



Trustworthy AI Tools for the Prediction of Obesity Related Vascular Diseases

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DELIVERABLE D7.5

INITIAL END-USER TUTORIALS AND WORKSHOPS

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EXECUTIVE SUMMARY

This deliverable describes the initial end-user workshop organised on 24 April 2024. In total, three workshops are planned, namely towards the end of year 1, midterm and towards the end of the project. End-users conformed by clinicians, citizens, patient representatives, AI developers and decision makers took part in the workshop, which was jointly organised with the first meeting of AI-POD's Stakeholder Board, to introduce the project and clinical need, and in order to familiarise themselves with the development of the Clinical Decision Support System (CDSS) and Citizen App. D7.5 is a public document, that will also be accessible on the project website for consultation.





1. INTRODUCTION

AI-POD's goal is to develop trustworthy AI tools that will not only support clinical decision-making, but also empower patients and persons at risk to better monitor and manage their own health. To achieve the objectives of the project and maximise the expected impact, AI-POD follows a well-defined communication, dissemination and exploitation strategy and relies on multiple methods and channels to implement the strategy in an effective manner.

The end-user involvement is dealt by one dedicated task in the project, namely Task 7.2. The present document describes the planning and execution of the initial end-user webinar organised on 24 April 2024. This webinar was also jointly organised with the first meeting of the project's Stakeholder Board, as this was considered useful given the current status of the project.

D7.5 is a public document that offers a comprehensive overview of the first Stakeholder Board and end-user workshop. It specifies the organisation, concepts, and outputs of the workshop, which are crucial for the valorisation and exploitation of the results generated throughout the project's lifecycle. The report emphasises key achievements, figures and statistics, and recommendations for the future workshops to be held to guarantee the maximum impact of the AI-POD project.

2. STAKEHOLDER BOARD AND END-USER WEBINAR

2.1. ESTABLISHMENT OF THE STAKEHOLDER BOARD AND END-USERS

Task 7.2 of AI-POD focuses on end-user involvement, whereas activities are focused on the one hand on the Stakeholder Board, which was set up for the project, and on the other hand on end-users in general.

The Stakeholder Board was set up, after contacting clinicians, citizens, patient representatives, AI developers and decision makers. Representatives of relevant stakeholders were approached through professional societies and representative groups.

The Stakeholder Board's role in the project is multifaceted. It serves as an external source of feedback for the consortium on various aspects, including the requirements and needs of the clinical and research community, but also the preferences and needs of the patients. It provides independent feedback on the different tools AI-POD is developing from a requirements, usability and usefulness standpoint. Four dedicated meeting of the Stakeholder Board will be organised in the course of the project.

The Stakeholder Board currently comprises 13 highly adept and experienced members. The board members represent multiple countries on an international level, ensuring a diverse range of perspectives and expertise. Looking ahead, the board is committed to expand and diversify its representation, both within Europe and on an international level. To achieve this, the consortium continues its efforts to identify and suggest additional organisations or representatives, aligning with the requirements and expectations of the Stakeholder Board. By doing so, the consortium aims to continue fostering greater engagement, collaboration, and progress towards achieving its goals and objectives.

The following organisations are currently represented in the Stakeholder Board:

- Medical Image Computing and Computer Assisted Intervention Society (MICCAI)
- European Society of Radiology (ESR)
- European Society of Radiology's Patient Advisory Group (ESR-PAG)
- European Federation of Organisations for Medical Physics (EFOMP)
- European Coalition for People Living with Obesity (ECPO)
- European Society of Medical Imaging Informatics (EuSoMII)
- European Alliance for Cardiovascular Health (EACH)





- Universidad Nacional del Centro de la Provincia de Buenos Aires (Pladema)
- Siemens Healthineers
- Philips GmbH
- ISHmed Informatikinitiative
- Bundesinstitut für Arzneimittel und Medizinprodukte
- AOK Rheinland/Hamburg – Die Gesundheitskasse

Under Task 7.2, the end-users, more specifically clinicians and citizens/patients are targeted as well. In total, three workshops are planned (towards the end of year 1, midterm and towards the end of the project). Moreover, specific tutorials and workshops to introduce the project’s work related to the CDSS and Citizen App, and a focus group test to discuss user ability will be organised for end-users. It is also planned to provide a survey to the end-users to gather feedback on user’s needs and accessibility.

Given the early stage of the project, it was decided to organise the first end-user workshop together with the first meeting of the Stakeholder Board, to further facilitate the engagement of peers and exchange of ideas between the participants. Moreover, the Consortium members and External Advisory Board were also invited to participate and to assist with the communication and dissemination efforts leading up to the workshop.

2.2. ORGANISATION OF THE STAKEHOLDER BOARD AND END USER WEBINAR.

Given the importance of organising a first and joint Stakeholder Board and End-user workshop, a tailored social media campaign was exclusively designed to aim for a massive outreach to and engagement of relevant end-users leading up to the workshop. In this sense, weeks prior to the workshop, regular posts were published in AI-POD’s social media channels, as well as articles on the project website. Other organisations such as the European Society of Radiology were contacted to assist with the dissemination efforts.

Thanks to this, the attendance was high, however, some of the stakeholders and end-users registered claimed to be unavailable for the webinar. For this reason, it was recorded for future viewings and published on the project website.

2.2.2. PROGRAMME AND KEY RESULTS

The online workshop lasted for 90 minutes and featured a panel of experts including Prof. Ulrike Attenberger, Project Coordinator and leader of Work Package 6, which focuses on the proof of concept study, and Prof. Wiebke Fenske, who also contributes to Work Package 6. Also on the panel was Prof. Georg Langs, who oversees Work Package 3 and is responsible for developing an explainable AI model for predictions.

The agenda of the first Stakeholder Board and End-users Webinar was:

10:30-10:45	Introduction to the AI-POD Project	Ulrike Attenberger (University Hospital Bonn)
10:45-11:05	Technical activities of the AI-POD Project	Georg Langs (Medical University of Vienna)
11:05-11:25	Clinical activities of the AI-POD Project	Ulrike Attenberger (University Hospital Bonn)
11:25-11:35	Outcomes and benefits for stakeholders and end-users	Wiebke Kristin Fenske (BG University Hospital Bergmannsheil Bochum)
11:35-11:45	Questions & Answers	All speakers
11:45-12:00	Discussion Round: Further activities and involvement of stakeholders and end-users	All Moderator: Ulrike Attenberger (University Hospital Bonn)





The proposed agenda sought to be informative by presenting the project to the audience and seeking input from participants, gathering feedback, and facilitate collaboration among the researchers, patients, citizens, policy and decision-makers, and obesity-related professional societies presented in the audience.

Prof. Ulrike Attenberger, the Project Coordinator, introduced the key members of the project, including Prof. Wiebke Fenske and Prof. Georg Langs, who present the clinical and technical aspects, respectively.

Prof. Wiebke Fenske presented the medical motivation behind the project, highlighting the need for personalised risk assessment and management in light of the global rise in obesity. She also described the proof-of-concept study aimed at evaluating the AI-POD risk tools against current standards and assessing the feasibility of integrating lifestyle data from the Citizen App.

Prof. Georg Langs presented the technical aspects of the project. He detailed the development of the AI-POD risk score, clinical decision support system, and Citizen app, emphasizing the fusion of clinical and lifestyle data for precise risk assessments. He highlighted the importance of a robust data platform integrating various data modalities to refine risk scores and ensure predictive accuracy. Prof. Langs also underscored the significance of validation and transparency in the AI-based risk score, addressing ethical concerns and emphasizing rigorous quality checks on retrospective clinical data and real-time data from the Citizen App. These efforts aim to deliver a user-friendly app providing prediction scores to patients and aiding informed decision-making in healthcare delivery.

The presentations were followed by an interactive Q&A session that truly enriched the discussions, sparking ideas for refining methodologies and embracing diverse perspectives.

A review article was also published on the project's [website](#), including the link to the recording.

2.2.2. PARTICIPANTS

The registration process for the initial Stakeholder Board and End-user webinar was completed through a dedicated registration form, resulting in a total of 38 registrations. The workshop was attended by 26 participants, including researchers, citizens, clinicians, patients, AI-developers, industry professionals, and representatives from obesity-related professional societies. The reception exceeded expectations and received an outstanding response from a wide range of stakeholders, laying the foundation for a robust platform that aims to foster collaboration among clinicians, researchers, the scientific community, patients/citizens, policy-and-decision makers, regulatory bodies, and others. Additionally, the webinar was followed by participants from many countries such as Austria, Germany, Spain, United Kingdom, Portugal, Switzerland, Netherlands, Italy, Lithuania, Czech Republic, Norway, Greece, Azerbaijan, Luxembourg, Croatia, Romania, and Belgium.

As forementioned, some of the registered participants were unable to participate due to other commitments at the same time, and they have confirmed to participate in future workshops, watch the recording and provide feedback individually. This valuable feedback will be gathered and used to facilitate collaboration and support the execution of the project.

2.2.3 COMMUNICATION AND DISSEMINATION ACTIVITIES

The Consortium members, the External Advisory Board, and the Stakeholder Board assisted in disseminating information about the 1st Stakeholder Board and End-users webinar and shared the information within their respective networks. By leveraging the reach and influence of these key stakeholders, the project's developments and activities could be amplified and brought to the attention of a wider range of stakeholders and end-users. The Consortium, External Advisory Board, and Stakeholder Board were asked to endorse and promote the webinar, providing a valuable opportunity to engage with a diverse range of audiences and ensure that the project's impact is felt across the AI community.





A social media campaign was launched several weeks prior to the webinar to ensure proper dissemination of information. As part of this campaign, social media cards were created and published on the organization's LinkedIn and Twitter accounts. Specifically, 10 exclusive posts were designed for the promotion of the webinar on LinkedIn, resulting in a total of 1540 impressions. The same amount of posts were also published on Twitter, garnering a total of 2549 impressions. These impressive numbers demonstrate the effectiveness of the tailored social media posts and tags used to promote the organization of the webinar. Below are some of the social media cards and posts developed prior and post workshop:

AI-POD HOME IMPACT STRUCTURE ACHIEVEMENTS CONSORTIUM

AI-POD First Stakeholder Board and End-User Webinar

AI-POD is a transformative initiative set out to revolutionise obesity-related disease prediction for cardiovascular disease.

The mission of AI-POD is to significantly improve the risk assessment and management of obesity-related vascular disease. This is achieved through developing a unique AI-based risk prediction score and Clinical Decision Support System, both guided by a wealth of individual patient data. We also strive to create a Citizen App that integrates real-time monitoring of diet and lifestyle into standard risk assessment, forming a fully digitalized feedback loop between patients and clinicians. Through these innovative tools, we aim to empower clinicians and patients alike and transform the standard of care for obesity-related diseases, potentially shaping future treatment strategies and guidelines.

The establishment of the Stakeholder Board and the upcoming End-User Webinar represent significant milestones in the AI-POD project's mission to transform healthcare through AI-driven decision support systems. By fostering collaboration, inclusivity, and continuous feedback, AI-POD is committed to make a profound impact on the healthcare landscape. The purpose of this webinar is to provide an introduction to the AI-POD project and gather valuable feedback from stakeholders and end-users on ways to facilitate collaboration. The webinar will bring together clinicians, researchers, scientific community, patients/citizens, policy- and decision-makers, obesity-related professional societies, regulatory bodies, and others. Join us as we embark on this transformative journey together.

Save the date and Click here to register

April 24th, 2024, from 10:30-12:00 (CET) – online

Agenda

- 10:30 – 10:45 – Introduction to the AI-POD Project – Ulrike Attenberger (University Hospital Bonn)
- 10:45 – 11:05 – Technical activities of the AI-POD Project – Georg Langs (Medical University of Vienna)
- 11:05 – 11:25 – Clinical activities of the AI-POD Project – Ulrike Attenberger (University Hospital Bonn)
- 11:25 – 11:35 – Outcomes and benefits for stakeholders and end-users – Wiebke Kristin Fenske (BG University Hospital Bergmannsheil Bochum)
- 11:35 – 11:45 – Questions & Answers – All speakers
- 11:45 – 12:00 – Discussion Round: Further activities and involvement of stakeholders and end-users – Moderated by Ulrike Attenberger (University Hospital Bonn)

AI-POD Project
70 followers
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📌 The 1st Stakeholder Board and End-user webinar is around the corner! 📌

At the webinar, we'll introduce you to the AI-POD project and gather your feedback to foster collaboration and inclusivity. Join clinicians, researchers, patients, policymakers, and more as we pave the way for transformative healthcare 📌

Universitätsklinikum Bonn The European Institute for Biomedical Imaging Research (EIBIR) Medical University of Vienna Collective Minds Radiology University Hospital in Pilsen Charles University Universitätsmedizin Mannheim KU Leuven medicalvalues GmbH Brightfish Universitätsspital Zürich Imperial College London

#HorizonEU #EUFunded #CVD #Obesity #AItools #Webinar

1ST STAKEHOLDER BOARD AND END-USER WEBINAR

April 24th, 2024
10:30-12:00 (CET)

Save the date!

Scan the QR to register!

DON'T MISS OUT!

Visit <https://ai-pod.eu/ai-pod-first-stakeholder-board-and-end-user-webinar/>

AI-POD

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myesr @myESR · Apr 24

Join in for the first Stakeholder Board & End-User Webinar, an event in revolutionizing obesity-related disease prediction with AI. 📌 @EIBIR_biomed & @AIPOD.eu are paving the way for groundbreaking healthcare innovation. 📌 Save the date! buff.ly/3Ws6VpN

Save the date!

April 24th, 2024
10:30-12:00 (CET)

Upcoming webinar

1st Stakeholder Board and End-user webinar

Scan the QR to register!

Visit <https://ai-pod.eu/ai-pod-first-stakeholder-board-and-end-user-webinar/>

2 reposts 4 likes 569 views

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📌 Don't forget to register for the 1st Stakeholder and End-user webinar of the AI-POD project! 📌

The establishment of the Stakeholder Board and the upcoming End-User Webinar represent significant milestones in the AI-POD project's mission to transform healthcare through AI-driven decision support systems 📌

The webinar will bring together clinicians, researchers, scientific community, patients/citizens, policy- and decision-makers, obesity-related professional societies, regulatory bodies, and others 📌

📌 For more information: <https://lnkd.in/d/mxndet>

#HorizonEU #EUFunded #CVD #Obesity #AItools

AI-POD

1st Stakeholder Board and End-user webinar

April 24th, 2024, from 10:30-12:00 (CET) – online

Register here!

"This unique event will empower clinicians and patients alike to benefit from AI-POD's advancements through tailored workshops and focus group tests"

More information on our website

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The 1st Stakeholder and End-user webinar is taking place tomorrow, April 24th!

Don't forget to book your spot and learn more about the AI-POD project by the hand of clinicians, researchers, scientific community, patients/citizens, policy- and decision-makers, obesity-related professional societies, regulatory bodies, among others!

AI-POD is committed to make a profound impact on the healthcare landscape!

Register at: <https://lnkd.in/d3uuzyTe>

#HorizonEU #EUfunded #CVD #Obesity #AItools #Webinar



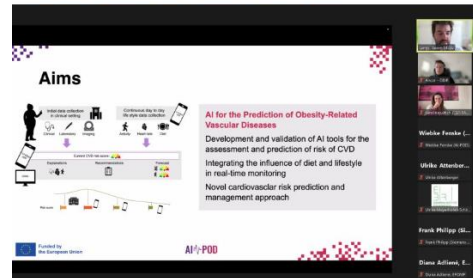
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👉 We're on! 📺 Make sure to tune into for the 1st Stakeholder and End-User live Webinar to hear to gain a deeper understanding of the project's objectives and potential impact by our speakers **Univ.-Prof. Dr. Ulrike Attenberger, Georg Langs** and **Wiebke W Fenske**!

The session is bringing together world-renowned experts in fields ranging from cardiovascular CT imaging and computational imaging to obesity research!

We look forward to your participation!

#HorizonEU #EUfunded #CVD #Obesity #AItools #Webinar



You reposted

AI-POD Project @AIPOD.eu · 4h

Congrats to everyone involved in our 1st Stakeholder and End-user webinar! 🎉

Find more details on our website by clicking on the link below 📄

ai-pod.eu/1st-stakeholder...

#HorizonEU #EUfunded #CVD #Obesity #AItools #Webinar

From ai-pod.eu

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3. CONCLUSION

In conclusion, the success of the first Stakeholder and End-user webinar underscores the pivotal role of end-user involvement and the diverse composition of the Stakeholder Board. The active participation of end-users ensures that interventions and solutions are tailored to meet the real needs and challenges faced by individuals affected by obesity and related cardio-vascular diseases. Their insights and experiences serve as invaluable guides in shaping effective strategies for management and prevention.

Moreover, the rich composition of the Stakeholder Board, comprising international experts from various fields and sectors, amplifies the depth and breadth of perspectives brought to the table. This diversity fosters robust discussions, encourages interdisciplinary collaboration, and ultimately leads to more holistic and innovative approaches to tackling obesity.

By bringing together both end-users and Stakeholder Board members, we leveraged their combined expertise and resources to drive meaningful change throughout the project. Nurturing this ongoing dialogue and partnership from now on will contribute significantly to the successful implementation of the AI-POD project.

The Stakeholder and End-users webinar is available for viewing on EIBIR's Youtube channel on the following [link](#). The recording provides a valuable resource for individuals who would like to revisit key insights from the live session or for those who were unable to attend the live session. The recording is available for viewing at any time on the channel.

