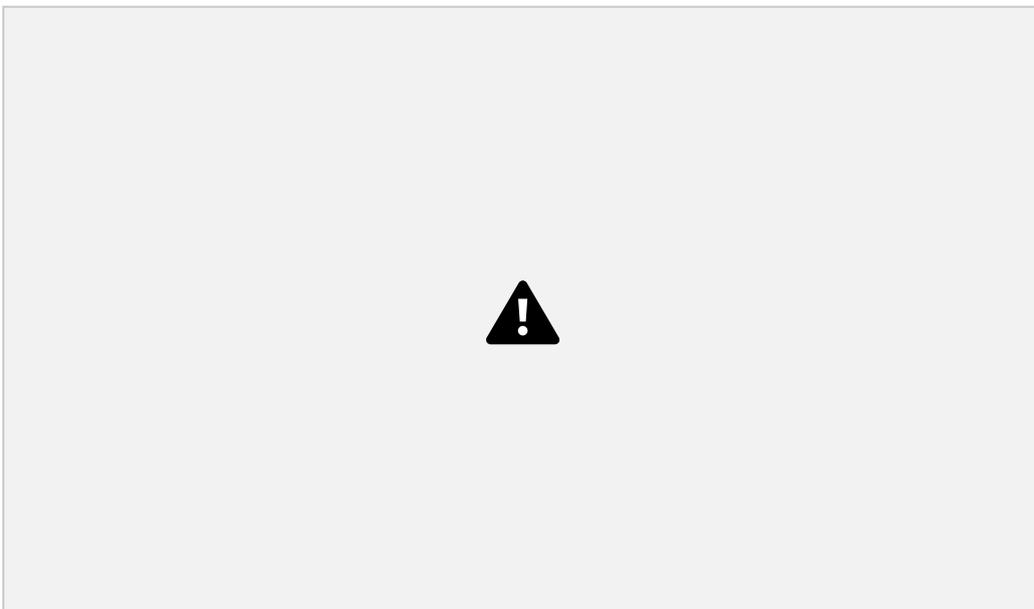
Date March 19, 2025	
Author Jordi Guijarro (Principal Cloud-Edge Ecosystem Manager @ OpenNebula Systems)	
Aim Recap of the Tech day in Bilbao organized under the project	

6.2. Exhibition Booths

It is crucial for us to be able to position the COGNIT Project as a major player in the European research and innovation ecosystem, and also to create awareness among scientific and industry audiences, especially in connection with European open source technologies. That is the reason why we keep participating in physical events:

Aggregated Impact [M1-M36]

Number of booths 4	
Estimated audience	
● FOSDEM 2023 8,000	
● Cloud Expo Europe Madrid 2023 8,000	
● Intertraffic Amsterdam 2024 30,000	
● Linux Foundation Open Source Experience Europe 2025 4,000	
● Open Source Experience Europe 2025 4,000	

FOSDEM 2023

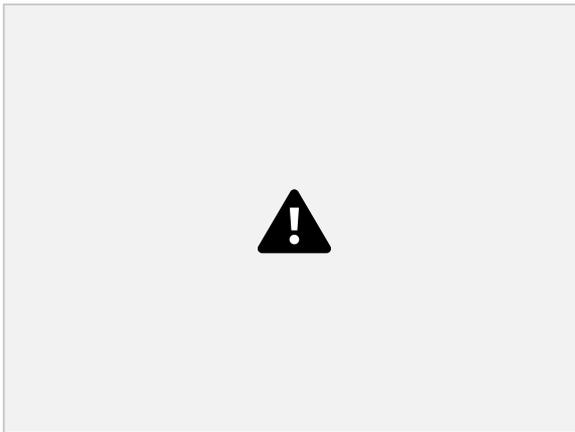| |
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| Website https://archive.fosdem.org/2023/ |

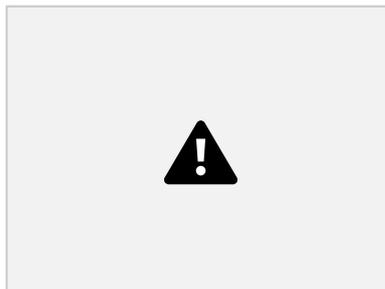| |
|---|
| Date February 4 & 5, 2023 |
| Location Brussels (Belgium) |
| Description FOSDEM is a free event for software developers to meet, share ideas and collaborate. Every year, thousands of developers of free and open source software from all over the world gather at the event in Brussels. |

Cloud Expo Europe Madrid 2023

Website https://www.cloudexpoeurope.es
Date October 16–17, 2023
Location Madrid (Spain)

Description Cloud Expo Europe Spain is a specialised trade fair and conference deeply engaged with the latest developments and innovations in the realm of cloud technology. This annual event is held at the prestigious IFEMA (Feria de Madrid), an iconic venue in the vibrant Spanish capital.

Partners ● **OpenNebula Systems**
- Ikerlan
- SUSE
- ACISA

Aim The main objective was to raise awareness about the Cognitive Cloud topic in the Horizon Europe programme, introduce COGNIT to the European cloud industry, and present the experiences and research conducted by several of the partners in the Consortium. The COGNIT booth hosted presentations about the Project's architecture and main components, as well as on some of its Use Cases.

Intertraffic Amsterdam 2024

Website https://www.intertraffic.com/amsterdam
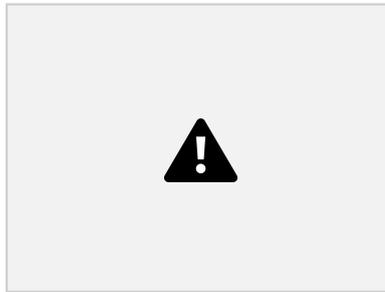
Date April 16–19, 2024

Location Amsterdam (Netherlands)

Description Intertraffic connects mobility and traffic technology professionals on a global scale. All its initiatives are focussed on enhancing expertise and network expansion, creating and facilitating B2B and B2G engagement enabling innovation, business and sharing of solutions.

Partners ● **ACISA**
● Ikerlan
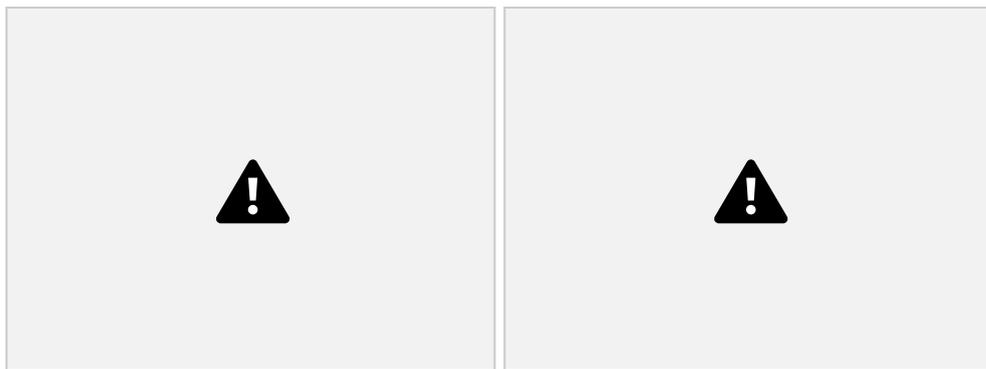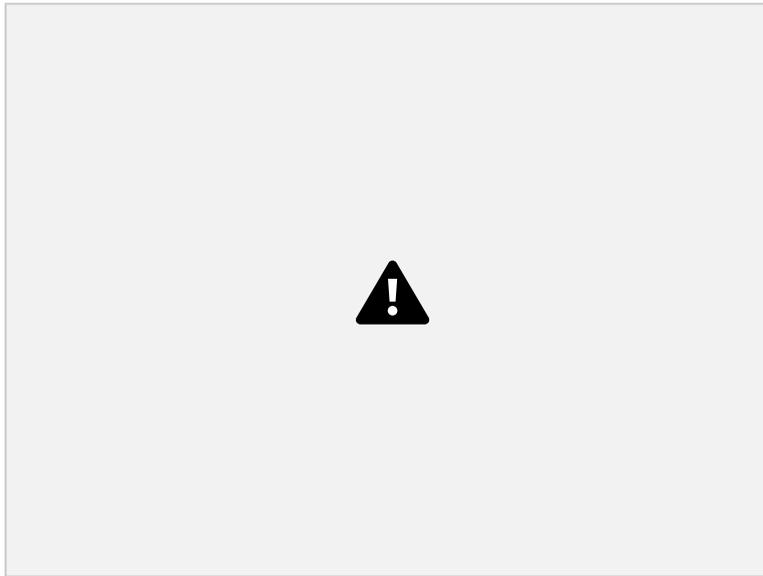
Aim The main objective was to raise awareness about the COGNIT Project among the European industrial ecosystem involved in the Mobility sector, and to present some of the main novelties that the Smart Cities Use Case will bring in urban contexts in terms of speeding up the adoption of the cloud-edge computing paradigm in urban environments with a diversity of IoT devices involved in traffic control and requiring additional
computational resource on-demand.

[Booth] *ENLIT Conference 2024*

Website https://www.enlit.world/library/project-cognit-optimising-energy-use-at-the-edge

| |
|---|
| Date October 22–24, 2024 |
| Location Milan (Italy) |
| Description Enlit is a major global energy community and event series (like Enlit Europe, Asia, Africa) focused on the energy transition, connecting all players from generation to consumer to drive innovation in decarbonized, digitalized energy systems through conferences, digital platforms, and networking. It provides a year-round platform for experts, utilities, startups, and end-users to collaborate on issues like renewables, smart grids, storage, policy, and digital solutions. |
| Aim To showcase the advancements that COGNIT project brings to the Energy sector. |

Linux Foundation Open Source Summit Europe 2025
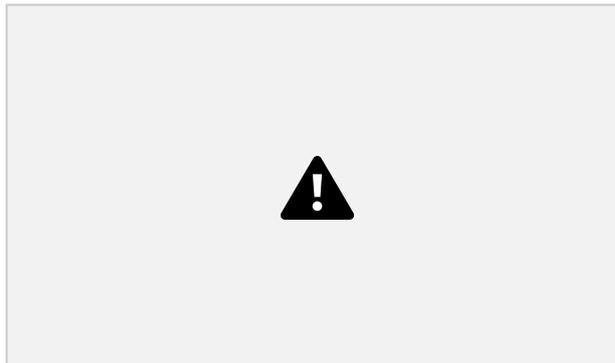
Website https://events.linuxfoundation.org/archive/2025/open-source-summit-europe/
Date August 25–27, 2025
Location Amsterdam (the Netherlands)

Description Open Source Summit is a conference and open source fair event for open source developers, technologists, and community leaders to collaborate, share information, solve problems, and gain knowledge. It's an annual event that serves as a gathering place for open source code and
community contributors.
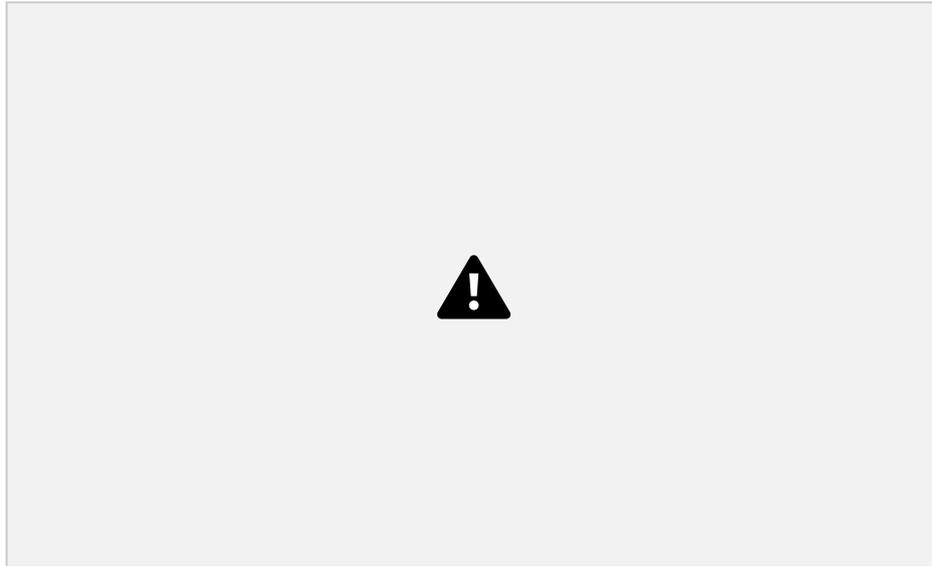
Partners ● OpenNebula Systems
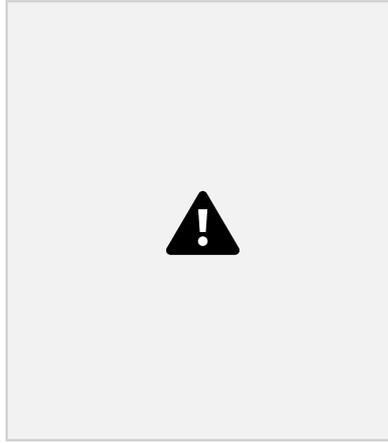● ACISA
● Nature 4.0
● Phoenix
● SUSE
● CETIC

Aim The main objective was to raise awareness about the COGNIT project and the 4 use cases. Present the project's results. Additionally we aimed at getting in touch with the open source community members in order to attract their attention for exchanging of ideas, future collaborations and even possibly code contributions.
The COGNIT booth hosted presentations and 5 video demos. One was about the Project's architecture and main components and each of the 4 use cases had a video explaining how it is leveraging the COGNIT framework. Some use cases also had physical devices on display.
The booth attracted a lot of interest and we have collected **87** leads.

Open Source Experience 2025

Website https://www.opensource-experience.com/

Date December 10–11, 2025

Location Paris (France)

Description Open Source Experience is a conference and an open source fair event dedicated to Open Source IT solutions, bringing together over 4,000 professionals and players in the digital sector over 2 days! Open Source Experience focuses on open source technologies, solutions and
challenges in France and Europe.
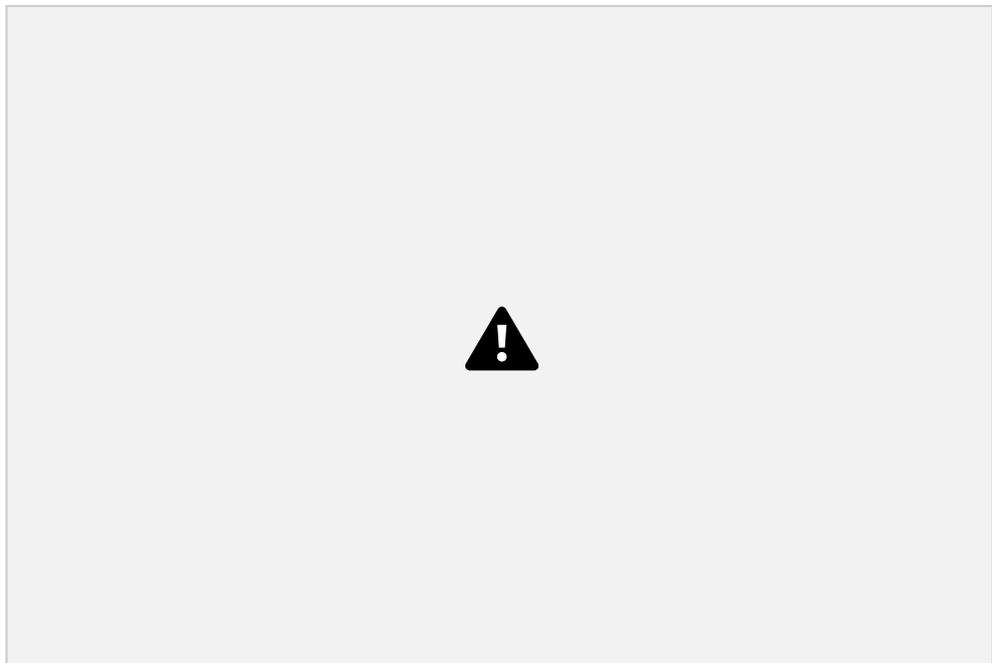
Partners ● OpenNebula Systems
   ● ACISA
   ● Nature 4.0
   ● Phoenix
   ● SUSE
   ● CETIC

> Aim The main objective was to raise awareness about the COGNIT project and the 4 use cases. Present the project's final results. Additionally we aimed at getting in touch with the open source community members in order to attract their attention for exchanging of ideas, future collaborations and
>
> even possibly code contributions.
> The COGNIT booth hosted presentations and 5 video demos which were updated to showcase the project's latest results. One video was about the Project's architecture and main components and each of the 4 use cases had a video explaining how it is leveraging the COGNIT framework. Some use cases also had physical devices on display.
> The booth attracted a lot of attention and we have collected **66** leads.

6.3. Presentations & Panels

As mentioned in the previous subsection, we are prioritising participation in events as one of the best ways to communicate the goals and outcomes of the Project. We have been delivering presentations about COGNIT since M2:

Aggregated Impact [M1-M36]

Number of events:	40
Estimated audience:	
FOSDEM 2023 8,000	
Mondragón IoT Session 50	
Data Spaces Symposium 700	
EUCloudEdgeIoT Event 100	
VIII PTPiREE Conference 80	
Data Week 2023 200	
OpenNebulaCon2023 750	
Linux Foundation Europe Member Summit 2023 1,500	
Linux Foundation Open Source Summit Europe 2023 100	
NexusForum2023 Summit 100	
eSAAM on Cloud-Edge Continuum @ EclipseCon 2023 450	
CODECO Workshop @ HiPEAC 2024 600	
FOSDEM 2024 8,000	
SGTech Week 2024 500	

EuCNC & 6G Summit 2024 900
OpenContinuum Final Conference 100
openSUSE Conference 2024 250
CISOSE 2024 100
Enlit Europe 2024 100
AIOTI Anual Event 2024 20
Mediterranean Smart Cities Conference 80

30th ITS World Congress 100
OCP Global Summit (two presentations) 300
IMC2 Day Event + Concordia Day Event 40
Cloud-Edge Continuum (CEC) workshop at IEEE ICNP´24 40
EdgeLess project workshop 20
Open Compute Summit 150
HiPEAC conference 40
COGNIT Tech-day 20
EuroPOWER conference 150
8th IEEE International Conference on Industrial Cyber-Physical Systems (ICPS) 200
IEEE SOSE + JCC 300
FICloud 2025 conference 40
IEEE ICWS 200
IEEE/IFIP NOMS 200
IEEE MASCOT 200
Workshop on the AI Computing Continuum 80
Open Source Experience Workshop 20
Cloud AM Workshop 40

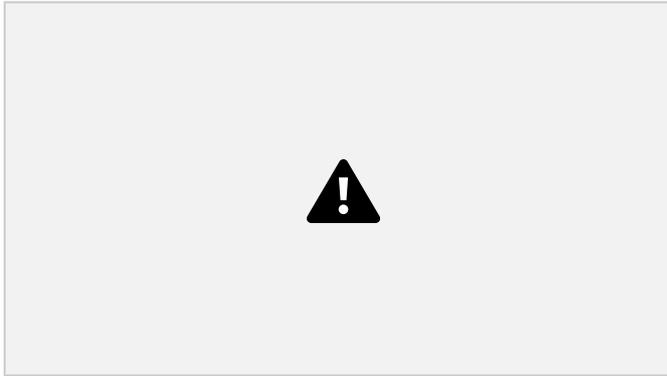| |
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| **[PRESENTATION]** *FOSDEM 2023* |
| Website https://fosdem.org/2023 |
| Date February 4 & 5, 2023 |
| Location Brussels (Belgium) |
| Description FOSDEM is a huge annual event that brings thousands of open source developers from all over the world to Brussels to learn about new projects, share their developments, and look for ways of collaboration. |
| Speakers ● Alberto P. Martí (Project Coordinator @ COGNIT | VP of Open Source Innovation @ OpenNebula) ● Marco Mancini (WP2 Leader @ COGNIT | Senior Cloud Solutions Architect @ OpenNebula) |
| Recordings ● The Role of Open Source at the EU Technology Roadmap for a European Sovereign Cloud. ● Deploying Kubernetes across Hybrid and Multi-Cloud Environments Using OpenNebula. |
| Aim The main objective was to introduce COGNIT to the European open source community and explore some of the approaches and technological foundations that will contribute to the implementation of the Project, including the benefits of using European open source for consolidating the EU's digital sovereignty, and the potential of cloud-native solutions like OpenNebula and Kubernetes in hybrid and multi-cloud environments. |

[PRESENTATION] *Mondragón IoT Session*

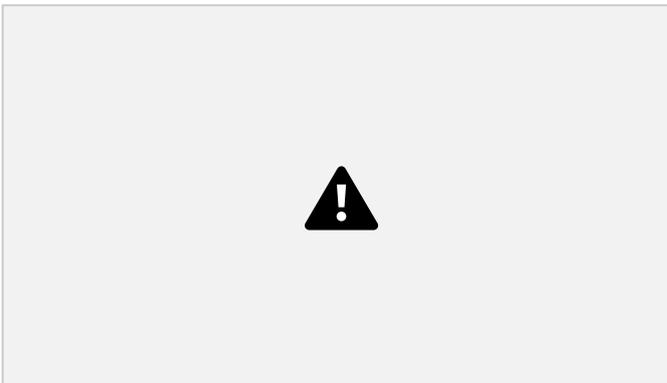|	
Website https://enpresadigitala.spri.eus/es/internet-things-iot-estado-de-la-tecnologia-ejemplos-de-utilizacion-en-productos-y-servicios
Date February 17, 2023
Location Mondragón (Spain)
Description This local conference was focused on the current state of various technologies encompassed by the term IoT, such as data-capturing sensors, communication for sending data to cloud platforms, and data processing. Additionally, products and services that have implemented these technologies in health, energy, or smart cities were presented.
Speaker ● Idoia de la Iglesia (WP3 Leader @ COGNIT | Team Leader, IoT & Digital Platforms @ Ikerlan)
Title *De M2M a AIoT: Cómo el Edge Computing, las comunicaciones 5G y la IA van a marcar la próxima revolución en la Industria 5.0*
Aim The event was aimed at individuals from IT departments, innovation units, and business development, as well as entrepreneurs from Spanish companies interested in IoT solutions. It was also of interest to individuals in the commercial areas interested in new business models.

[PANEL] *Data Spaces Symposium*

Website https://data-spaces-symposium.eu
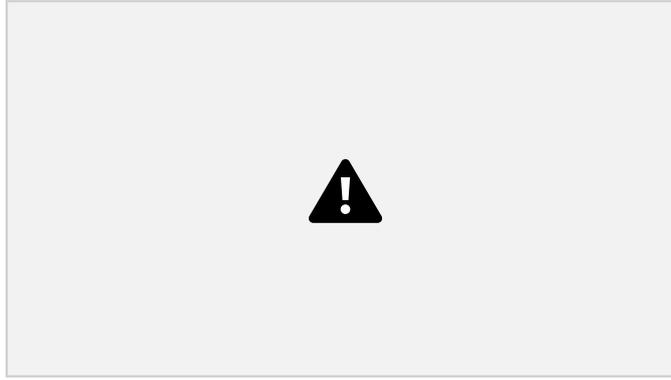
Date March 21, 2023

Location The Hague (Netherlands)

Description The largest ever event on data spaces organised up until now in the EU, the Data Spaces Symposium has been hosted by the Center of Excellence for Data Sharing and Cloud (TNO), the International Data Spaces Association (IDSA), the Basic Data Infrastructure network, and the Data Spaces Support Centre (DSSC), boosted by the Data Spaces Business Alliance and organised together with EUHubs4Data and MyData Global, this event brought together for the first time a large number of relevant data sharing initiatives and European stakeholders under the same roof.

Speaker ● Ignacio M. Llorente (Researcher @ COGNIT | CEO of OpenNebula)
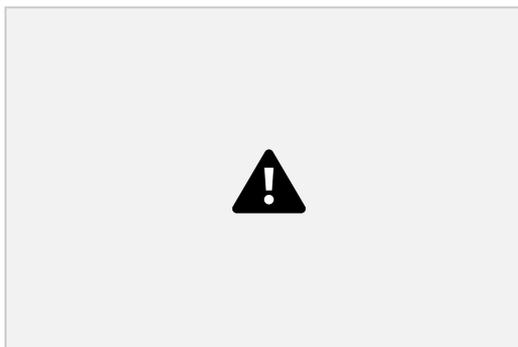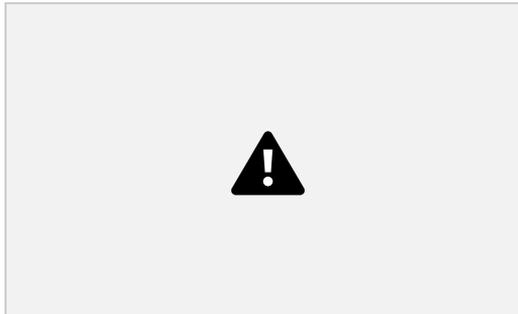
Title *Data space tech: What ingredients are there, which are needed?*

Aim The objective was to present the COGNIT Project to the European ecosystem of industry and R&D organisations involved in the development of the common European data spaces, and to promote a public debate among participants about the need to further collaboration towards building a Cognitive Continuum able to respond to the evolving needs of the emerging EU data economy in terms of smart operation and optimisation of multi-provider, heterogeneous cloud-edge infrastructure.

[PRESENTATION] *Concertation & Consultation Meeting on Computing Continuum*

Website https://eucloudedgeiot.eu/concentration-and-consultation-meeting-on-co
mputing-continuum-uniting-the-european-ict-community-for-a-digital-f
ut ure

Date May 10–11, 2023

Location Brussels (Belgium)

Description This event was orchestrated by Open Continuum (EUCloudEdgeIoT CSA),
with the support of Unlock CEI and SWForum, under the strategic
direction of the European Commission's DG Connect, and brought
together leading researchers, policy makers, and industry experts.
The event focused on the intersection of Cloud, Edge, and IoT
computing, discussing the management of services and data across
the computing continuum. As the demand for cloud computing
services and edge
computing is projected to proliferate, the event recognised the
importance of addressing new data processing needs at the edge
and emphasised the integration of AI and Machine Learning.

Speaker ● Thomas Ohlson Timoudas (WP5 Leader @ COGNIT | Researcher @ RISE) ●
Sébastien Dupont (Cybersecurity UC Leader @ COGNIT | Research
Engineer @ CETIC)
● Ignacio M. Llorente (Researcher @ COGNIT | CEO of OpenNebula)
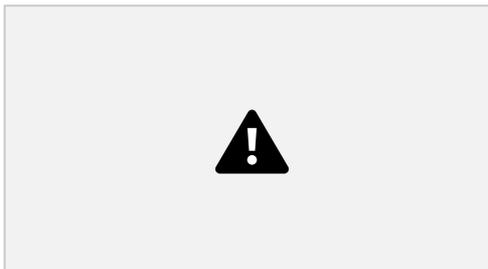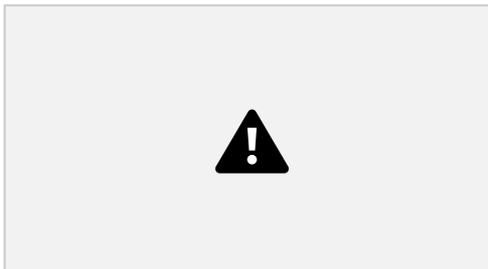
Title *COGNIT Project: Goals, Expectations and Vision*

Aim The objective of this presentation was to formally introduce COGNIT to the European ecosystem of research and innovation organisations linked to the EUCloudEdgeIoT coordination and support action, especially to those companies actively involved in ongoing projects related to the MetaOS and Cognitive Cloud topics of the HE programme (Cluster 4).

[PRESENTATION] *VIII PTPiREE Conference*

Website http://pomiary.ptpiree.pl/pliki-do-pobrania
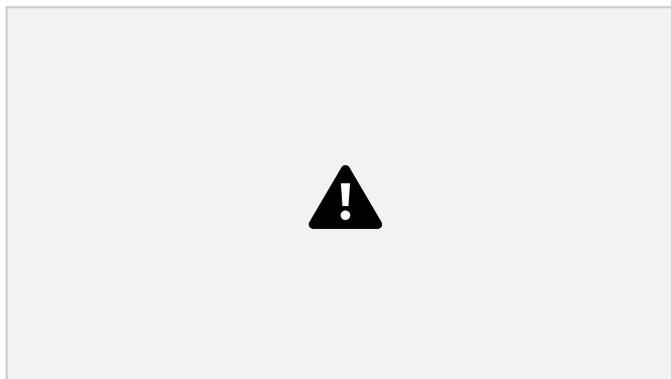
Date June 1, 2023

Location Kołobrzeg (Poland)

Description The Polish Power Transmission and Distribution Association (PTPiREE) was established in August 1990 as an association of distribution and transmission network operators. It works for the transformation of the Polish power industry, aiming to improve the operational efficiency of the power network, as well as the quality of services and customer service. PTRiREE organised this VIII Scientific and Technical Conference on Measurements and Diagnostics in Power Networks.

Speaker ● Kaja Swat (Energy UC Leader @ COGNIT | COO @ Phoenix)
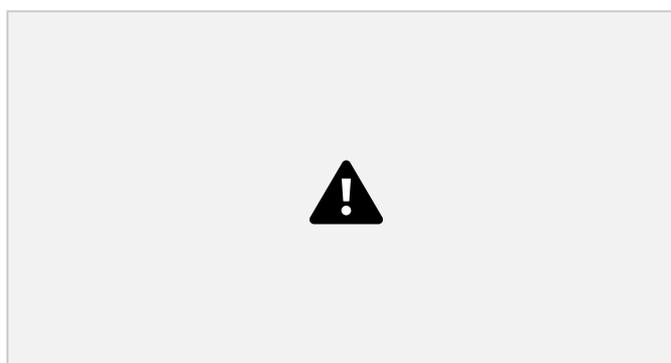
Title *Projekt COGNIT - innowacyjne podejście do zarządzania wykonywaniem kodu na przykładzie liczników energii*

Aim The objective of this presentation was to introduce the COGNIT Project to the Polish industrial ecosystem around the PTPiREE and to explain how the Energy Use Case led by Phoenix will demonstrate the capabilities of edge computing to support the ongoing transformation of the energy sector by moving from a hierarchical, centralised structure towards a more distributed way of managing energy assets and networks.

[PANEL] *Data Week 2023*

Website https://data-week.eu/session/building-a-cognitive-cloud-edge-continuum for-next-generation-data-processing-applications
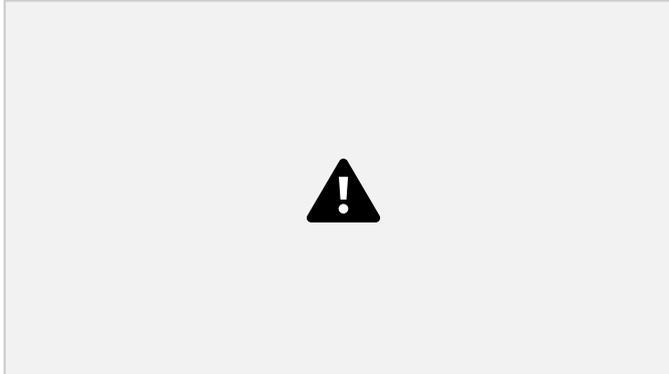
Date June 14, 2023

Location Luleå (Sweden)

Description Data Week 2023 is the spring gathering of the European Big Data and the data-driven AI research and innovation communities. During the event, the participants share knowledge and results, discuss topics of common interest, find synergies, build new collaborations, and identify new challenges and recommendations.

Speakers ● Thomas Ohlson Timoudas (WP5 Leader @ COGNIT | Researcher @ RISE) ● Daniel Olsson (Testbed Admin @ COGNIT | Senior Researcher @ RISE) ● Sébastien Dupont (Cybersecurity UC Leader @ COGNIT | Research Engineer @ CETIC)
● Rizkallah Touma (Researcher @ CODECO | Research Lead @ i2CAT) ● Andoni Amurrio (Researcher @ EXTRACT | Researcher @ Ikerlan)
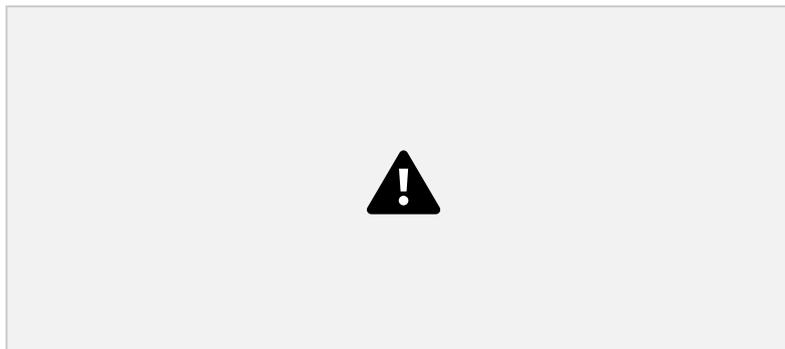
● Davide Dalle Carbonare (Researcher @ TALON | Senior Researcher @ Engineering Ingegneria Informatica)

Title *Building a Cognitive Cloud-Edge Continuum for Next-Generation Data Processing Applications*

Aim In this session organised and chaired by COGNIT, speakers from several EU-funded research and development projects from the EUCloudEdgeIoT ecosystem (i.e. COGNIT, CODECO, EXTRACT, and TALON) provided an

overview of their Cognitive Computing solutions, including the next-generation MetaOS for the smart IoT as well as AI-enabled computing continuum cloud-edge platforms. This panel offered participants a unique opportunity to explore synergies between ongoing research and innovation projects funded by the European Union.

[PANEL] *OpenNebula Conference 2023*

Website https://app.swapcard.com/event/opennebulacon2023/planning/UGxhbm5pbmdfMTM2MTY5MQ==

Date June 22, 2023

Location Virtual Event

Description Born back in 2013, and following a virtual format since 2022, the OpenNebula Conferences are educational events that serve as meeting points for cloud users, developers, administrators, integrators and researchers, featuring talks with first-hand experiences and use cases. They also include hands-on tutorials and panel discussions that provide an opportunity to explore future developments. More than 40 speakers from 30 different organisations, and hundreds of attendees, have contributed to this year's special 10th edition of the OpenNebulaCon with their
expertise, use cases, technical skills, and unique vision about the present and future of open source cloud and edge computing.

Speakers ● Idoia de la Iglesia (WP3 Leader @ COGNIT | Team Leader, IoT & Digital Platforms @ Ikerlan)
● Paul Townend (Scientific Coordinator @ COGNIT | Associate Professor @ UMU)
● Thomas Ohlson Timoudas (WP5 Leader @ COGNIT | Researcher @ RISE) ● Ruben S. Montero (Researcher @ COGNIT | CTO @ OpenNebula)
● Dan Bason (Software Engineer @ SUSE)

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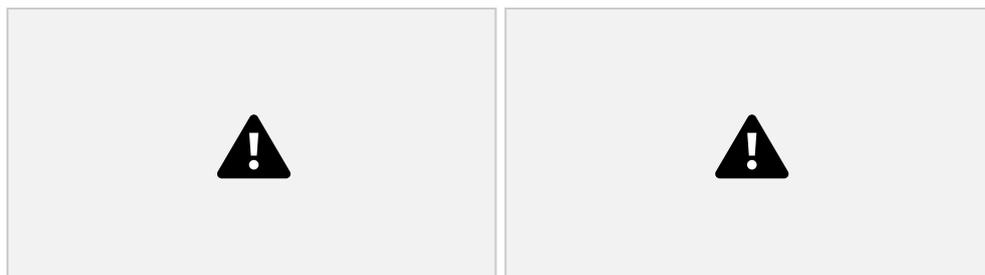
Title *Artificial Intelligence for the Edge Cloud*

Aim In addition to reducing latency, improving security, and optimising resource consumption, this panel discussion organised by COGNIT looked at how Artificial Intelligence is expected to enable highly-distributed edge cloud architectures to be more flexible and adaptable to the changing needs of IoT/edge application developers.

[PRESENTATION] *Linux Foundation Europe Member Summit 2023*

Website events.linuxfoundation.org/archive/2023/lf-europe-member-summit

Date September 18, 2023

Location Bilbao (Spain)

Description The LFE Member Summit is an annual gathering for Linux Foundation Europe members, along with invited speakers, sponsors and media.

Speakers ● Alberto P. Martí (Project Coordinator @ COGNIT | VP of Open Source Innovation @ OpenNebula Systems)

Recordings ● *A sneak peak intro how Europe is building its future open source, sovereign Edge Cloud*
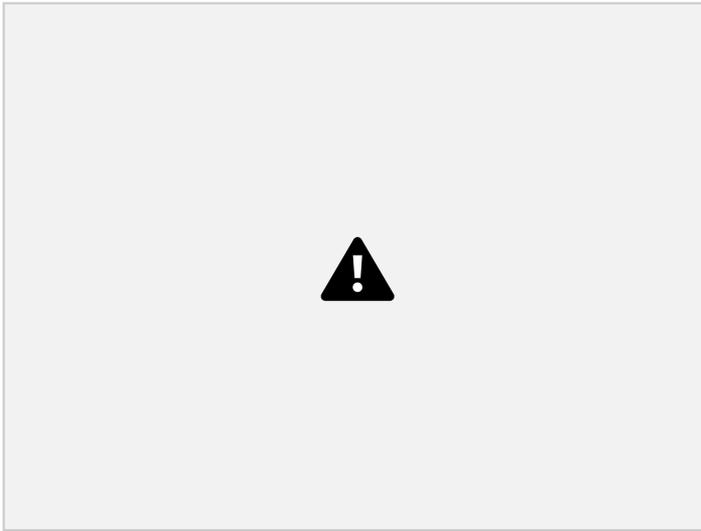
Aim
The main objective was to spread the word about the COGNIT Project and promote its unique model of European industry-research collaboration

focused on ensuring a direct positive impact of the EU-funded R&D tasks of the Project on existing European open source technologies.

[PRESENTATION] *Linux Foundation Open Source Summit Europe 2023*
Website events.linuxfoundation.org/archive/2023/open-source-summit-europe
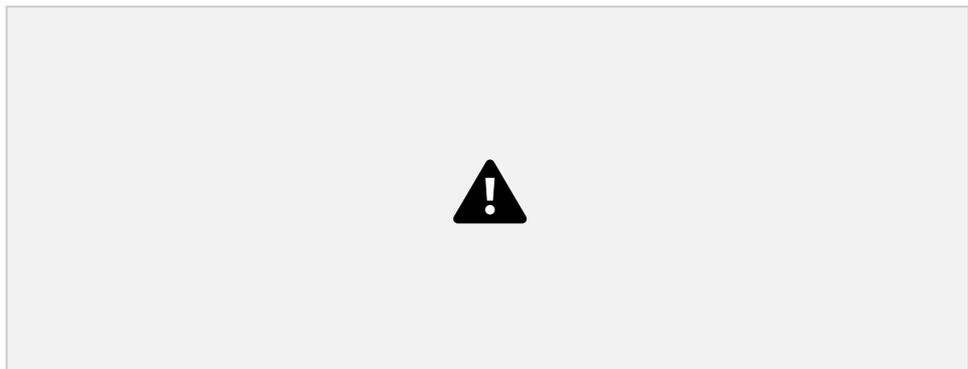
Date September 19–21, 2023
Location Bilbao (Spain)
Description The Linux Foundation Open Source Summit is the premier event for open source developers, technologists, and community leaders to collaborate, share information, solve problems, and gain knowledge, furthering open source innovation and ensuring a sustainable open source ecosystem.
Speakers ● Idoia de la Iglesia (Team Leader, IoT & Digital Platforms @ Ikerlan) ● Marco González Hierro (Head of AI & Data @ Ikerlan)

Recordings ● *Using AI-enabled edge cloud technologies to strengthen Europe's Industry 4.0*
Aim The main objective was to present the COGNIT Project as a project that is expected to have a significant impact on how the European industry is going to be able to adopt a serverless paradigm based on leveraging the emerging cloud-edge continuum.

[PRESENTATION + PANEL] *NexusForum2023 Summit*
Website https://nexusforum.eu/nexusforum2023
Date October 5–6, 2023
Location Brussels (Belgium)

Description Organised and sponsored by OpenNebula Systems in anticipation of the official start of the EU-funded NexusForum.EU CSA in January 2024, and with the participation of key officials from DG CONNECT (including Pierre Chastanet) and several representatives of the Spanish Government as part of the Presidency of the Council of the EU, NexusForum2023
managed to create a unique space for exploring together potential collaborations between the research and industry ecosystems involved in Horizon Europe actions, the new IPCEI-CIS, and the EU Cloud Alliance.

Speaker &
Source Panelists
- Alberto P. Martí (Project Coordinator @ COGNIT | VP of Open Innovation @ OpenNebula Systems).
- Paul Townend (Scientific Coordinator @ COGNIT | Associate Professor @ Umeå University).
- Constantino Vázquez (Technical Manager @ COGNIT | Chief Operating Officer @ OpenNebula Systems).
- Idoia de la Iglesia (Team Leader, IoT & Digital Platforms @ Ikerlan) • Philippe Massonet (Scientific Coordinator @ CETIC)
- Thomas Ohlson Timoudas (Researcher @ RISE)
- Johan Kristiansson (Senior Researcher @ RISE)

Aim The main objectives was to present COGNIT as part of a series of presentations about HE projects developing the Cognitive Cloud, and to host a panel discussion in which partners of the Project shared their vision

on the role that AI is expected to play in addressing the main challenges of operating multi-provider, highly distributed edge cloud environments.

[PRESENTATION] *eSAAM on Cloud-Edge Continuum @ EclipseCon 2023*

Website https://www.eclipse.org/events/2023/esaam2023/
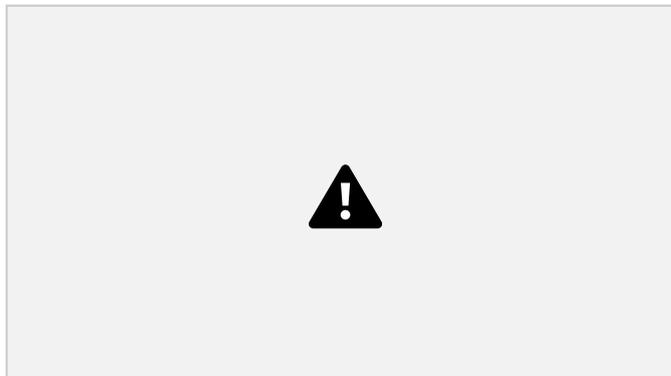
Date October 17, 2023

Location Ludwigsburg (Germany)

Description This conference brought together industry experts and researchers working on innovative software and systems solutions for the next generation of Cloud-to-Edge continuum, specifically focusing on Security and Privacy, Artificial Intelligence and Machine Learning, Systems and Software Architecture, Modelling and related challenges.
Speakers ● Marco González Hierro (Head of AI & Data @ Ikerlan)
Slides ● *AI and Edge Computing: Driving Competitive Advantage for Businesses*
Aim Based on IKERLAN's first-hand experience as members of the Mondragon Corporation—the largest industrial group in the Basque Country—this Keynote focused on examining the practical implementation of edge-cloud solutions in EU strategic sectors, and to present COGNIT as a powerful serverless platform leveraging the cloud-edge continuum.

[PANEL] *CODECO Workshop @ HiPEAC 2024*
Website https://www.hipeac.net/2024/munich/#/program/sessions/8105/
Date January 17–19, 2024
Location Munich (Germany)

Description HiPEAC (High Performance, Edge And Cloud computing) is the premier focal point for networking, dissemination, training, and collaboration activities in Europe for researchers, industry, and policy related to computing systems.
Panelist ● Paul Townend (Scientific Coordinator @ COGNIT | Associate Professor @ Umeå University)
Details ● *Different perspectives on the Edge-Cloud Continuum*
Aim The main objective was to disseminate the research performed by the Project through this first industrial workshop organised by the CODECO Project, which was directed to the research community and aimed at discussing novel concepts on smart Edge-Cloud Orchestration.

[PRESENTATIONS] *FOSDEM 2024*
Website https://fosdem.org/2024
Date February 3–4, 2024
Location Brussels (Belgium)
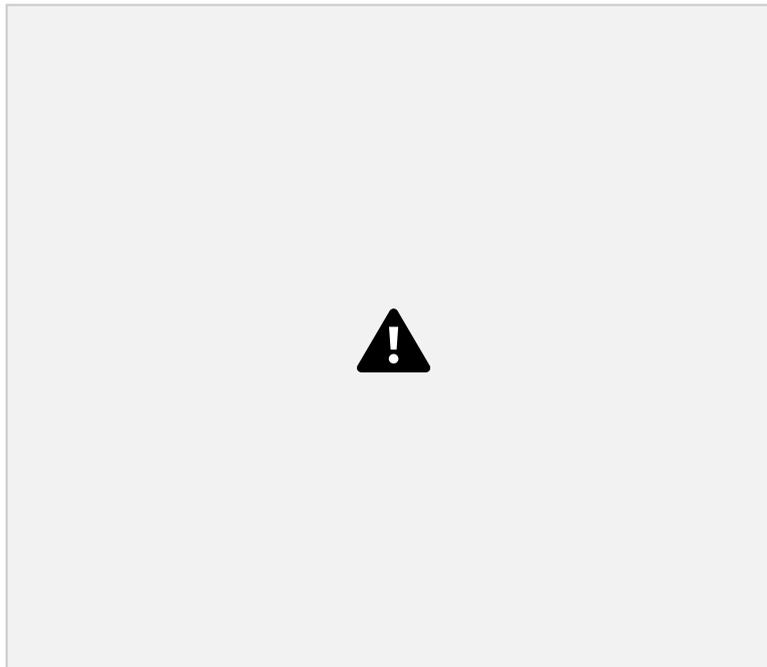
Description FOSDEM is a huge annual event that brings thousands of open source developers from all over the world to Brussels to learn about new projects, share their developments, and look for ways of collaboration. Participants included team members from OpenNebula, ACISA and CETIC.
Speakers ● Víctor Palma (Cloud Engineer @ OpenNebula Systems)
Recordings ● *AI-Driven Observability and Operations in Cloud-Edge Systems*. ● *Deploying a hyper-converged infrastructure with Ceph across the Cloud-Edge Continuum*.

Aim The main objective was to introduce COGNIT to the European open source
community and explore some of the approaches and technological
foundations that will contribute to the implementation of the
Project, including the benefits of using AIOps and a SDS-based
hyper-converged infrastructure architecture across the cloud-edge
continuum.

[PRESENTATION] *SGTech Week 2024*

Website https://www.smartgrid-forums.com

Date March 18–22, 2024

Location Noordwijk (Netherlands)

Description SGTech Week 2024, organised by Smart Grid Forums, provides smart grid
technical teams with crucial insights into the latest lessons learnt from innovation
projects in key grid domains: substations, control centres, telco networks, smart
energy meter infrastructure, big data, and cybersecurity.
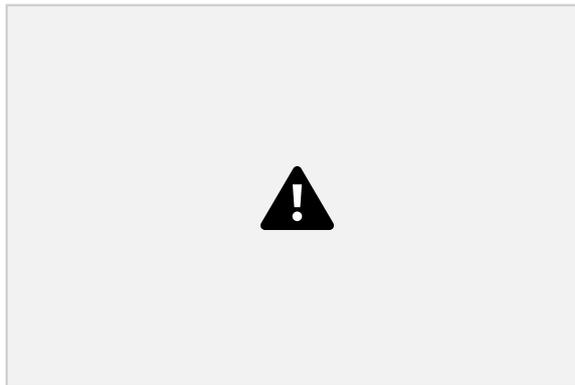
Speakers ● Marco González Hierro (Head of AI & Data @ Ikerlan)

Details ● *Leading innovation and knowledge transfer to enable secure, resilient
automation workloads with edge computing and 5G*

Aim The main objective was to present COGNIT as an innovative serverless
platform that enables a key sector such as Energy to speed up the
adoption of 5G/edge infrastructure across the computing continuum.

[PRESENTATION] *EuCNC & 6G Summit 2024*

Website https://www.eucnc.eu
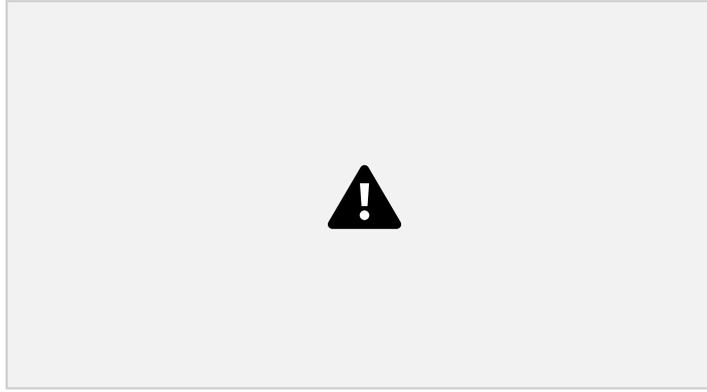
Date June 3–6, 2024

Location Antwerp (Belgium)

Description The 2024 EuCNC & 6G Summit builds on putting together two successful conferences in the area of telecommunications: EuCNC (European Conference on Networks and Communications), supported by the European Commission, and the 6G Summit, originated from the 6G Flagship programme in Finland, one of the very first in its area.

Speakers ● Aitor Arriola (Team Leader, Smart Connectivity @ Ikerlan)

Details ● *AI in the Edge-Cloud Continuum: Driving Competitive Advantage for Businesses*

Aim The main objective was to share with the audience the role that AI plays in the COGNIT Project and explore synergies with the application of smart orchestration techniques in the context of Advanced 5G & 6G networks implementing a Multi-access Edge Computing (MEC) paradigm.

[PANEL] *OpenContinuum Final Conference*

Website EUCloudEdgeIoT.eu
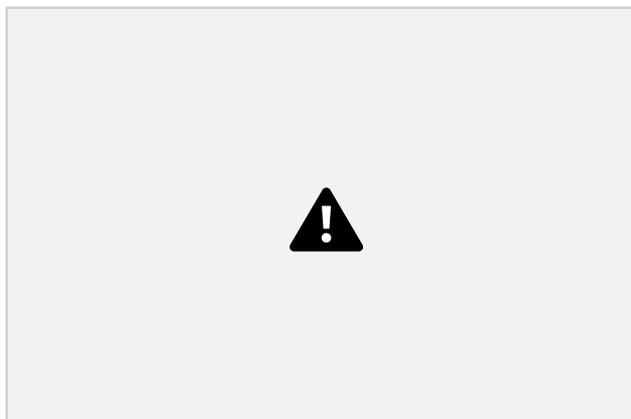
Date June 18, 2024

Location Brussels (Belgium)

Description This end-of-project event focused on the value of the EUCloudEdgeIoT initiative for the industry and research ecosystems, highlighting the latest advancements and results of the OpenContinuum CSA and the more than 50 research and innovation actions that it has supported up until now.

Speakers ● Nikolaos Matskanis (Senior Project Manager @ CETIC)

Details ● *Research Panel #1: Cognitive Cloud*

Aim The main objective was to discuss the novelties in the development of the Cognitive Cloud with the rest of Horizon Europe projects working on this topic in the context of the EC-sponsored EUCloudEdgeIoT initiative.

[PRESENTATION] *openSUSE Conference 2024*

Website https://events.opensuse.org/conferences/oSC24
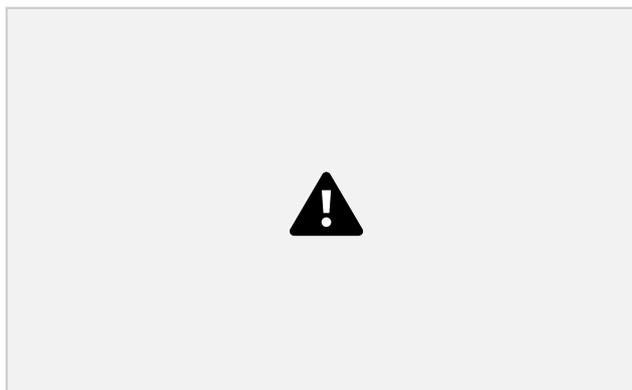
Date June 27–29, 2024

Location Nürnberg (Germany)

Description The openSUSE Conference is an annual gathering of openSUSE Project and Open Source Communities. It features a blend of virtual and in-person presentations as well as workshops and social gatherings.

Speakers ● Torsten Hallmann (Head of Public Affairs @ SUSE)
Recording ● *Accelerating IoT with a Cognitive Serverless Framework*
Aim The main objective of this presentation was to explain to the openSUSE community how the COGNIT Project is leveraging SUSE's open source technologies as part of its R&D tasks and to spread the word about the recently established COGNIT Ambassador Programme.

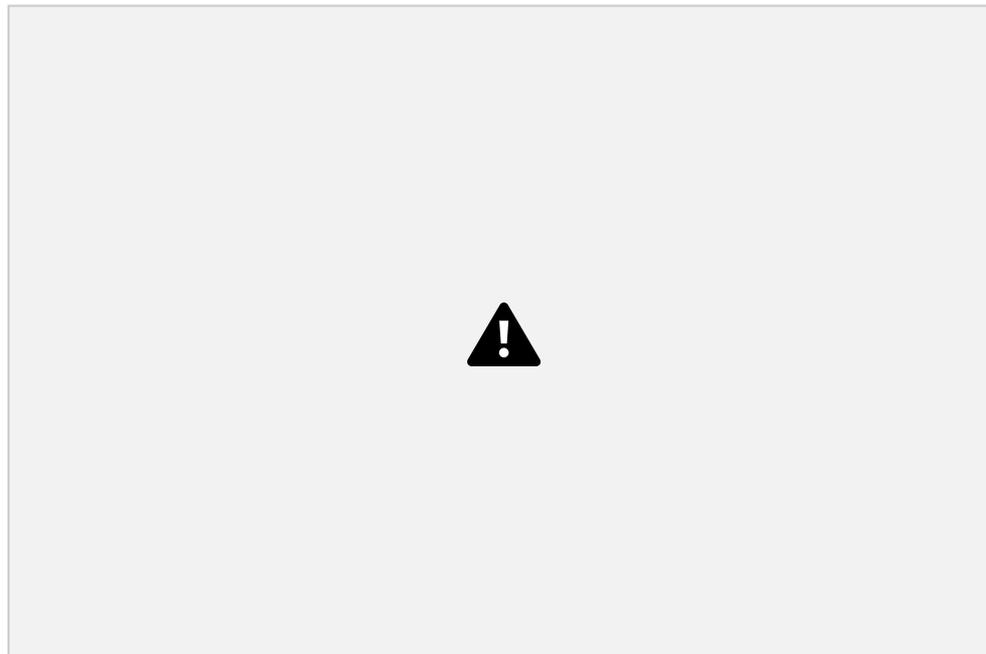| |
|---|
| **[PANEL] IEEE** CISOSE 2024 |
| Website https://www.computer.org/conferences/cisose-2024

 ⚠ |
| Date July 15-18, 2024 |
| Location Shanghai (China) |
| Description The IEEE International Congress on Intelligence and Service Systems Engineering (IEEE CISOSE2024) provides a platform for academic researchers, industry leaders, major technology providers, and solution players to exchange results, ideas, problems and solutions in building systems and service applications using intelligent mobile technologies, AI and machine learning models, big data, and service engineering solutions.. |
| Speakers ● Paul Towend (Associate Professor @ UMU)
 ● Prof. Jerry Gao (San Jose State University, USA)
 ● Prof. Jie Xu (University of Leeds, UK)
 ● Prof. Hong Zhu (Oxford Brookes University, UK) |
| Details ● *Research Panel #1: Cognitive Cloud* |
| Aim A panel on Cloud and the integration of AI into scheduling and decision making was held as part of IEEE CISOSE 2024. As part of the panel, the aims and high-level solutions of the COGNIT project were outlined. |

[PRESENTATION & Booth] *ENLIT Conference 2024*

Website https://www.enlit.world/library/project-cognit-optimising-energy-use-at-the-edge

Date October 22–24, 2024

Location Milan (Italy)

Description Enlit is a major global energy community and event series (like Enlit Europe, Asia, Africa) focused on the energy transition, connecting all players from generation to consumer to drive innovation in decarbonized, digitalized energy systems through conferences, digital platforms, and networking. It provides a year-round platform for experts, utilities, startups, and end-users to collaborate on issues like renewables, smart grids, storage, policy, and digital solutions.
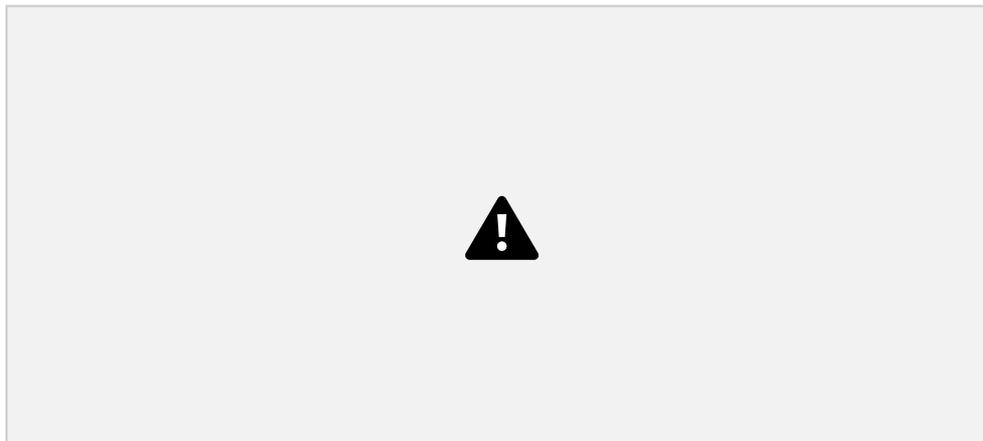
Speakers ● Tomasz Korniluk (Engineer @ Phoenix)

Recording ● *https://www.youtube.com/watch?v=PFqxiXQYZSY*

Aim To showcase the advancements that COGNIT project brings to the Energy sector.

[PANEL] *AIOTI Annual event 2024*

Website https://aioti.eu/aioti-days-2024/
Date September 24-25, 2024
Location Brussels (Belgium)
Description Aims to promote, bridge, and collaborate in AI, IoT, Edge Continuum, and other converging technologies research and innovation, standardisation, and ecosystem building.
Speakers ● Ikerlan / Phoenix / ACISA / CETIC
Details ● *Building solutions for the edge of the future - advancing from use cases to business cases*
Aim The main objective was to demonstrate the COGNIT Platform and describe the 4 use cases . Discuss with participants the novelties of the platform and how the use cases can benefit from the new serverlss FaaS paradigm.

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| **[PRESENTATION]** Mediterranean Smart Cities Conference *2024* |
| Website https://www.med-sc.org |
| Date May 2–4, 2024 |
| Location Martil, Tetuan (Morocco) (remotely attended) |
| Description MSCC brings together thought leaders, policymakers, urban planners and technology experts to explore the future of smart cities in different topics such as Technologies and Applications, Digital Transformation, Sustainable Urban Planning, Innovation in Infrastructure and Resilience and Climate Action. |

Speakers ● Antonio Lalaguna (CTO @ ACISA)

Aim The objective was to demonstrate the practical application and impact of the COGNIT open-source serverless framework in smart city environments by showcasing Granada's real-world traffic management use case, bridging research outcomes with deployable solutions.

[PRESENTATION] 30th ITS World Congress 2024
Website 30th ITS World Congress
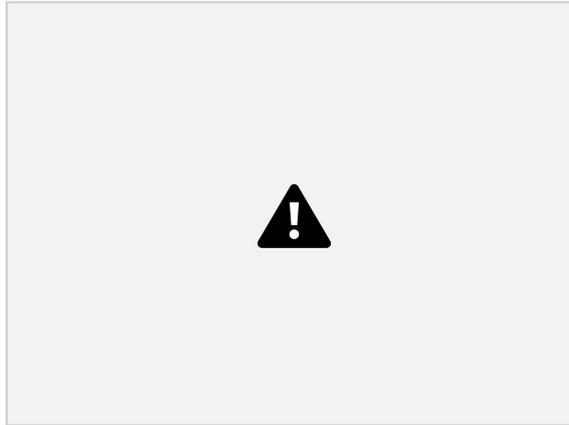
Date September 16-20, 2024
Location Dubai
Description ITS World Congress in Dubai aims to raise awareness of smart mobility solutions among policymakers, experts and the general public.
Speakers ● Antonio Lalaguna (CTO @ ACISA)
Aim The main objective of this presentation was to showcase how the COGNIT middleware can be leveraged to simplify complex IT management and focus on adding value to Acisa's mobility solutions for Smart Cities.

[PRESENTATION] 2024 OCP Global Summit
Website https://www.opencompute.org/events/past-events/2024-ocp-global-summit

Date October 15-17, 2024
Location San-Jose (USA)
Description The OCP Global Summit is the Open Compute Project's flagship event for sharing advancements and collaborations in open data centre hardware and software. At the event, Johan gave a talk in the Sustainability track about the work in COGNIT on AI-driven orchestration and energy efficiency for distributed edge computing.
Speakers ● Johan Kristiansson (Senior Researcher @ RISE)
Recording N/A
Aim The aim of attending the event was to disseminate results and insights from the COGNIT project to the global OCP community, and to engage practitioners and connect our work to real-world data center facility challenges. In particular, the presentation aimed to highlight how the shift to distributed edge intelligence challenges current practices in orchestration, energy-efficiency, and sustainability, and share progress from our AI orchestration and energy efficiency research in COGNIT towards solving these challenges.

| [PRESENTATION] IMC2 Day Event + Concordia Day Event |
| --- |
| Website https://northamerica.forum-incyber.com |
| Date October 30-31, 2024 |
| Location Montreal (Canada) |

Description Philippe Massonet gave 3 presentations: "European project
SovereignEdge.COGNIT and cloud-edge infrastructure
security",
"discussion on CyberExcellence industrial challenges", "Discussion
on experiences in European projects", at the meeting with IMC2on
Wednesday October 30 and at the meeting with Concordia University
on Thursday October 31.

Speakers ● Philippe Massonet (Scientific Coordinator @ CETIC)

Aim The main objective of this presentation was to participate in the InCyber Forum:
https: //northamerica.forum-incyber.com/
And meet with: The Canadian Cybersecurity Cluster - In-Sec-M
https://insecm.ca/ also with the Multidisciplinary Institute for
Cybersecurity and CyberResilience (IMC2) https://i-mc2.ca/ and
Concordia University

[PRESENTATION] Cloud-Edge Continuum (CEC) workshop at IEEE ICNP´24

Website CEC Workshop
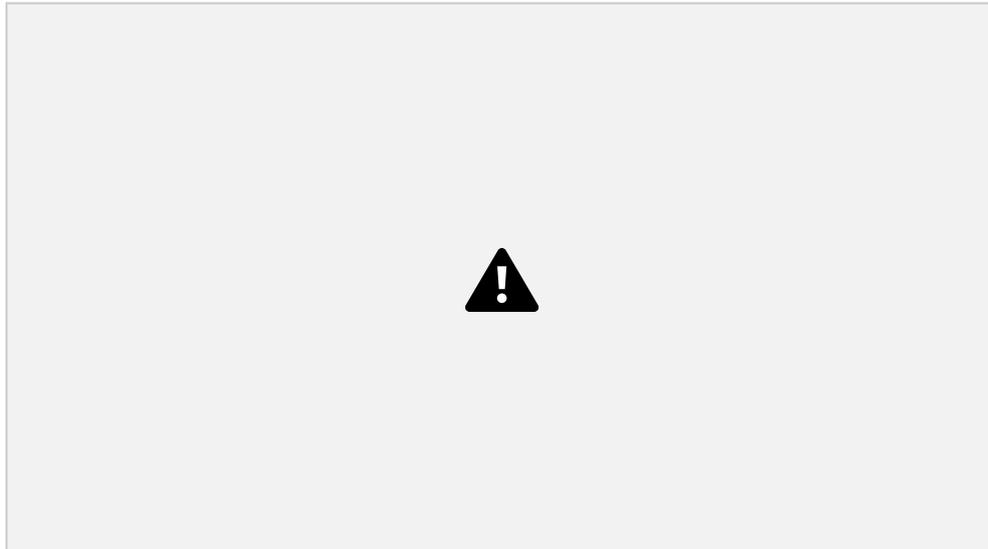
Date October 28, 2024

Location Charleroi, BE (remotely attended)

Description The CEC workshop also aims to provide insights into how Cloud-Edge
Continuum can be applied in various fields, such as healthcare,
transportation, smart cities, and manufacturing.

Speakers ● Antonio Alvarez (Project manager @ OpenNebula)

Recording N/A

Aim This presentation aims at providing an overview of COGNIT, explaining the main
goals of the project and introducing its different use cases
highlighting the unique challenges they pose

[PRESENTATION] Edgeless Project Workshop
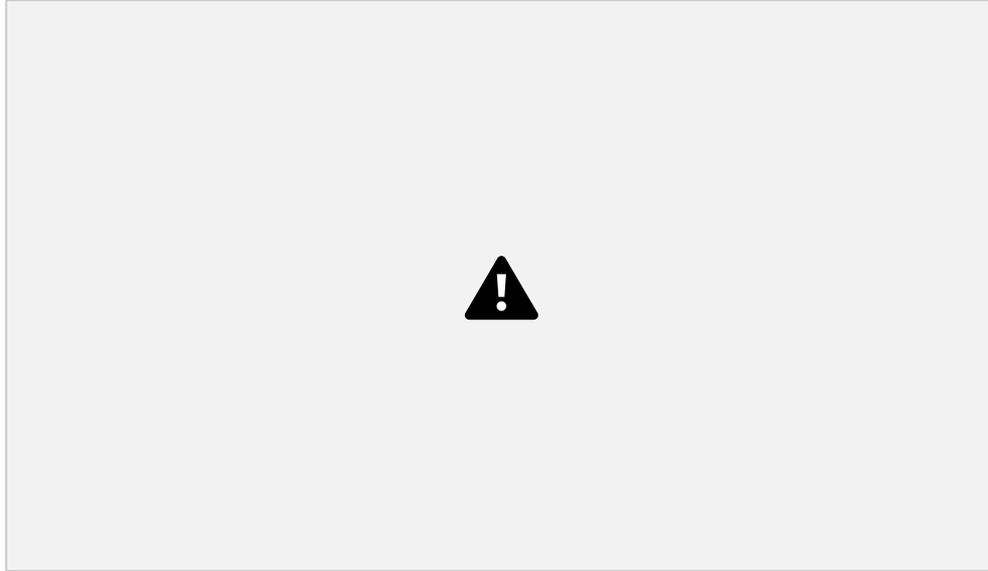
Website

Date November 26, 2024

Location Virtual

Description European workshop designed to provide participants with a comprehensive understanding of the EDGELESS project and to learn from other projects and experts within the same domain. Speakers from various projects shared their visions and advancements in cognitive edge computing.

Speakers Paul Townend (Associate Professor @ UMU)

Recording https://www.youtube.com/watch?v=-bo5nhiYZ44

Aim Participation in a panel on "**Closing the gap between the edge and cloud computing**". COGNIT was presented alongside speakers from other projects including AC3, ACES, and COGNIFOG.

[PRESENTATION] CognitTech Day

Website https://opennebula.io/blog/events/techday-bilbao-2025/?utm_content=3 28192638&utm_medium=social&utm_source=facebook&hss_channel=f bp -131479102555
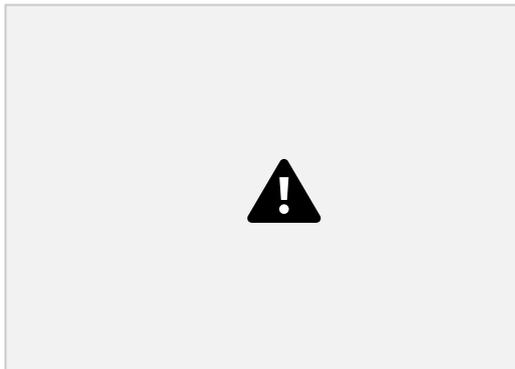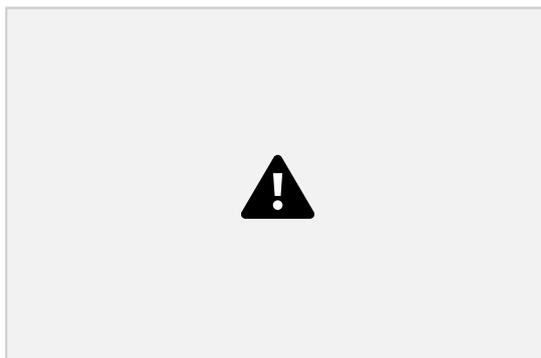
Date February 21, 2025

Location Bilbao (Spain)

Description This event offers an unparalleled opportunity to explore the latest advancements in Artificial Intelligence in connection with Europe's new Sovereign Cloud, developed through strategic initiatives such as the €3B IPCEI Cloud. The meeting will take place on February 21 at the B Accelerator Tower, an iconic landmark in Bilbao and a dynamic hub for innovative companies across the digital, energy, fintech, mobility, logistics, and manufacturing sectors.

Speakers ● Josu Bilbao (Director of Digital Technologies and Artificial Intelligence @ IKERLAN)
● Marco González (Head of AI & Data @ IKERLAN)
● Idoia de la Iglesia (Team Leader Intelligence of Things @ IKERLAN)
● Ignacio M. Llorente (Chief Executive Officer @ OpenNebula Systems) ● Antonio Lalaguna (Chief Technology & Research Officer @ ACISA)

Aim The event aims to bring together industry leaders, technology experts, and institutional representatives to examine emerging trends in AI and cloud infrastructures, and to discuss their strategic implications for Europe's digital future.

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[PRESENTATION] EuroPOWER 2025 Conference

Website https://konferencjaeuropower.pl/41-konferencja-energetyczna-europowe r-oze-power-energetyka-spoleczenstwo-gospodarka/

Date April 3-4, 2025

Location Warsaw (Poland)

Description Digitalization in the Energy Sector - Optimization, Management, the Role of Data, Artificial Intelligence, and Cybersecurity - panel discussion.
Speakers ● Kaja Swat (COO @ Phoenix Systems)
Recording *No recording*
Aim The main objective was to show how advancement in the energy sector can be made using the example of Cognit - Energy use case.

[PRESENTATION] 8th IEEE International Conference on Industrial Cyber-Physical Systems (ICPS)
Website https://icps2025.ieee-ies.org
Date May 12-15, 2025
Location Emden (Germany)
Description The ICPS conference aims to provide an international platform for cutting-edge research and professional interactions for the development of ICPS. Industry experts, researchers, and academics will share ideas and experiences surrounding frontier technologies, breakthroughs, innovative solutions, research and innovation results, as well as initiatives related to ICPS, AI-assisted Digital Transformation, and their applications. The conference program will feature a rich program, including research and innovation papers, as well as special sessions, tutorials, exhibitions, and an industry forum with thematic dedicated industry talks.
Speakers ● Johan Kristiansson (RISE)
Aim This presentation explained the findings of the paper "ICPS25-000055 Carbon-Aware Scheduling for Cyber-Physical Systems in the Edge-Cloud Continuum" that was part of the COGNIT project and disseminated the COGNIT platform to the academic community present at the conference.

[PRESENTATION] IEEE/IFIP NOMS 2025

Website https://noms2025.ieee-noms.org

Date May 12-16, 2025

Location Honolulu (USA)

Description The IEEE/IFIP NOMS is a flagship international conference that gathers researchers, developers, vendors, service providers, and policy-makers. It features a blend of virtual and in-person presentations as well as workshops, tutorials, and social gatherings.

Speakers ● Monowar Bhuyan (Associate Professor @ UMU)

Recording ● *None*

Aim The main objective of this presentation was to explain our work on serverless SDN framework as well as how the COGNIT Project benefits cloud network operations among the community.

[PRESENTATION (online)] IEEE ICWS

Website https://services.conferences.computer.org/2025/icws-2025/

Date July 7-12, 2025

Location Helsinki (Finland)

Description The International Conference on Web Services (ICWS) is a leading forum for researchers and industry to exchange latest advances, identify emerging topics, and define the future of Web-based services. Key areas include service modeling, development, publishing, discovery, composition, testing, adaptation, delivery, applications, and standards.
Speakers ● Monowar Bhuyan (Associate Professor @ UMU)
Aim The main objective of this presentation was to present the work on "Adaptive Composition of Machine Learning as a Service (MLaaS) for IoT Environments" and explain the work of COGNIT project on deploying an MLaaS for the COGNIT platform.

[PRESENTATION] IEEE SOSE + IEEE JCC
Website https://conf.researchr.org/home/cisose-2025
Date July 21-24, 2025
Location Tucson (USA)
Description The IEEE JCC 2025 is the 16th edition of the annual IEEE Conference on JointCloud Computing, where academia and industry participants meet

and exchange knowledge in the areas of cloud computing and computing intelligence, July 21-24, 2025, held in Tucson, Arizona, USA.
Speakers ● Monowar Bhuyan (Associate Professor @ UMU)
Recording ● *None*

Aim The main objective of this presentation was to explain two key works: one was explained how neural-ODE model employ to detect denial of wallet attacks in FaaS platform, and another one was discussed how log anomaly detection helps to improve the FaaS resource optimization optimization performance among the industry and academic communities.

[PRESENTATION] FICloud 2025

Website https://ficloud.org/2025/

Date August 13, 2025

Location Istanbul (Turkey)

Description FICloud Conference aims to promote the state of the art in scientific and practical research of the IoT and cloud computing. It provides a forum for bringing together researchers and practitioners from academia, industry, and public sector in an effort to present their research work and share research and development ideas in the area of IoT and cloud computing.

Speakers ● Philippe Massonet (Scientific Coordinator @ CETIC)

Aim Presentation of the paper "Executing Mobile Edge Functions in the Cloud-Edge Continuum : Analyzing Threats to Location Integrity" (Programme) at the IEEE 12th International Conference on Future Internet of Things and Cloud from 11-13/08/2025 in Istanbul. The paper is the result of a collaboration between OpenNebula, CETIC and UMEA University. Philippe is also chairing the session "FiCloud Session 3: Deep Learning Methods & Models" on Monday 11/08/2025.

[PRESENTATION] IEEE MASCOTS

Website https://mascots25.iitis.pl

Date October 21-23, 2025

Location Paris (France)

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Description The MASCOTS conference is a well-established forum for state-of-the-art research on the measurement, modeling, and performance analysis of computer systems and networks.

Speakers ● Chanh Nguyen (Senior Researcher @ UMU)

Aim The main objective of the presentation "Taming Cold Starts: Proactive Serverless Scheduling with Model Predictive Control" was to explain the work of COGNIT project on the serverless framework and to disseminate the project in the academic community.

[PRESENTATION] Cloud AM workshop of IEEE/ACM conference
Website https://sites.google.com/unizar.es/cloudam2025
Date December 1-4, 2025
Location Nantes (France)
Description New systems, methods, and approaches for cloud and edge computing, virtualization and (eScience) applications management are to be discussed at this workshop.
Speakers ● Paul Townend (Associate Professor @ UMU)
Aim The aim of the presentation "Power Aware Cluster Orchestration: Taxonomy, Initial Results, and Challenges" is to explain the work of COGNIT project and the challenges we have faced and tackled with the COGNIT platform

[WORKSHOP] COGNIT: A Cognitive Serverless Framework, four Use Cases, based on European open source technologies.
Website https://www.opensource-experience.com/en/event/