

# ASSIST-IoT H2020 Project

*Newsletter Issue 4*

*August-October 2021*



[www.assist-iot.eu](http://www.assist-iot.eu)



European  
Commission

Horizon 2020  
European Union funding  
for Research & Innovation

## Inside This Issue

1. Issue Highlights
2. 1<sup>st</sup> Open Call
3. Communication &  
Dissemination Activities
4. NGIoT Activities
5. Collaborations
6. Submitted Deliverables
7. Upcoming Deliverables
8. 3<sup>rd</sup> GA Plenary Meeting

## ISSUE HIGHLIGHTS

The fourth issue of ASSIST-IoT newsletter presents the project activities during August-October 2021 period. This specific issue focuses on the ASSIST-IoT 1<sup>st</sup> Open Call, 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:

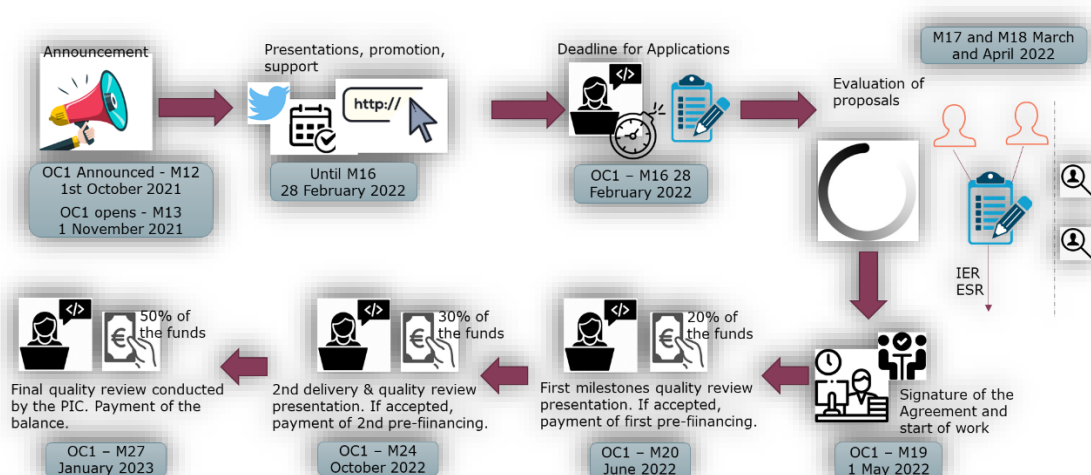
- ASSIST-IoT 1<sup>st</sup> Open Call
- 1 Journal Paper
- 1 Technical Report
- 1 Call for Papers
- 3 Presentations
- 3 NGIoT Activities
- 1 Collaboration
- 3 Submitted Deliverables
- 1 Upcoming Deliverable
- 3<sup>rd</sup> GA Plenary Meeting



Newsletter

## ASSIST-IoT 1<sup>st</sup> Open Call

The 1st ASSIST-IoT Open Call was officially announced and 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. These later-joining entities will be selected by means of two competitive Open Calls (Open Call #1 started on the 1st of November 2021 & Open Call #2 will start on the 1st of July 2022) which will be dedicated to integration and validation of the proposals within any of the ASSIST-IoT three pilots. Open Call aims at funding **innovative proposals** that will **enhance ASSIST-IoT's objectives framed within one** (out of its three) **pilots**. In particular, Open Call proposals are expected to address **one specific challenge out of a list** of possible challenges formulated by each pilot.



### ASSIST-IoT 1st Open Call in a nutshell

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

1st Open Call budget: € 420'000 – A maximum of 7 projects are expected to be selected and funded

Project budget range: € 60'000.00 maximum

Opening date: 1st November 2021

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

Results announced: 19th May 2022

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

Website: <https://assist-iot.eu/open-call-1/>

Email: [iglaub@upv.es](mailto:iglaub@upv.es); [info@assist-iot.eu](mailto:info@assist-iot.eu)

Phone: +34963877000

Read all ASSIST-IoT 1<sup>st</sup> OC details at <https://assist-iot.eu/open-call-1/>

## Communication and Dissemination Activities

### Journal Paper

ASSIST-IoT partners, Óscar López, Jordi Blasi, Mikel Uriarte, Ignacio Lacalle, Gonzalo Galiana, Carlos E. Palau, Eduardo Garro, Maria Ganzha, Marcin Paprzycki, Piotr Lewandowski, Katarzyna Wasielewska, Konstantinos Votis, Georgios Stavropoulos, Iordanis Papoutsoglou, published an article entitled “*DevSecOps Methodology for NG-IoT Ecosystem Development Lifecycle – ASSIST-IoT perspective*”, at **Journal of Computer Science and Cybernetics**, 37(3):321-33, September 2021. You may access it online here: <https://vjs.ac.vn/index.php/jcc/issue/view/1226> & <https://doi.org/10.15625/1813-9663/37/3/16245>



### Technical Report

ASSIST-IoT Technical Report #6, entitled “*From OBD to Connected Diagnostics: A Game Changer at Fleet, Vehicle and Component Level*”, by: ASSIST-IoT partners C Guardiola, C Vigild, F de Smet and K Schusteritz was published and is available at: <https://assist-iot.eu/publications/>



### Calls for Papers

A special issue is currently 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](https://www.mdpi.com/journal/jsan/special_issues/TIoT?fbclid=IwAR0SOX3yP0wzKjQTy_Ba5dowRY6Ykn3cHJZteug4NvAbdCKGm06zdedo1F8)

#### Special Issue “Recent Advances and Tactile Internet of Things”

- Print Special Issue Flyer
- Special Issue Editors
- Special Issue Information
- Keywords
- Published Papers

A special issue of *Journal of Sensor and Actuator Networks* (ISSN 2224-2708).

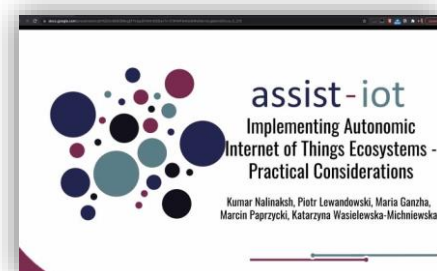
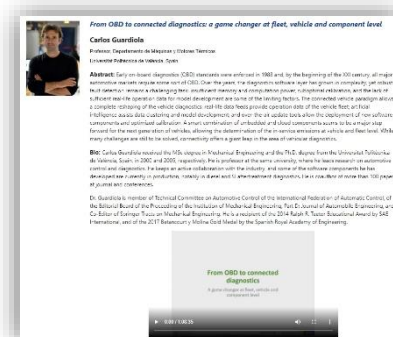
Deadline for manuscript submissions: 28 February 2022.

## Presentations

Carlos Guardiola (UPV) presented the ASSIST-IoT paper *“From OBD to Connected Diagnostics: A Game Changer at Fleet, Vehicle and Component Level”* at **6th IFAC Conference on Engine and Powertrain Control, Simulation and Modeling (E-COSM 2021)**, August 23-25, 2021, which took place in Tokyo, Japan. You may learn more and find a video of the presentation here: <http://shenlab.jp/ecosm2021/program/plenary-lectures.html>

ASSIST-IoT partner Piotr Lewandowski (SRIPAS) presented remotely the paper *“Implementing autonomic Internet of Things ecosystems – practical considerations”*, on Friday 17th September 2021, at the **16th International Conference on Parallel Computing Technologies (PaCT-2021)**, Kaliningrad, Russia. More information available here: <http://ssd.sccc.ru/conference/pact2021/>

ASSIST-IoT partner Anna Dabrowska (CIOP-PIB) presented *“From the diagnosis of OSH-related needs in the construction sector to Next Generation IoT architecture: Smart Safety of Workers and the ASSIST-IoT project”* in the context of **4th PEROSH Research Conference**, in Madrid. You may learn more about the





## ASSIST-IoT and NGIoT Activities

### NGIoT newsflash Issues:

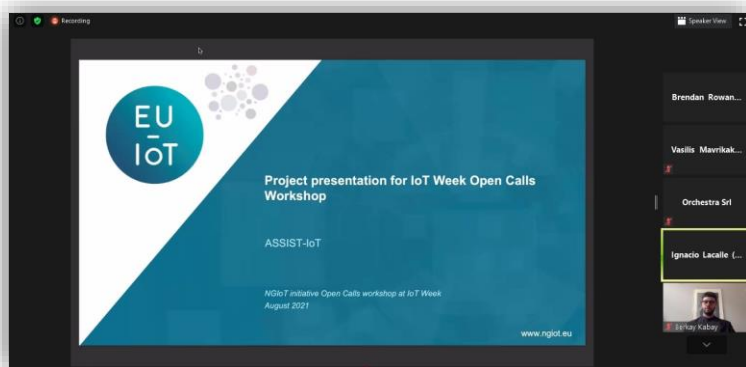
- August 2021: <https://mailchi.mp/3a13eb56c136/ngiot-newsflash2>
- August 2021: <https://mailchi.mp/e4453fea94ef/ngiot-newsflash3>
- September 2021: <https://mailchi.mp/34671d0575ac/ngiot-newsflash-september2021>
- October 2021: <https://mailchi.mp/4c8052d926c6/ngiot-newsflash-october2021>

ASSIST-IoT Open Call details are also 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](https://www.ngiot.eu/event/assist-iot-open-calls/?instance_id=173)

ASSIST-IoT partner Ignacio Lacalle Úbeda (UPV) made the first announcement and presented some initial details about ASSIST-IoT 1<sup>st</sup> Open Call during **IoTWeek 2021** (30 August 2021). Video from the presentation available by IoTWeek website [here](#) (presentation starts at 11:05)



## ASSIST-IoT Collaborations

ASSIST-IoT project is now member of FogGuru project. FogGuru contributes to the rapidly emerging domain of fog computing with technologies for managing application resources, middlewares for easing the development of innovative applications, and application blueprints, to demonstrate how these technologies can provide tangible benefits to the European citizens. You may learn more by visiting the FogGuru website here: <http://www.fogguru.eu/>

**fog:guru** FogGuru project  
Training the Next Generation of European Fog Computing Experts

Home Living Lab The LivingFog platform Meet the Gurus Publications About

**Research program**

FogGuru contributes to the rapidly emerging domain of fog computing with technologies for managing application resources, middlewares for easing the development of innovative applications, and application blueprints to demonstrate how these technologies can provide tangible benefits to the European citizens.

[Read More →](#)

**Hack the fog!**

**2020 - 2021 MARCH 2021 Hack the fog! HACKATHON**

Would you like to learn about a brand-new fog computing platform and prototype an innovative fog computing application? **Join us on March 26-28th 2021 for the FogGuru's hackathon** and use your programming skills to design the most innovative application and win one of three Picoclusters.

[Read more →](#)

**News**

**September 20th 2021:** Mulugeta Ayalew Taminu was the first FogGuru ESR to defend his PhD thesis at the University of Rennes 1. Congratulations, Mule, and we are looking forward to many more upcoming defenses by the other ESRs!

## *ASSIST-IoT*

### *Submitted Deliverables*

**D3.4 Legal and Regulatory Constraints Analysis and Specification [M12]** – Details of legal and regulatory constraints in different countries that have to be considered when designing ASSIST-IoT solutions.

**D5.2 Traversal Enablers Development Preliminary Version [M12]** – Preliminary software version on traversal enablers.

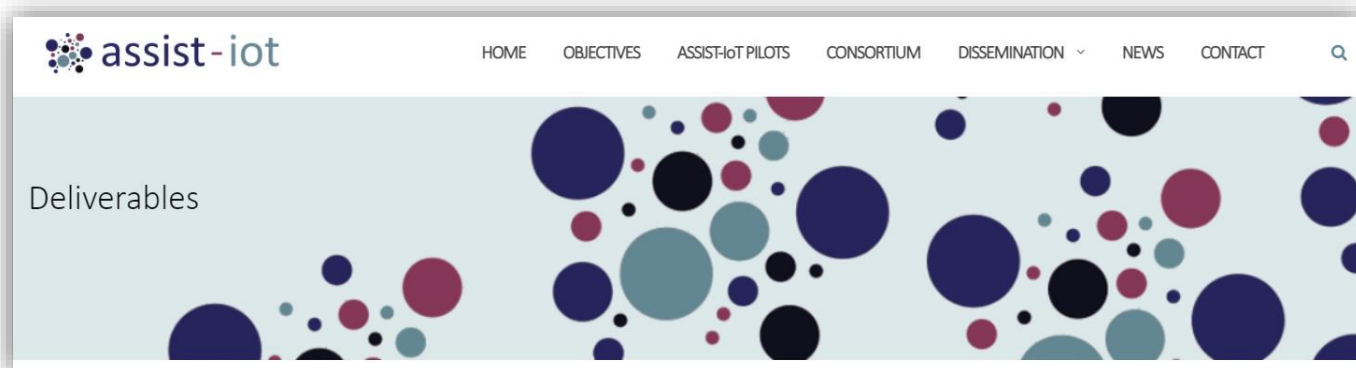
**D7.1 Deployment Plan and Operational Framework [M12]** – Will document plan of activities for deploying ASSIST-IoT in pilot sites, including technical, organizational and operational aspects.

### *Upcoming Deliverables*

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

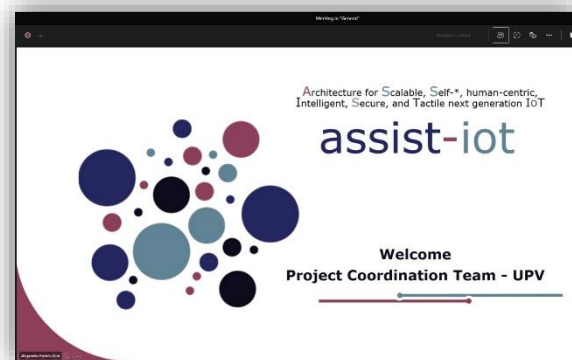
**ASSIST-IoT deliverables will be soon available for downloading**

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



## ASSIST-IoT 3<sup>rd</sup> GA Plenary Meeting

The **3<sup>rd</sup> ASSIST-IoT GA** plenary meeting took place virtually on 14-15 September 2021. Approximately 30 partners' representatives participated on this online GA meeting. The discussion was mainly focused on actions related to ASSIST-IoT work packages, tasks and pilots advances. A discussion about the ASSIST-IoT 1<sup>st</sup> Open Call details was also in place. Finally, all ongoing deliverables were presented and comments were made on their current status, as well as the next steps to be followed.



### Communication Channels


[www.assist-iot.eu](http://www.assist-iot.eu)
[info@assist-iot.eu](mailto:info@assist-iot.eu)


Call: H2020-ICT-2020-1

Topic: ICT-56-2020

Type of Action: RIA

Duration: 36 Months

Start Date: 1 November 2020