



SUSTAIN Deliverable

D10.1 – Report on Portfolio activities

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Action coordinator's scientific representative

Prof. Stephan Sigg
AALTO – KORKEAKOULUSÄÄTIÖ,
Aalto University School of Electrical Engineering, Department of Information and Communications Engineering
stephan.sigg@aalto.fi

Authors in alphabetical order		
Name	Beneficiary	e-mail
Martin Andraud	AALTO	martin.andraud@aalto.fi
Manel Gasulla	UPC	manel.gasulla@upc.edu
Giovanni Iacca	UNITN	giovanni.iacca@unitn.it
Nihan Kahraman	YTU	nicoskun@yildiz.edu.tr
Xujun Ma	IMT	xujun.ma@telecom-sudparis.eu
Stephan Sigg	AALTO	stephan.sigg@aalto.fi
Daqing Zhang	IMT	daqing.zhang@it-sudparis.eu

Abstract
<p>The of WP10 is to strengthen the prospects for successful project completion and performing the initial steps of transition towards market by developing synergies and collaborations among the projects funded under the 2021 EIC Pathfinder challenge call Awareness Inside, steered by the Programme Manager (PM) in charge of the portfolio of projects (Portfolio) generated by the call.</p> <p>This report will present the collaboration activities that have been carried out in each reporting period and contain relevant materials (e.g., power point presentations, minutes of the meetings, etc.). It also explains how the Portfolio activities and the EIC proactive project management approach contribute to the achievement of the project objectives and help the transition to market. A report will be submitted at the end of each reporting period and will be assessed in the context of the project's review.</p>

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1 Portfolio activities

Through portfolio activities, collaboration with other projects funded under 2021 EIC Pathfinder challenge call Awareness Inside to cross-catalyse the research within the Portfolio to overcome shared challenges and to increase impact in the scientific community. This Task relies on regular meetings and exchanges between the projects from the Portfolio to seek collaborations and exchange of information towards achieving the Portfolio objectives and overcoming shared hurdles. The SUSTAIN project partners have actively participated in all portfolio activities that have been organized thus far.

Administration Stephan Sigg has participated in the Awareness Inside Portfolio Kick-off activities in Brussels where he has also presented the approach of SUST(AI)N to other participating projects.

1st ethics workshop A first Ethics workshop has been organized in Brussels with representatives from each project, on September 20th, 2023. Martin Andraud has participated in the workshop and has also been appointed as a first vice-chair for this working group (for the first year).

Joint publication Members of the SUST(AI)N consortium have contributed to joint publications in the frame of portfolio activities [1].

Portfolio meeting at ECAI 2023 Stephan Sigg and Xujun Ma have participated in the meeting

Portfolio meeting at ECAI 2024 Stephan Sigg has participated in the meeting

2nd ethics workshop Stephan Sigg will participate in the 2nd edition of the Awareness Inside Ethics Workshop coming up on November 11th

2 Working Group Participation

SUSTAIN partners are active in all working groups as described below. We also list activities that fall under the theme of the working groups even when they are not particularly announced as portfolio activities by one of the projects.

2.1 WG1: Scientific and technological development and cooperation

University of Trento and Universitat Politècnica de Catalunya participating in this working group, specifically Prof. Giovanni Iacca, UNITN, and Prof. Manel Gasulla, UPC.

2.2 WG2: Innovation and exploitation

Nihan Kahraman from YTU joined ADRA (AI, Data and Robotics Association) and also she joined the COST Action CA21102 - Toolkit of Care (TOC).

2.3 WG3: Ethics and trustworthy AI/regulatory framework

In the context of the AI awareness EU call, from which the SUST(AI)N project is part of, an Ethics working group has been set up, with representatives from each accepted projects. Martin Andraud (Aalto) is the representative for SUST(AI)N. The main objective of the working group is to think about Ethics issues related to their respective projects, and provide a proposal to address these issues towards the end of the projects. Towards this goal, a first Ethics workshop has been organized in Brussels with

representatives from each project, on September 20th, 2023. Several speakers were invited to talk about ethical questions related to AI and science. In addition, various group discussions were organized, starting the discussion around how each project should assess their ethical issues, and how all projects will organize their contribution around ethics in the end of the funding period. The working group will further meet regularly to continue the discussion process and present their contribution to the EU. Martin Andraud has been appointed as a first vice-chair for this working group (for the first year).

2.4 WG4: Communication

Daqing Zhang, IMT, presented the advances of the computer science community in the areas of gesture and human activity recognition, in 2023 Joint IEEE SPS-AESS and EURASIP Summer School on Integrated Sensing and Communication. As the representative of computer science society, Daqing Zhang participated in the working group of integrated sensing and communication (ISAC) and shared his perspective in Wi-Fi sensing with other experts. Martin Andraud, Aalto, gave a keynote at the ITEM workshop (IoT, Edge, and Mobile for Embedded Machine Learning), held together with the European Conference on Machine-Learning (ECML-PKDD) held in Torino, Italy, on September 19th, 2023, about the possibilities offered by probabilistic reasoning on the edge. In his presentation, he highlighted the work carried out during the sustAIIn project on this topic, highlighting the first obtained results and the perspective for application scenarios offered by the project.

References

- [1] Cosimo Della Santina, Carlos Hernandez Corbato, Burak Sisman, Luis A Leiva, Ioannis Arapakis, Michalis Vakalellis, Jean Vanderdonckt, Luis Fernando D'Haro, Guido Manzi, Cristina Becchio, et al. Awareness in robotics: An early perspective from the viewpoint of the eic pathfinder challenge” awareness inside”. *arXiv preprint arXiv:2402.09030*, 2024.