

ASSIST-IoT H2020 Project

Newsletter Issue 11

May – July 2023



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European
Commission

Horizon 2020
European Union funding
for Research & Innovation

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ISSUE HIGHLIGHTS

The eleventh issue of ASSIST-IoT newsletter presents the project activities throughout May - July 2023 period. This issue focuses on, the communication and the dissemination activities of the period, the TOC Conference, the EuCNC 2023, and the trials and testing activities in Poland.

ASSIST-IoT trimester activities:

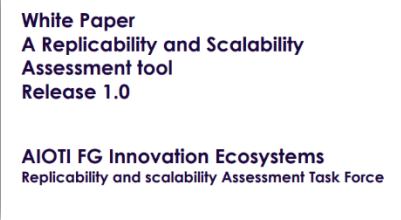
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Communication and Dissemination Activities

Publications

The ASSIST-IoT journal paper entitled “Frugal Heart Rate Correction Method for Scalable Health and Safety Monitoring in Construction Sites” by SRIPAS and CIOP-PIB partners. It has been published at Volume 23, Issue 14. The paper is available here: <https://www.mdpi.com/1424-8220/23/14/6464>. You may also find the dataset here: <https://zenodo.org/record/7963564>

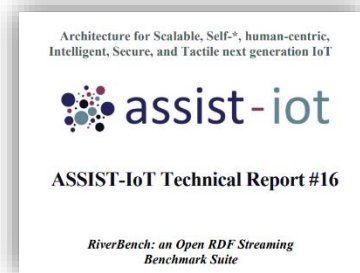
The latest AIOTI White Paper on "A Replicability and Scalability Assessment tool Release 1.0" is now available. This white paper is proposing a methodology as well as a tool (questionnaire) that allow an accurate study of use case/solution. It covers 5 dimensions that need to be addressed to qualify a result and it has been developed in cooperation with the Horizon Result Platform and the Horizon Result Booster projects with the objective to use it in other domains than IoT and Edge Computing. A questionnaire has been developed based on the topics identified for each dimension. This questionnaire will be used to define the replicability level of a specific solution. For each question a number of points is allocated, and the level will be defined according to a minimum number of points. Three levels have been pre-defined (High replicability, Medium replicability and Low replicability). They will be adjusted after running a specific pilot which will help to identify the relevant thresholds. You may find it online here: <https://aioti.eu/wp-content/uploads/2023/06/AIOTI-White-Paper-Replicability-and-Scalability-Assessment-Tool-R1-Final.pdf>



The ASSIST-IoT Technical Report #16 entitled “RiverBench: an Open RDF Streaming Benchmark Suite” is now available! Find more information here: <https://arxiv.org/abs/2305.06226>

Presentations

CIOP-PIB, IoT partner participated at ECPC conference in early May through a poster session and a presentation. The 10th European Conference on Protective Clothing took place on May 9 – May 12, 2023, Arnhem, The Netherlands. The aim of the conference is to promote research and cooperation in the area of personal protection. A functional and comfortable use of protective clothing is a key element for a successful implementation of preventive and protective measures in the workplaces.



TOC 2023 Conference

ASSIST-IoT project was present at TOC 2023 conference. TOC Europe is the AGM for port and cargo supply chain professionals where they can access C-level decision-makers and influencers, engineers, automation leads, digitalisation specialists and more, all hungry to discover the latest tech and supercharge their port operation strategies, all underneath one roof. ASSIST-IoT was represented by two different partners (Terminal Link and Prodevelop) and their respective booths.



EuCNC & 6G Summit 2023

ASSIST-IoT project was present at EuCNC & 6G Summit 2023, through INFOLYSiS partner. Material for our project was available at SNS booth. The 2023 EuCNC & 6G Summit built 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. The conference was sponsored by the IEEE Communications Society (ComSoc), the European Association for Signal Processing (EURASIP) and the European Association on Antennas and Propagation (EurAAP). It was focused on all aspects of telecommunications ranging from 5G deployment and mobile IoT to 6G exploration and future communications systems and networks, including experimentation, testbeds, applications and services.



Upcoming Deliverables

D2.12 Second Open Call Report [M39] – Complete report of all procedural/formal aspects of the second open call selection procedure.

D4.3 Final Core Enablers Specification and Implementation [M36] – Final specification and final version of implementation of components of horizontal planes.

D5.5 Traversal Enablers Development Final Version [M36] – Final software version.



ASSIST-IoT public deliverables are available for downloading
at ASSIST-IoT website: <https://assist-iot.eu/deliverables/>

ASSIST-IoT trials and tests

On June and July 2023, ASSIST-IoT partners performed trials and tests in the context of Pilot 2. In detail, ASSIST-IoT partners:

- tested the Mixed Reality interface, fall detection machine learning algorithms, worker's health monitoring, and the integrations with ASSIST-IoT enablers.
- ran validation tests of the smart safety of workers pilot for ASSIST-IoT Project. The tests took place on Mostostal Warszawa SA construction site of the University of Warsaw. Our pilot is focused on the improvement of workers' health and safety by providing a human centric NGIoT solution to effectively support #OSH management at the construction site.



Communication Channels



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Call: H2020-ICT-2020-1
Topic: ICT-56-2020
Type of Action: RIA
Duration: 36 Months
Start Date: 1 November 2020

