



June – October 2025



aeros-project.eu

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ISSUE HIGHLIGHTS

The 12th issue of aerOS newsletter presents the project activities during the period June – October 2025. This specific issue focuses on the last communication and dissemination activities of the project along with details about the project’s final event and the last Plenary Meeting.

aerOS activities:

- Communication and Dissemination Activities
- AIOTI DAYS 2025
- IoT Tech Expo 2025
- Standardization Continuation
- EuCNC & 6G Summit 2025
- aerOS Final Event
- EUCloudEdgeIoT Activities
- Submitted Deliverables
- aerOS Final Meeting



Communication & Dissemination Activities

- Discover all the latest publications and scientific outputs from the aerOS project here: <https://aeros-project.eu/dissemination/publications/>

Our work features research papers, technical reports, and conference contributions that highlight the project's innovations and key findings in edge–cloud orchestration, distributed intelligence, and IoT-enabled systems.

- Explore all the Workshops, Presentations, and Trials from the aerOS project.

Dive into a rich collection of activities that showcase aerOS work, from interactive workshops that fostered collaboration and knowledge exchange, to insightful presentations at major European events, and real-world trials demonstrating aerOS technologies in action.

Find all the related information here: <https://aeros-project.eu/dissemination/workshops-presentations-trials/>

- Discover the aerOS video collection at the official project YouTube Channel here: <https://www.youtube.com/@aeros-project>

Our videos showcase key milestones, live demonstrations, expert interviews, and event highlights that bring the aerOS to life. Experience how the project has progressed, enabling smarter, more connected, and intelligent digital ecosystems across Europe.

AIOTI DAYS 2025

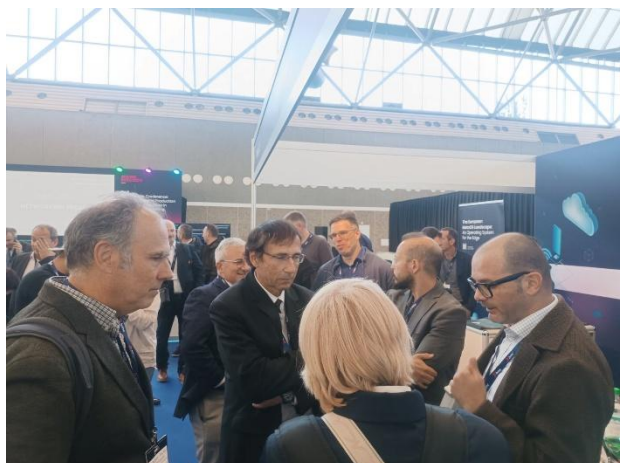
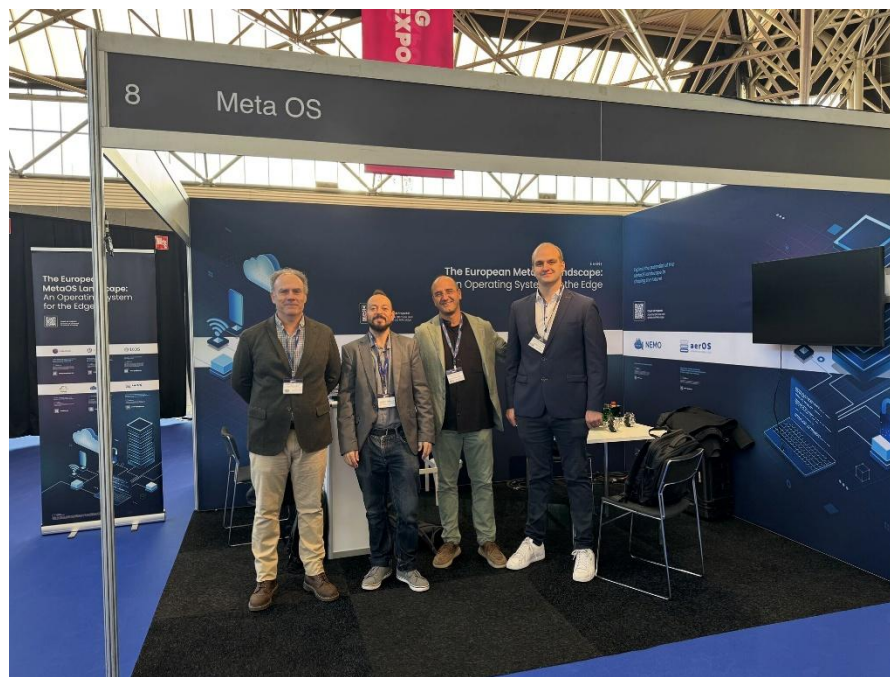
At Open-Source Community Day 2025 of the AIOTI Days 2025, aerOS project demonstrated how open-source technologies are driving the future of computing. Represented by Rafael Vaño Garcia during, aerOS showcased its innovative Meta Operating System, which seamlessly spans the entire spectrum from IoT and edge to cloud computing. The presentation highlighted how aerOS is shaping a more open, intelligent, and connected digital ecosystem across Europe.



IoT Tech Expo 2025

The IoT Tech Expo World Series 2025 in Amsterdam has recently taken place, bringing together over 8,000 attendees, 200+ speakers, and 200+ exhibitors for an inspiring exploration of IoT, edge computing, IIoT, and emerging technologies. Held in October 2025, the event served as a vibrant hub for innovation and collaboration.

The aerOS project proudly joined forces with metaOS projects, NEPHELE, NebulOuS, NEMO, ICOS, and FLUIDOS, showcasing the results of three years of joint research and development. At our shared booth, we demonstrated how aerOS is advancing edge-cloud orchestration, safe automation, and IoT-driven intelligence, while engaging with industry leaders and innovators who share our vision for the future of distributed computing.



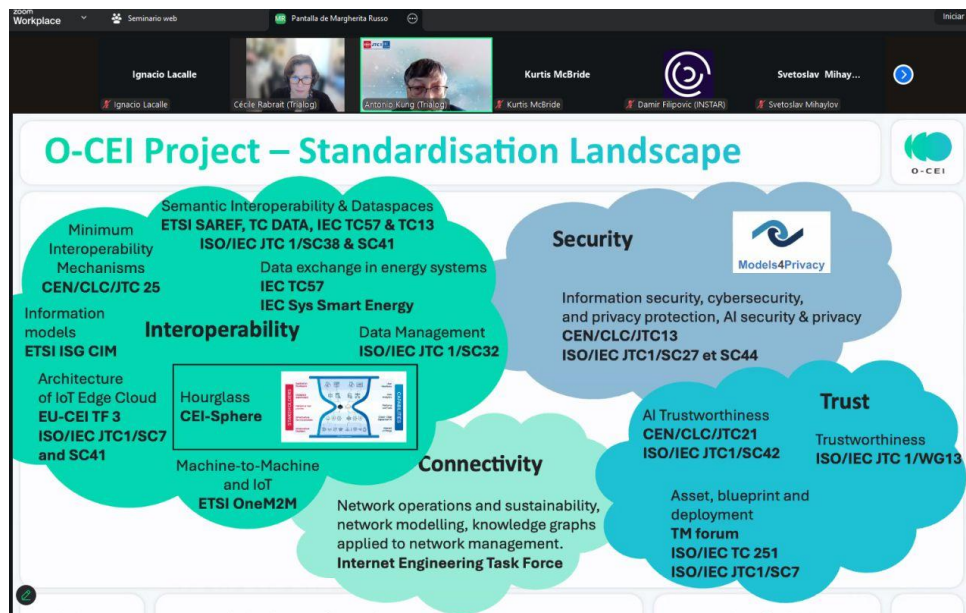
O-CEI Horizon Continues the Standardisation Legacy of the aerOS Project

We are proud to announce that, as of October 1st, O-CEI Horizon has officially taken over the outstanding standardisation work initiated by our Project. This effort will continue under the ongoing ISO/IEC JTC1/SC41 standardisation activities, with O-CEI Horizon leading the Preliminary Working Item JTC1-22 Architecture.

Several aerOS partners — including Universitat Politècnica de València (UPV), NCSR “DEMOKRITOS”, Innovalia Association, FIWARE Foundation, Telefónica Innovación Digital, have joined the O-CEI Horizon consortium. Their participation ensures continuity and strengthens our shared commitment to standardisation, interoperability, security, connectivity, and trust.

Today, during the final event of the aerOS project, our partners from Atos IT Solutions and Services Iberia, S.L. and Trialog will deliver a presentation on the ISO/IEC JTC 1/SC 41 Internet of Things and Digital Twin standard — further highlighting the collaborative spirit and shared vision between aerOS and O-CEI Horizon.

By building on the achievements of aerOS, O-CEI Horizon will continue to contribute to international alignment in IoT and Digital Twin technologies, paving the way for a more connected, secure, and interoperable digital ecosystem.



EuCNC & 6G Summit 2025

aerOS project was proudly represented at the EuCNC & 6G Summit 2025, showcasing its vision for a unified, intelligent meta operating system for the edge–cloud continuum. Visitors could also explore aerOS materials at the Smart Networks and Services (SNS) booth. During the event, Harilaos Koumaras, the project’s Technical Manager, presented the concept and key objectives of aerOS, highlighting its role in advancing seamless orchestration, automation, and intelligence across distributed computing environments.



aerOS Final Event

aerOS Final Event took place on 15 October 2025 at the Ciutat Politècnica de la Innovació (CPI), Universitat Politècnica de València (UPV), marking the culmination of years of innovation and collaboration. The event brought together experts from research and industry to showcase how aerOS is transforming edge-to-cloud computing. Participants enjoyed inspiring keynotes, live demonstrations, and interactive Q&A sessions, highlighting the project's achievements and its lasting impact on building a smarter, more connected digital future.



EUCloudEdgeIoT news digest issues

- June 2025:
<https://preview.mailerlite.io/preview/185345/emails/155105146342213109>
- July 2025:
<https://preview.mailerlite.io/preview/185345/emails/161341771384620127>
- September 2025:
<https://preview.mailerlite.io/preview/185345/emails/166969988369876853>
- October 2025:
<https://preview.mailerlite.io/preview/185345/emails/169053468763358216>



Submitted Deliverables

D5.4 Use cases deployment and implementation (2) [M33] – Documents the pilots and integrated third parties, addressing the proposed use cases and scenarios

D5.6 Technical evaluation, validation and assessment report (2) [M36] – Provides the validation and assessment findings from a technical perspective, covering integration, testing and trial activities.

D6.3 Final report on impact activities [M36] – Final report on the communication, dissemination showcasing/demonstration, standardization, exploitation, IPR and innovation activities as well as on business models, market analysis and operations/value activities during the second period of the project.

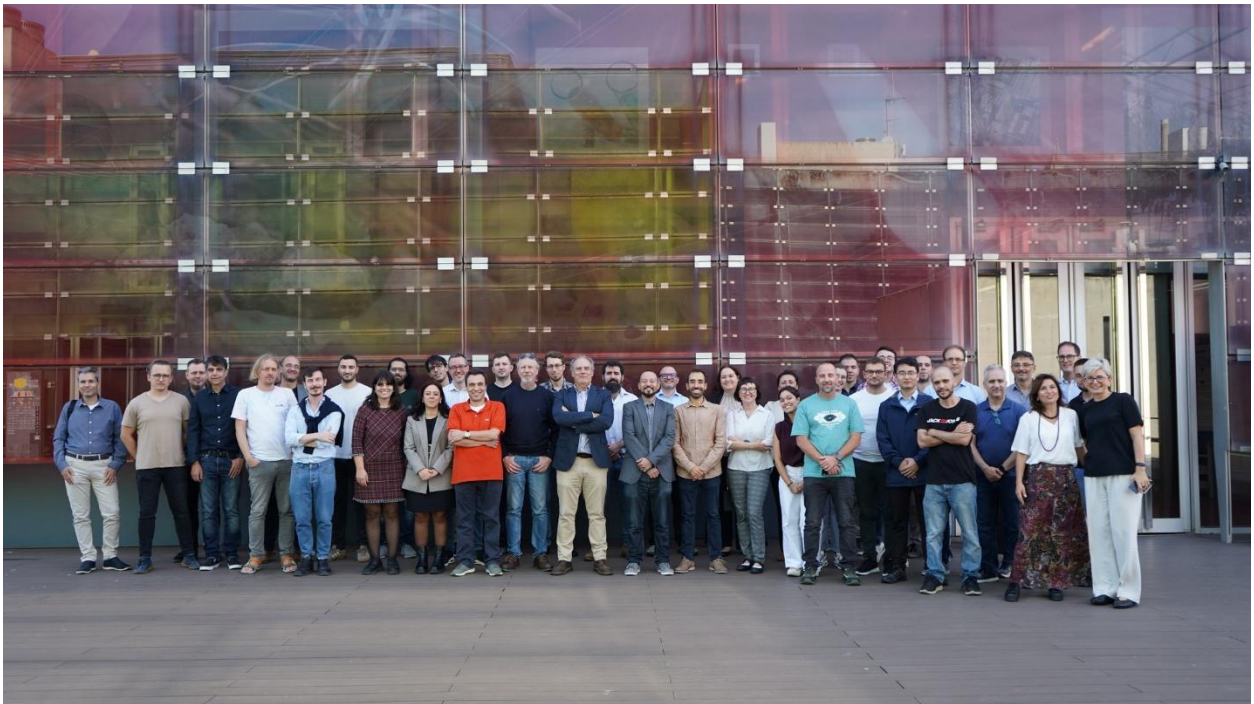


All public aerOS deliverables are available for downloading
at aerOS website: <https://aeros-project.eu/dissemination/deliverables/>



aerOS 8th Plenary Meeting

The aerOS consortium recently held its Final Plenary Meeting (15 & 16 October 2025) in UPV premises, marking the successful conclusion of an ambitious collaboration. Over the past years, the project united leading partners across Europe to design and implement a unified, open, and intelligent meta operating system for the edge–cloud continuum. During this closing meeting, partners reflected on key achievements, shared final results, and explored opportunities to extend the impact of aerOS innovations. The event celebrated not only the project’s technical milestones but also the strong spirit of collaboration and shared vision that defined the aerOS journey.



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Call: WORLD LEADING DATA AND COMPUTING TECHNOLOGIES 2021

Topic: HE-CL4-2021-DATA-01-05

Type of Action: RIA

Duration: 36 Months

Start Date: 1 September 2022