ASSIST-IoT H2020 Project

Newsletter Issue 5

November 2021-January 2022

ISSUE HIGHLIGHTS

The fifth issue of ASSIST-IoT newsletter presents the project activities during November 2021- January 2022 period. This specific issue focuses on the ASSIST-IoT Open Call, the communication and the dissemination activities of the project, the project deliverables (recent and upcoming) and the interaction with the NGIoT association

ASSIST-IoT trimester activities in numbers:

- ➢ **ASSIST-IoT Open Call Presentation**
- ➢ **2 EU-IoT White papers**
- ➢ **1 Technical Report**
- ➢ **1 Call for Papers**
- ➢ **1 Press Release**
- ➢ **1 Joint Workshop**
- ➢ **4 Presentations**
- ➢ **5 NGIoT Activities**
- ➢ **1 Submitted Deliverable**
- ➢ **13 Upcoming Deliverables**
- ➢ **ASSIST-IoT Open Call In EU Portal**

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Newsletter

ASSIST-IoT Open Call

The 1st ASSIST-IoT Open Call was officially started on the 1st of November! The ASSIST-IoT project has reserved part of the project budget to fund specific activities in order to enhance and improve IoT features and applications and boost the NGIoT community across Europe. Third parties are expected to attend and carry out relevant actions during the project's life cycle.

ASSIST-IoT 1st Open Call in a nutshell

Project: ASSIST-IoT (EU H2020 ICT-56-2020)

Total Open Calls budget: € 900'000.00 (for both Open Calls)

A maximum of 7 projects are expected to be selected and funded during first Open Call

Project budget range: € 60'000.00 maximum
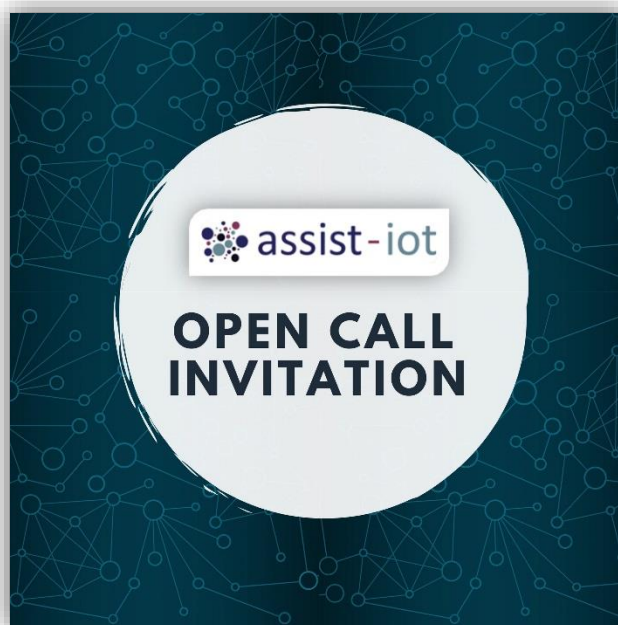
Opening date: 1st November 2021

Closing date: 28th February 2022 at 17:00 CET

Results will be announced: 19th May 2022

Contact person: Ignacio Lacalle Úbeda (Universitat Politècnica de València – UPV)

Email: iglaub@upv.es; info@assist-iot.eu opencall-assist-iot-eu@assist-iot.eu

More info at the ASSIST-IoT website OC page: https://assist-iot.eu/open-call-1/

Communication and Dissemination Activities

EU – IoT White Papers

The **EU-IoT White paper** entitled **"A Vision on Smart, Decentralised Edge Computing Research Directions"** was released in November 2021. You may also find information about ASSIST-IoT project in page 15 of the document. The white paper is available online here: https://www.ngiot.eu/download/a-vision-on-smart-decentralised-edge-computing-research-directions

The Next Generation Internet of Things - NGIoT released the **white paper** entitled **"The Internet-of-Things Open Source Ecosystem in 2021"**. You may also find information about ASSIST-IoT project in page 19 of the document. The white paper is available online here: https://www.ngiot.eu/download/the-internet-of-things-open-source-ecosystem-in-2021/
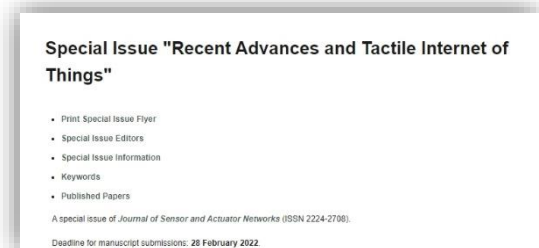
Technical Report #7

ASSIST-IoT Technical Report #7, entitled "**Exploiting Mixed Reality in a Next-Generation IoT ecosystem of a construction site**" was published by Tina Katika, Fotios K. Konstantinidis, Thomas Papaioannou, Aris Dadoukis, Spyridon Nektarios Bolierakis, Georgios Tsimiklis, Angelos Amditis, and is available at https://assist-iot.eu/publications/.

Calls for Papers

A special issue is currently being organised by ASSIST-IoT project in **MDPI Journal of Sensor and Actuator Networks (JSAN)** entitled *"Recent Advances and Tactile Internet of Things"* (ISSN 2224-2708). **Call for papers' deadline:** 28 February 2022.
You may learn more information about this issue and CfP at: https://www.mdpi.com/journal/jsan/special_issues/TIoT?fbclid=IwAR0SOX3yP0wzKjQTy_Ba5dowRY6Ykn3cHJZteug4NvAbdCKGm06zdedo1F8

Press Release

ICSS, ASSIST-IoT partner, issued a **press release** sharing details of ASSIST-IoT project and information about their role in the consortium. You may access it online here: https://i-sense.iccs.gr/projects/assist-iot/
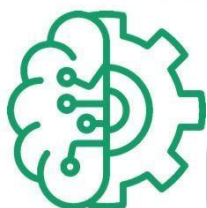
ASSIST-IoT ResearchGate Account

ASSIST-IoT project is available in **ResearchGate platform**! Find us and read all our publications. You may learn more here: https://www.researchgate.net/project/ASSIST-IoT

BRAINE and ASSIST-IoT joint workshop

ASSIST-IoT and BRAINE projects organized an online one-hour workshop for BRAINE consortium members and stakeholders on Friday 14th January 2022. The scope of the workshop was the presentation of the ASSIST-IoT project and its Open Call details to interested stakeholders for establishing potential synergies and cooperation through the Open Call proposals.
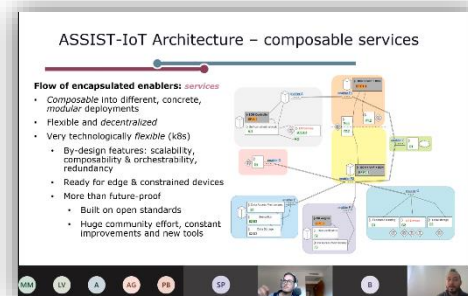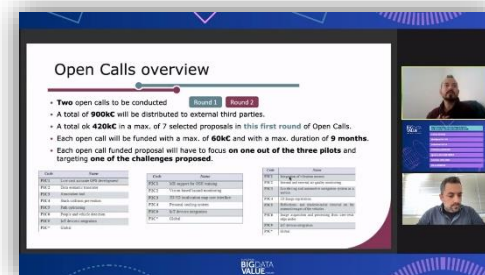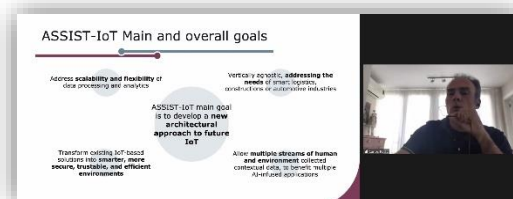
Presentations

ASSIST-IoT project coordinator, Prof. Carlos Palau, took part and presented the ASSIST-IoT architecture in the **EU-IoT Training Workshops Series: Next Generation IoT Architectures** on November 9th, 2021. Prof Carlos Palau shared details about the architecture, the pilots and the **1st Open Call of the project**. You may learn more here: https://www.ngiot.eu/event/eu-iot-training-workshops-series-next-generation-iot-architectures/?instance_id=188

ASSIST-IoT partner Mr. Wiesław Pawłowski from SRIPAS (and University of Gdańsk) gave a **keynote ASSIST-IoT presentation** entitled **"Interoperability in IoT ecosystems" at 5th IEEE International Conference on Distributed Computing**, VLSI, Electrical Circuits and Robotics (2021 IEEE DISCOVER), on the 20th of November 2021.

ASSIST -IoT partner Ignacio Lacalle Úbeda (UPV), took part and presented **ASSIST-IoT scope and open call in the Edge Computing - the convergence point in the human-cloud continuum framework"** session of **European Big Data Value Forum 2021**. The event took place on 1st of December 2021. You may learn more here: https://european-big-data-value-forum.eu/

Ignacio Lacalle Úbeda (UPV) presented the **ASSIST-IoT project and the ASSIST-IoT Open Call details** at the **ASSIST-IoT and BRAINE joint workshop**, which took place on January 14th, 2022. The project overview and the open call process were presented in detail to the BRAINE project consortium and related stakeholders.

ASSIST-IoT and NGIoT Activities

NGIoT newsflash Issues:

➢ November 2021: https://mailchi.mp/0c511056ea51/ngiot-newsflash-november2021
➢ November 2021 papers: https://mailchi.mp/8e234410aaf6/ngiot-newsflash-november2021papers

NGIoT Newsletter Issues:

➢ December 2021: https://mailchi.mp/44043a13d4ff/ngiot-newsletter-8

ASSIST-IoT Open Call webpage available on NGIoT website.
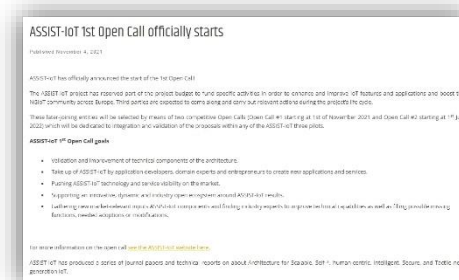You may access it and read all related information here:
https://www.ngiot.eu/event/assist-iot-open-calls/?instance_id=173

The ASSIST-IoT 1st Open Call initiation was officially announced through an online article on the **NGIoT website**. You may access and read all relevant to the Open call details here: https://www.ngiot.eu/assist-iot-open-call-starts-1-november/

Next Generation IoT Skills Surveys

NGIoT designed four surveys which aim at identifying the most important and high in-demand technical, development, management and other soft skills for **Internet of Things (IoT) professionals, for users of industrial IoT systems** (including Operator 4.0 skills). You may find more information here: https://www.ngiot.eu/next-generation-iot-skills-surveys/

ASSIST-IoT

Submitted Deliverables

D3.6 ASSIST-IoT Architecture Definition – Intermediate [M15] – Intermediate specifications of the ASSIST-IoT technical architecture and its components

Upcoming Deliverables

D2.4 Ethics and Privacy Protection Manual v2 [M18] – The deliverable will formally specify ways in which conformance with ethical and legal guidelines will be ensured, in line with pertinent EU (and local) documents.

D2.6 Risk Management v2 [M18] – The deliverable will include the risk policy, forecasted and detected risks and the mitigation measures, including ethical and legal risks.

D2.9 Advisory Board Minutes – Second Meeting [M18] - Minutes and report of the second meeting with the Advisory Board.

D3.3 Use Cases Manual & Requirements and Business analysis – Final [M18] – Use Cases Manual & requirements and Business Analysis

D4.2 Core Enablers Specification and Implementation [M18] – Intermediate specification and first version of implementation of components of horizontal planes.

D5.3 Traversal Enablers Development Intermediate Version [M18] – Intermediate software version

D6.2 Testing and Integration Plan – Initial [M18] – Includes testing plan, to be followed for all components belonging. The initial release will outline the initial plan, while second version will include plan update and results.

D6.4 Release and Distribution Plan – Initial [M18] – Software and documentation release and distribution plan to be followed for all components. First re;ease will provide the plan while second version plan update and results.
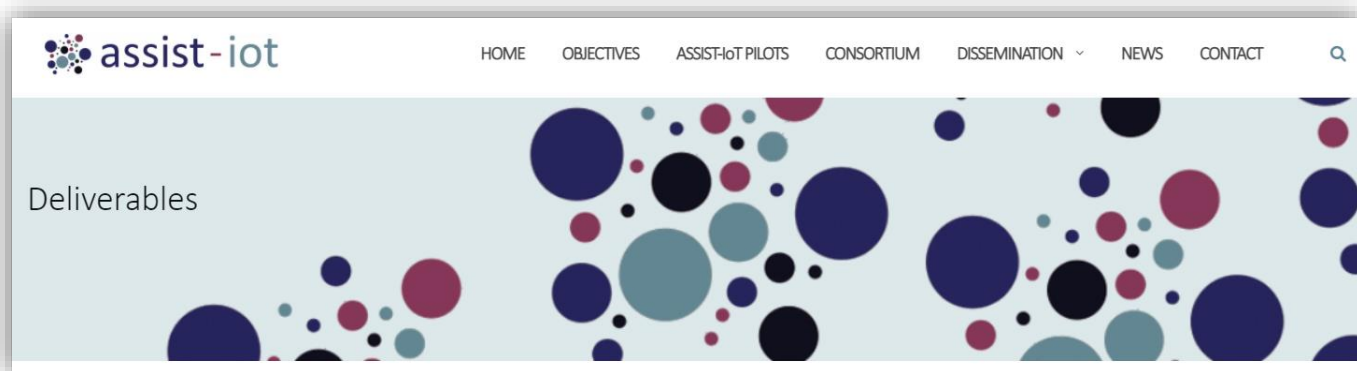
D6.5 Technical and Support Documentation – Initial [M18] – Includes initial versions of all technical and supporting documentation of components developed in WP3 and WP4.

D8.1 Evaluation Plan [M18] - Reference document concerning all evaluation aactivities within action; describing in detail how/when/who will accomplish them (KPIs/data gathering methods/time-plan/partners).

D9.3 Report on Contribution to Standardisation and International Fora – Initial [M18] – Report on actions undertaken by Consortium, standardization activities and contributions to various international fora

D9.5 Report on Impact Creation Achievements and Plan for the Second Period [M18] – Summarises activities of the first half of the project's duration and summarises the revised plan for communication, showcasing, dissemination and exploitation.

D9.6 Business Models and Marketing Operations – Initial [M18] – Compiles results of market analysis, implications (e.g., financial, industrial, regulatory, environmental, socioeconomic aspects) and business models to adopt by partners for ASSIST-IoT.

ASSIST-IoT public deliverables are available for downloading

at ASSIST-IoT website: https://assist-iot.eu/deliverables/

ASSIST-Io T Open Call in the EU Portal

The **ASSIST-IoT Open Call** was **announced in the Funding & tender opportunities webpage of European Commission portal**. In this section any interested stakeholder has the chance to find information about ongoing and past **funding opportunities of projects around Europe.** Especially, concerning the ASSIST-IoT Open call there is information related to the **submission & evaluation process, task descriptions. eligibility requirements and general information.** You may access it and learn all related information about our OpenCall here:

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/competitive-calls

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ASSIST-IoT Open Call #1
Deadline: 28 February 2022

open ⌄

Project full name: Architecture for Scalable, Self-*, human-centric, Intelligent, Secure, and Tactile next generation IoT
Project acronym: ASSIST-IoT
Grant agreement number: 957258
Publication Date: 1 November 2021
Deadline: 28 February 2022, at 17.00 (CET - Brussels time)
Expected duration of participation: 9 months
Total EU funding available: €420 000 (€60 000 per proposal - max)

Submission & evaluation process:

Submission:
The application must be done via visiting the form, fulfilling mandatory fields and properly submitting the Proposal using the Proposal Template.
The submission will be open and available to receive proposals from 1 November 2021 to 28 February 2022, 17:00 CET. Incomplete proposals will not be evaluated. Notifications on funding or rejections will be sent out to applicants, together with any feedback, by 19 May 2022.

Evaluation process:
Every proposal will go through a transparent evaluation process carried out by two external experts and an observer to guarantee impartiality. Proposals will be scored up to 25 points based on the criteria: (i) Relevance to ASSIST-IoT, (ii) Impact and sustainability, (iii) Technical Excellence, (iv) Quality of Implementation and (v) Quality of Team. All proposals will receive an evaluation report (ESR) attached to the letter of acceptance/rejection.

Further information:
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Website: https://assist-iot.eu/open-call-1/
Guide for applicants