



ASSIST-IoT H2020 Project

Final Newsletter

November 2023 – March 2024



www.assist-iot.eu



ISSUE HIGHLIGHTS

The final ASSIST-IoT newsletter presents the project activities throughout November 2023 – March 2024 period. This issue focuses on the communication and the dissemination activities of the period, Final Event of the project, the last YouTube videos, and the final Plenary Meeting.

ASSIST-IoT trimester activities:

- 3 Publications
- 1 Online Article
- 1 Presentation
- SME Brochure 2023
- ASSIST-IoT Recent Videos
- ASSIST-IoT Final Validation Activities
- ASSIST-IoT Final Event
- 5 Submitted Deliverables
- Final Plenary meeting



Inside This Issue

1. Issue Highlights
2. Communication & Dissemination Activities
3. Deliverables
4. Final Event and Plenary Meeting



The research conducted under ASSIST-IoT project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 957258



Communication and Dissemination Activities

Publications - Articles

ASSIST-IoT project's journal paper entitled "Integration of Active Clothing with a Personal Cooling System within the NGIoT Architecture for the Improved Comfort of Construction Workers" is now available! The paper was submitted at the "Applied Sciences" journal, Volume 14, Issue 2. Find more information available here: <https://www.mdpi.com/2076-3417/14/2/586>

The ASSIST-IoT journal paper entitled "In-cabin and outdoor environmental monitoring in vehicular scenarios with distributed computing", is now available! The paper has been accepted in the context of ELSEVIER Internet of Things Magazine. Find out more here:

<https://www.sciencedirect.com/science/article/pii/S2542660523003323>

The ASSIST-IoT conference paper entitled "Monitoring of NOx sensor drift in automotive fleets in a cloud/edge framework" is now available! The paper was accepted in the context of 2nd World Congress of the International Federation of Automatic Control, Yokohama, Japan. Find more information here: <https://www.sciencedirect.com/science/article/pii/S2405896323016750>

ASSIST-IoT project is featured in the "Communication in the Horizon context" article published at the EUCloudEdgeIoT platform. The article is presenting how our communication partner, INFOLYSiS, is promoting and communicating the project's outcomes in the Horizon context. Find it online here: <https://eucloudedgeiot.eu/communication-horizon-context/>

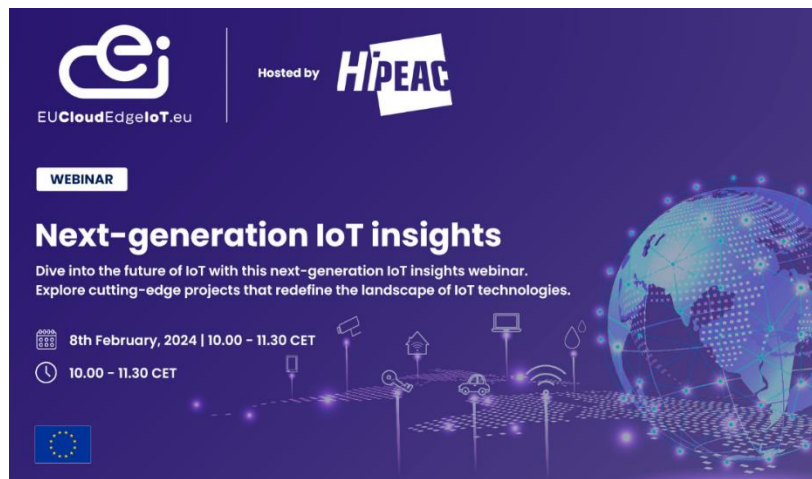


"Next-generation IoT insights" webinar

Alejandro Fornés Leal from Universitat Politècnica de València UPV presented on February 8th the ASSIST-IoT concept and outcomes during the "Next-generation IoT insights" webinar by EUCloudEdgeIoT. You may find the video from the event here: <https://www.youtube.com/watch?v=p6IXJHD5bjE>

This webinar explored cutting-edge projects that redefined the landscape of IoT technologies. From open, decentralized reference architectures to smart networking and data management solutions, witness the transformative potential of these initiatives across sectors such as agriculture, healthcare, and energy.

This webinar featured presentations by the following projects in the Horizon 2020 ICT-56 group: ASSIST-IoT, INGENIOUS, TERMINET, INTELLIOT and VEDLIOT.



SME Brochure 2023

The latest SME brochure by SME Working Group is out! The brochure showcases the skills, expertise and experience of the SME Working group members in different domains, as well as their achievements. The ASSIST-IoT project is represented in the SME brochure by INFOLYSIS. You may find the brochure online here: <https://bscw.snsju.eu/pub/bscw.cgi/d111258/sme-brochure-02-2024.pdf>

SUCCESS STORY INFOLYSIS

**INFO
LYSiS**

INFOLYSIS is a pioneering Greek SME headquartered in the vibrant city of Athens, Greece.

With a highly talented team of 16 dedicated professionals, INFOLYSIS has cultivated a deep understanding of the ever-evolving chatbot landscapes, specialising in the innovative design and development of cutting-edge chatbot applications for several key industries.

Our comprehensive range of chatbot solutions encompasses: anonymous feedback systems, complaints management platforms, surveys, contests, training modules, and more. Through these diverse offerings, we aim to revolutionise customer engagement and streamline business operations for enterprises across various sectors. INFOLYSIS has robust commercial presence in the fields of retailing, marketing, tourism, education, and maritime, we consistently deliver tailor-made solutions to cater to the unique demands of each sector.

Beyond our outstanding commercial endeavours, INFOLYSIS maintains a keen focus on research and development, especially in the realm of ICT. Our research interests encompass the dynamic ICT ecosystem, 5G/6G technologies, and the Internet of Things (IoT). Through these explorations, we aim to stay at the forefront of technological advancements and continuously innovate our offerings. Since all these years INFOLYSIS has been involved and is actively involved in several EU-funded research projects and open calls.

**EUROPEAN SME EXPERTISE
IN 5G AND BEYOND
2023**

INFOLYSIS P.C.

- YEAR ESTABLISHED: 2017
- NUMBER OF EMPLOYEES: 17
- MORE INFORMATION: www.infolysis.gr
- CONTACT: research@infolysis.gr

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ASSIST-IoT Recent Videos

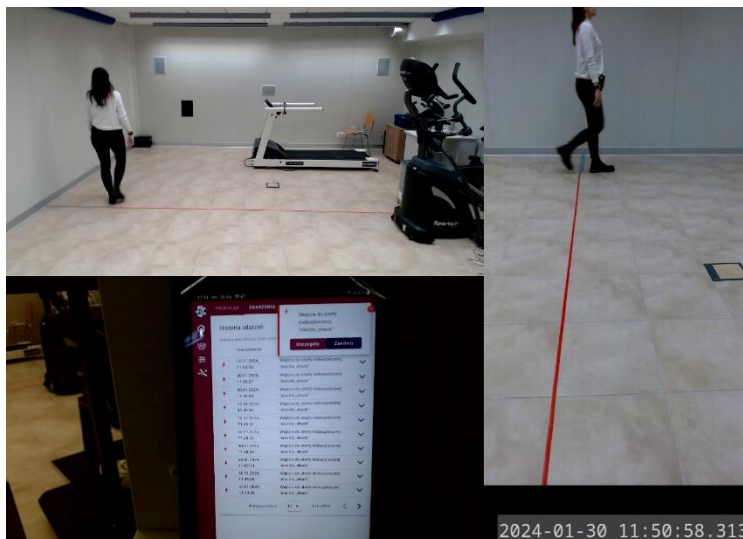
The ASSIST-IoT consortium had a highly active trimester focused on producing numerous videos, as demos, trials, tutorials, all of which can now be found on the ASSIST-IoT YouTube channel. Namely:

- ASSIST-IoT Performance and Usage Diagnosis (PUD) Enabler:
<https://www.youtube.com/watch?v=fe4j-m1BY2A&t=7s>
- ASSIST-IoT IdM enabler and AuthzServer enabler: Authentication and Authorization Tools:
https://www.youtube.com/watch?v=BEV_4Yz_GmE
- ASSIST-IoT Cybersecurity Monitoring Enabler: Cybersecurity Incident Detection Tool:
https://www.youtube.com/watch?v=URiJ_M15JZg&t=7s
- ASSIST-IoT Mixed Reality (MR) enabler:
https://www.youtube.com/watch?v=cNWf4HbDq_k
- ASSIST-IoT Semantic Annotation Enabler and Semantic Translation Enabler:
<https://www.youtube.com/watch?v=Ek48F3J-pIQ&t=17s>
- ASSIST-IoT Auto-configurable Network Enabler:
<https://www.youtube.com/watch?v=MZmX1bvWg3I&t=9s>
- ASSIST-IoT Federated Learning System: A collaborative training without compromising private datasets:
https://www.youtube.com/watch?v=9k1Okt7_Tg&t=57s
- ASSIST-IoT GWEN BOARD:
<https://www.youtube.com/watch?v=ucv67wFJaFg&t=165s>
- ASSIST-IoT DLT enablers:
<https://www.youtube.com/watch?v=steqz7ZReNM&t=3s>
- ASSIST-IoT Pilot 1 - Port Automation Pilot:
<https://www.youtube.com/watch?v=sl3po9R1DB8&t=9s>
- ASSIST IoT Pilot 3a - Automotive Pilot Video:
https://www.youtube.com/watch?v=WMqyxy_rlpE&t=1s



ASSIST-IoT Validation Activities

ASSIST-IoT partners have completed the final validation activities of the Smart Safety of Workers pilot on February 12th 2024. After trials on the construction site, these tests investigated in detail system response times, reliability of fall detection, and the influence of the MR application on the cognitive abilities of workers. All tests were successful. The tests were conducted by ASSIST-IoT partners: Centralny Instytut Ochrony Pracy - Państwowy Instytut Badawczy, SRIPAS, Mostostal Warszawa SA



ASSIST-IoT Final Event

The final event of our project took place on March 21st 2024 at the Universitat Politècnica de València (UPV) premises. The event focused on the achievements of the project, including the platform features and its use in the different scenarios of our pilots, as well as the related strategic and commercial aspects. Our Project Coordinator and our Technical Manager gave overview presentations on the related topics, addressing the audience about the progress made and the results achieved. The final event of our project included also a panel session entitled "Lessons learnt and future of IoT edge cloud computing ecosystems". You may find more information here: <https://assist-iot.eu/2024/04/01/assist-iot-final-event/>



Final Submitted Deliverables

D7.4 Pilot Scenario Implementation – Final Version [M41] – This deliverable will document the three pilots and integrated third parties, addressing the proposed use cases and scenarios.

D8.3 Final Evaluation Report [M41] – The deliverable will provide the assessment findings covering: pilots, impact usability and process evaluation. Verifying project objectives achievement, and how they were achieved (process evaluation).

D9.4 Report on Contribution to Standardisation and International Fora –Final [M41] – Report on actions undertaken by the Consortium, standardization activities and contributions to various international fora.

D9.7 Business Models and Marketing Operations – Final [M41] – Compiles results of market analysis, implications (e.g., financial industrial/manufacturing, regulatory, environmental socioeconomic aspects) and business models to adopt by partners for ASSIST-IoT.

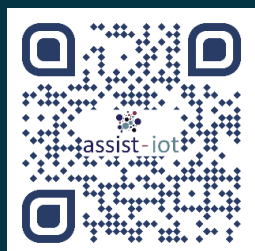
D9.8 Final Report on Impact Creation [M41] – Report on the achievements of the action in terms of communication, showcasing, dissemination and exploitation.



Find all the submitted deliverables, at our website here: <https://assist-iot.eu/deliverables/>

Final ASSIST-IoT Plenary Meeting

After the final event of the project, partners convened (March 22nd and 23rd) once more in person at the UPV premises for a collaborative meeting, gathering to meticulously review and fine-tune the last intricacies of the project's completion.



Communication Channels



www.assist-iot.eu
info@assist-iot.eu



Call: H2020-ICT-2020-1
Topic: ICT-56-2020
Type of Action: RIA
Duration: 41 Months
Start Date: 1 November 2020