

"THE HYPER EXPERT COLLABORATIVE AI ASSISTANT"

Deliverable 6.6

1st report on Scientific Dissemination

Version	1.0
Lead partner	VUB
Dissemination level	Public
Type of deliverable	Report
Contractual date	31/03/2025
Actual delivery date	25/03/2025

D6.6. First report on scientific dissemination

1st report.

Authors	**Organisations**
Ann Nowe	VUB
Mehrdad Asadi	VUB
Paolo Speziale	VUB
Anca Florea	VUB

Contributors	
Ana Pop Stefanija	VUB
Rob Heyman	VUB

Revised by	
Elizabeth A. Nerantzis	ALPHA
Fábio Moreira	InT

Disclaimer
This document reflects the authors' views only and neither the Agency nor the Commission are responsible for any use that may be made of the information contained

Table of Contents

1. Executive summary 4

2. Description of work 5
2.1 Scientific dissemination general strategy 5
2.2 Target audience and channels of engagement 6
2.3 Guidelines for dissemination of results 8

3. Results 9
3.1 Development of a roadmap and tools for dissemination 9
3.2 Clustering with sister projects 9
3.3 Conferences and events 10
3.4 Publications 13
3.5 Scientific dissemination KPIs 16

4. Conclusions 17

5. Appendix 18
Annex 1 List of potential journals for publications and events for participation as per DCE plan, v1 18
Annex 2 Example of posters presented at the review meeting in Amsterdam 6 December 2024 22

1. Executive summary

The present deliverable includes a description of the scientific dissemination strategies and results achieved so far by the PEER consortium partners for external and internal dissemination activities. It is closely linked to D6.3. Dissemination and Communication(D&C) plan which outlines dissemination strategies at the project level.

This report gives an overview of strategies and tools for dissemination, target groups and an overview of relevant conferences, events and journals for scientific dissemination. These will be used to raise awareness regarding PEER and maximize its impact within the scientific community and beyond paving the way for further exploitation of results, as the results are publicly made available to relevant stakeholders and ensure their future use beyond the project lifetime. Activities for creating synergies with sister projects are also described.

Furthermore, an overview of the results achieved so far within the project regarding scientific dissemination are described.

This document serves as a guide and framework for consortium partners and external readers, detailing the metrics the team will use to achieve its dissemination objectives in line with the Description of Action (DoA). The outlined procedures will remain in effect for the duration of the project and will be modified, enhanced, or adjusted as necessary to meet project requirements. Consequently, this deliverable will be updated two times during the project's execution at M36, M48.

2. Description of work

The goal of the scientific dissemination throughout PEER is to set in place strategies to timely and effectively disseminate project results to the scientific community and relevant stakeholders and build synergies with other projects to strengthen the scientific outcomes and impact of the projects.

This is reached via:

- Identifying key target audience,
- Scientific publications in relevant journals,
- Participation to scientific conferences and events, as well as industry fairs,
- Engaging policymakers and end-users who can benefit from the scientific results via i.e., workshops and events,
- Dissemination via all media channels,
- Dissemination of key results via Horizon Results Platform,
- Project website: making public deliverables and publications available, and
- Clustering and creating synergies with sister projects.

2.1 Scientific dissemination general strategy

The dissemination objectives are part of the scientific dissemination strategy, as defined in D6.3. D&C plan, v1:

- Create awareness of PEER and its goals, impact and results within the defined target groups,
- Identify other stakeholders that may benefit from the project's results,
- Seek out opportunities for collaboration with other projects and initiatives,
- Promote collaborations that may result in new projects.

The dissemination activity aims to highlight the project's outcomes, challenges, and achievements, promoting it through a collaborative effort involving the entire consortium and all available tools.

The dissemination strategy with the respective tools and approach was divided in three phases in the D6.3. D&C plan, as illustrated in the table below. During the first period phase 1 and phase 2 have been successfully achieved and will be further continued and developed in the next stage of the project, while phase 3 is to be undertaken in the second half of the project once more results become available.

Table 1 - Dissemination strategy phases

Time	Objective	Tools and approach
Phase 1: Analysis & initial awareness	Create a roadmap and agree upon future dissemination activities Raise awareness on PEER objective and scope	Press release Visual identity toolkit Project website Social media channels Brochures, posters List of journals List of events List of stakeholders
Phase 2: Increase impact	Create a target awareness of project results and outcomes to interested stakeholders	Newsletters and mailing campaign to stakeholders about PEER results Initiate collaborations Create synergies with other projects Disseminate results at conferences and events Publish papers in high ranked journals
Phase 3: Adoption	Promote the project results for adoption and creating change. Pave the way for exploitation and on-market trajectory	Engage with relevant stakeholders in a more personalized and targeted approach. Organize workshops with relevant stakeholder groups Align with exploitation plan

2.2 Target audience and channels of engagement

The Consortium considers active and sustainable engagement with key target groups essential for the PEER project to achieve its objective and create impact. For this purpose, the main audience groups targeted for dissemination activities have been identified at the proposal stage already and further integrated in D6.3. D&C plan, v1.
A series of activities have already started and have been carried out since the very early phases of the project, starting with the project website and social media being set-up and continuing with participation at events and conferences and publications. All these are used for dissemination of scientific achievements and connecting with the scientific communities. Furthermore, workshops with target audiences will be planned and held whenever relevant results become available. A few Key Exploitable Results (KERs) have been already identified in reporting period 1 (RP1) and the consortium aims to publish them via the Horizon Results Platform.

The project's results will be made available to actors and stakeholders at both national and international level, such as research communities, academic and industrial organizations, as well as governmental agencies and bodies and end-users. This will allow both for awareness-raising regarding the project's outputs and scientific achievements, and for a two-way feedback loop: different

actors make use of the scientific outputs, and the consortium partners benefit from their valuable feedback. This will be done, among others, via workshops and events

Table 2 presents the target audience for the dissemination of the scientific results and the tools and channels used to approach them.

Table 2 – Target audience and channels of dissemination

Target Group	Audience	KEY U&S	Channels
Scientific community and projects	• Researchers in AI & Digital technologies • Researchers on Ethical, Legal, Social, Economic AI (ELSE) • Researchers in scientific & industrial tools co-development in the project • Educational & Research Institutions	• CLAIRE – Confederation of Laboratories for AI Research in in Europe • AAAI Association for the Advancement of Artificial Intelligence • Fari Institute — AI for the Common Good • euRobotics | European Robotics & More • AI, Data and Robotics Association (Adra)	• Publications • Conferences presentations • Posters • Workshops • Website • Social media • Newletters
Industry	• SMEs and companies' suppliers for verticals domains as healthcare, mobility, manufacturing, retail • European Digital innovation hub in manuf. industry	• Mistral AI • GVB (bus company in Amsterdam, which also uses route planning and accessibility info in their planning) • 9292 public transport planner • Google (Someone whom we'd like to reach) • Filuta AI	• Industry Events • Website • Social media • Publications • Horizon Results Platform

Target Group	Audience	KEY U&S	Channels
Policy Makers	• Governments/Institutions at European and international level • Tech governmental agencies • Standardisation and regulatory bodies • Civil servants (e.g. Flemish civil service.)	• ECAT EU • V&OR (traffic and public spaces) directorate at the City of Amsterdam	• Publications • Workshops and Events towards end-users • Horizon Results Platform
End-users	• Users of AI technology • Users of scientific and industrial tools and serviced developed in the project • Technology providers	• Cliëntenbelang Amsterdam	• Events and workshops oriented towards end-users

2.3 Guidelines for dissemination of results

Each partner must promptly share their results through appropriate channels, as specified by the grant agreement (GA) and consortium agreement (CA), including scientific publications and the PEER website. Additionally, each partner is responsible for protecting results, maintaining confidentiality, adhering to security protocols, and safeguarding personal data as outlined in D1.4 DMP. Each beneficiary must ensure open access to all peer-reviewed scientific publications related to their findings, using zenodo.org and linking to the PEER project as per D1.1 Project handbook and D1.4 DMP.

The dissemination principles and guidelines for publications and dissemination at conferences and events are also highlighted in D1.1 project handbook and D6.3 DCE plan, and hence not repeated here.

3. Results

3.1 Development of a roadmap and tools for dissemination

A roadmap for dissemination activities has already been developed in deliverable D6.3 D&C plan (v1) including target audiences, awareness-raising activities and activities for user and stakeholder involvement (or engagement), as well as potential channels and venues for dissemination (academic journals, conferences and events). This roadmap will be updated in the 2nd version of the D&C plan (D6.4), in M24. An overview is attached here as Annex (Annex 1).

The tools for dissemination have also been developed as described in D6.3 D&C plan (v1). An up-to-date tracker for dissemination activities (publications, events) has been developed, ensuring that all relevant information is disseminated in a timely manner and in accordance with EC (European Commission) principles and regulations (e.g., Open Science, FAIR principles). From a project management perspective, it also serves as a monitoring tool for the dissemination KPIs.

3.2 Clustering with sister projects

Steps have been taken throughout the RP1 to establish synergies, common objectives, and activities for cooperation with other projects. Focused on AI, Data and Robotics.

- A key part in this endeavour is the cohesion activities with and funded actions by the Private Public Partnership on AI, Data and Robotics (ADRA), as indicated in Scientific Objective 5 in DoA. Namely PEER has participated in an introductory ADRA24 event with a presentation of the project.
- A Public Private Partnership (PPP) liaison person has been appointed at VUB (Dr. Mehrdad Asadi) as well as CLAIRE office (Hans De Canck).
- A connection has been established with the following projects: AI4Realnet, Tango, HumAIne, THEMIS5.0. Together with these projects an application for a workshop for ADRA-e that took place on 4-5 November 2024 in Eindhoven, Netherlands has been submitted, which was accepted, despite the high competition. At this event on "European Sovereignty in AI, Data and Robotics" a workshop entitled "From Algorithms to Assurance: Designing Human-Centric AI to enhance Collaboration, Trust, and Acceptance" was held with participants from sister projects (link to workshop objectives available here)
- Furthermore, the project was represented at the "Future Ready: On Demand Solutions with AI, Data, and Robotics" taking place on 18-19 February 2025, Sparks Meeting, Brussels. The aim of this project was to discuss results and identified challenges, to explore opportunities for future collaborations. The sister projects answered important questions such as

This workshop, co-organised with sister projects, was aimed at discussing results and challenges, explore opportunities for future collaboration and engage with the AI on Demand platform and the ADRA topic groups. Questions were addressed such as:

- How can trustworthiness and transparency in AI systems be balanced with technical complexity to maintain user empowerment?
- What frameworks or methodologies are you considering to evaluate the societal impact of your AI systems?
- How does human feedback shape your project's AI lifecycle, and what mechanisms ensure its effective integration?

We shared strategies that have proven effective in fostering collaboration across disciplines, while also acknowledging the challenges that remain. We further proposed scalable solutions in ethical AI design. Practical steps were proposed to address ethical concerns such as bias, privacy, and misuse in AI design, ensuring our systems are both fair and secure.

The interaction with these sister projects is ongoing and regular, in order to identify synergies, common goals, and activities towards the communication and dissemination objectives. Additionally, PEER partners will further engage and leverage on the other projects they are involved in as per DoA section *1.2.5 Link to national and international R&I activities*.

3.3 Conferences and events

Disseminating all major achievements during and after the project is a collective responsibility of all partners. Active participation in national and international events, such as conferences, workshops, seminars, and webinars, is crucial to maximize scientific dissemination and exploitation efforts. Partners are encouraged to attend external events like academic forums, industry fairs, and Horizon Europe brokerage events to present the project's outcomes and their own related research. A list of relevant events and conferences has been included in D6.3. DCE plan v1 (Section 3.1.1.6. 3.1.1.6 Conferences and events, Table 7 - List of potential events relevant for the Project) and will be updated in its next versions.

Fig.1 Participation at ADRA-F event in Eindhoven, NL together with sister projects



Table 3 outlines the dissemination activities carried out by consortium members since the project's start. As the project progresses, the consortium anticipates generating a substantial amount of valuable research findings, significantly enhancing their participation in various dissemination activities.

Table 3 - Attended conferences and events (by the time of writing this report)

No	Ben.	Conference	Date	Location	Presentation/poster topic
1	VUB	Launch ADRA event	22/02/2024	Online	General presentation of PEER vision and concept
2	SMIT	Shifting AI Conference	29/01/2024	Berlin, DE	Socio-technical imaginaries about ideal AI system
3	AMS	Data Dilemma's: Data and AI for an accessible Amsterdam	26/09/2024	Amsterdam, NL	Data and AI for an accessible Amsterdam
4	AMS	AI en Data in Publieke Administraties - FTI Brussel Event	22/03/2024	Brussels, BE	Enhancing transparency and trust in government through the use of AI and digital technology
5	TUE	Dagstuhl research seminar	09/09/2024	Dagstuhl, DE	Explainable sequential decision making
6	TUE	Kickoff event of "GameTable" COST Action	31/01/2024	Leiden, NL	The PEER project as an example of explainable sequential decision making research
7	TUE	ENFIELD & EAISI event: Human Centric AI	12/09/2024	Eindhoven, NL	Overview of the PEER project and its XAI aspects
8	TUE	Vanderlande Tech Day	16/11/2023	Veghel, NL	Relating the XAI aspects of the PEER project to challenges in logistics
9	VUB	AAMAS conference	10/05/2024	Auckland,NZ	Trustworthy Reinforcement Learning: Opportunities and Challenges
10	InT	XAI Workshop at IJCAI 2024 conference	05/08/2024	Jeju, South Korea	Presentation and poster on learning explainable symbolic policies for solving a real-world Time Slot Pricing Vehicle Routing Problem
10	EUT	Advanced Factories Expo & Industry 4.0 Congress	10/09/2024	Barcelona, ES	Discussing reliable embodied AI agents in human-centric environments, highlighting how generative AI based decision making could be controlled by means of a hybrid neurosymbolic approach.
11	EUT	ROSCon España 2024	19/09/2024	Sevilla, ES	Discussing the use of Behavior Trees to create adaptive, scalable robots that enhance human-AI interaction and respond dynamically to uncertainty.

No	Ben.	Conference	Date	Location	Presentation/poster topic
12	VUB	ADRA Forum	4-5/11/2024	Eindhoven, NL	a joint workshop with project cluster (AI4REALNET, THEMIS 5.0, TANGO, HumAIne) on the topic "From Algorithms to Assurance: Designing Human-Centric AI to Enhance Collaboration, Trust, and Acceptance".
13	TUE	ECAI conference	19-24/10/ 2024	Santiago de la Compostela, ES	Ran a workshop on "Trustworthy Sequential Decision-Making and Optimization"
14	DAT	ADRA Forum	4-5/11/ 2024	Eindhoven, NL	Joined as a participant of the Forum
15	EUT	ADRA Forum	4-5/11/ 2024	Eindhoven, NL	Joined as a participant of the Forum
16	EUT	ICAPS	15-19/07/ 2024	Delft, NL	Presented research on the use of LLMs for Behavior Tree Generation, improving human-AI interaction for plan generation.
17	EUT	ICRA	13-17/05/ 2024	Yokohama, Japan	Presented research on the use of LLMs for Collaborative Plans, improving human-AI interaction for plan generation.
18	EUT	ECAI	19-24/10/ 2024	Santiago de la Compostela, ES	Presented research on improved classical planning techniques for human-robot collaboration.
19	VUB	ADRA-F	18-19/02/ 2025	Brussels, BE	PEERs role in Trustworthy AI and evaluation of systems

3.4 Publications

The interdisciplinary nature of PEER ensures that project results will be published in top-tier scientific journals across various scientific fields. These results will also be shared through oral and poster presentations at national and international conferences, effectively communicating advancements to both the scientific community and industry. All publications will be Open Access (OA) documented in the scientific reports, and available on the project's official website.

The project aims to publish at least 32 papers (12 journals and 20 conference papers), with a minimum of 1 impact factor. Some of the suitable impactful journals and conferences we have identified are: International Joint Conference on Artificial Intelligence (IJCAI), Association for the Advancement of Artificial Intelligence (AAAI), Autonomous Agents and Multiagent Systems (AAMAS), European Conference on Artificial Intelligence (ECAI), European Conference on Machine Learning (ECML), Journal of Artificial Intelligence Research, Information Fusion Journal, IEEE Transactions on Artificial Intelligence, Artificial Intelligence, Decision Support Systems etc.

Publications will follow Gold and/or Green Open Access (OA) guidelines as per Horizon Europe standards. The Publications comply or will comply with Open Access and FAIR principles. Additionally both the publications and the metadata emerging from the project activities are/will be shared on the PEER Zenodo platform and via the project website. Electronic copies will include standard bibliographic metadata, such as "European Union (EU)", "Horizon Europe", the action name, acronym, grant number, publication date, embargo period (if applicable), and a persistent identifier.

Table 4 – Publications (by the time of writing this report)

No	Title	Authors	Title of the journal or equivalent (conferences)	Rank/IF
1	Enabling MCTS Explainability for Sequential Planning Through Computation Tree Logic	Ziyan An, Hendrik Baier, Abhishek Dubey, Ayan Mukhopadhyay, Meiyi Ma	27th European Conference on Artificial Intelligence (ECAI 2024)	A
2	MOMAland: Benchmarking Multi-Objective Multi-Agent Reinforcement Learning	Florian Felten, Umut Ucak, Hicham Azmani, Gao Peng, Willem Röpke, Hendrik Baier, Patrick Mannion, Diederik M Roijers, Jordan K. Terry, El-Ghazali Talbi, Gregoire Danoy, Ann Nowé, Roxana Radulescu	Multi-Objective Decision Making Workshop at ECAI 2024 Conference	A
3	Model-Based Reinforcement Learning in Multi-Objective Environments with a Distributional Critic	Willem Röpke, Diederik M Roijers, Ann Nowé, Roxana Radulescu, Hendrik Baier	Multi-Objective Decision Making Workshop at ECAI 2024 Conference	A
4	Where (not) to Cross the Street	Leah van Oorschot, Dimitris Michailidis, Niek IJzerman, Shayla Jansen, Diederik Roijers	BNAIC/BeNeLearn 2024 (Conference)	N/A
5	Learning efficient in-store picking strategies to reduce customer encounters in omnichannel retail	Fábio Neves-Moreira and Pedro Amorim	International Journal of Production Economics	Q1

No	Title	Authors	Title of the journal or equivalent (conferences)	Rank/IF
6	Learning symbolic expressions to solve multi-period time slot pricing vehicle routing problems	Fábio Neves-Moreira, Daniela Fernandes, Miguel Lunet, Pedro Amorim	XAI Workshop at IJCAI 2024	A
7	Towards Differentiating Between Failures and Domain Shifts in Industrial Data Streams	Natalia Wojak-Strzelecka, Szymon Bobek, Grzegorz Nalepa, Jerzy Stefanowski	Embracing Human-Aware AI in Industry 2024 at ECAI 2024	A
8	The Contribution of Social Sciences Driven User Studies to the Development of Human-Centered Artificial Intelligence	Magdalena Wójcik	Intelligent Data Engineering and Automated Learning – IDEAL 2024	B
9	Decision Making in Non-Stationary Environments with Policy-Augmented Search (Extended Abstract)	Ava Pettet, Yunuo Zhang, Baiting Luo, Kyle Wray, Hendrik Baier, Aron Laszka, Abhishek Dubey, Ayan Mukhopadhyay	23rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2024)	A
10	Language Models Speed Up Local Search for Finding Programmatic Policies	Quazi Asif Sadmine, Hendrik Baier, Levi H. S. Lelis	Transactions on Machine Learning Research	N/A
11	Planning for Human-Robot Collaboration Scenarios with Heterogeneous Costs and Durations	Silvia Izquierdo-Badiola*, Gerard Canal, Guillem Alenyà, Carlos Rizzo, Andrew Coles	27th European Conference on Artificial Intelligence (ECAI 2024)	A
12	PlanCollabNL: Leveraging Large Language Models for Adaptive Plan Generation in Human-Robot Collaboration	Silvia Izquierdo-Badiola; Gerard Canal; Carlos Rizzo; Guillem Alenyà	2024 IEEE International Conference on Robotics and Automation (ICRA)	A1

Furthermore, scientific results have been presented and discussed within meetings with the consortium. For example, posters (Annex 2) have been presented at the review meeting on 6 December 2025 in Amsterdam, NL with the reviewers and during breaks with consortium partners. This was a great opportunity to exchange ideas and further discuss activities and dissemination activities collaborations. For example, PEER AI partners (VUB, TU/e, JU) have organized a special research track on Explainable AI for Sequential Decision-Making problems, which is the project's focus at the well-known XAI conference (https://xaiworldconference.com/2025/explainable-sequential-decision-making/). The conference will be held on 9-11 July 2025 in Turkey and the Call for Papers has been announced with the project logo on PEER social media platforms such as LinkedIn and X and website.



TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

JAGIELLONIAN UNIVERSITY IN KRAKÓW

VUB VRIJE UNIVERSITEIT BRUSSEL

peer

Moreover, PEER partners from VUB and Jagiellonian University, together with additional external partners have submitted a joint workshop proposal to ECAI 2025 (a top ranked conference) on the topic of Interactive eXplainable AI - Theory and Practice (IXAIT). In line with PEER objectives, this workshop focuses on advancing Explainable Artificial Intelligence (XAI) through interactive approaches, focusing on new methodologies and methods as well as practical issues. By bridging explainability with interactivity, this workshop aims to foster advancements in creating adaptive, transparent, and effective AI systems that align with human-centred design requirements and goals.

In line with PEER use case requirements on accessible route planning (Municipality of Amsterdam), AI researchers from VUB and TU/e have proposed a competition named 'Accessible Routes in Amsterdam Competition (ARA25)' to the AAMAAS 2025 conference, which was accepted by the organizing committee. This competition is organised in the context of the PEER project and includes organisers from the municipality of Amsterdam. The competition focuses on key AI components of an accessible route planner, and its results may be used (attributed of course) in a demonstrator for accessible route planning. The competition is run open-source, and has two tracks based on desirable use-cases for accessible route planning. We envision a large number of participants in Detroit, USA contributing to novel solutions and approaches, enabling large-scale research collaboration within PEER and external researchers.

In addition, PEER partners from TU/e have, together with external collaborators, proposed to once again organize the XAI workshop at the IJCAI 2025 conference, one of the premier venues for XAI research that has been running since 2017.

3.5 Scientific dissemination KPIs

To measure the quality of the dissemination activity, the following KPIs have been identified for the identified target audience:

A- Scientific and research community

B- Industry

C- Policy makers

D- End-users

Table 5 – KPIs for scientific dissemination activities

KPI	A	B	C	D	Target	Achieved
Scientific publication to journals supporting PEER approach	x	x			12 journals and 20 conference papers	2 journals and 10 conference papers
Impact factor of journals considered for PEER publications	x	x	x		Greater than 1	Greater than 1
Number of workshops attended/organized	x	x	x	x	At least 3 per user case	N/A for this RP
Percentage of ISI indexed journal	x				90%	84%
Ranking of conferences	x	x			90% must belong to tier A1 or tier B2	50%

The KPIs are actively monitored by the Management Team and at each GA as as described in D1.3. Quality and risk management plan, Section 2.3.

4. Conclusions

The present report is aimed at describing the main activities already initiated and concluded in the first period of the project (by M18) concerning scientific dissemination.

During the initial phase efforts have been made to set-up a dissemination strategy and roadmap and disseminate the project and its results via conferences and publications. The toolkit necessary for dissemination activities has been developed along the D6.3. D&C plan.

The scientific dissemination plan and activities will evolve as the project evolves and will adapt to the needs of the target audiences, the different activities carried by the consortium partners, and the interdisciplinary nature of the project.

The activities will be monitored by the Management Team with the participation of all consortium partner via the shared tracking file available on the project SharePoint, as well as at each GA meeting.

This report will be further updated with new versions at M36 and M48.

5. Appendix

Annex 1 List of potential journals for publications and events for participation as per DCE plan, v1

List of relevant open-access journals

Journal name	Website
Journal of Artificial Intelligence Research	www.jair.org
Information Fusion Journal	Information Fusion | All Journal Issues | ScienceDirect.com by Elsevier
IEEE Transactions on Artificial Intelligence	IEEE Xplore: IEEE Transactions on Artificial Intelligence
Artificial Intelligence	AIJ | Artificial Intelligence | Journal | ScienceDirect.com by Elsevier
Decision Support Systems	Decision Support Systems | Journal | ScienceDirect.com by Elsevier
AI Magazine	AI Magazine - AAAI
AI and Society	Home | AI & SOCIETY (springer.com)
Philosophy & Technology	Home | Philosophy & Technology (springer.com)
Science, Technology, & Human Values	https://journals.sagepub.com/home/sth
Big Data & Society	https://journals.sagepub.com/home/bds
Convergence	https://journals.sagepub.com/home/con
Computer Supported Cooperative Work (CSCW) — The Journal of Collaborative Computing and Work Practices	https://link.springer.com/journal/10606
IEEE Transactions on Robotics (T-RO)	https://www.ieee-ras.org/publications/t-ro
International Journal of Robotics Research, Robotics and Autonomous Systems	https://journals.sagepub.com/toc/IJR/0/0
IEEE Robotics and Automation Letters	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7083369
International Journal of Production Economics (IJPE)	https://www.sciencedirect.com/journal/international-journal-of-production-economics
European Journal of Operations Research (EJOR)	https://www.sciencedirect.com/journal/european-journal-of-operational-research
Omega	https://www.sciencedirect.com/journal/omega

Manufacturing Services and Operations Management (MSOM)	https://pubsonline.informs.org/journal/msom
Management Science (MS)	https://pubsonline.informs.org/journal/mnsc
IEEE Transactions on Knowledge and Data Engineering	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=69
The Knowledge Engineering Review	https://www.cambridge.org/core/journals/knowledge-engineering-review

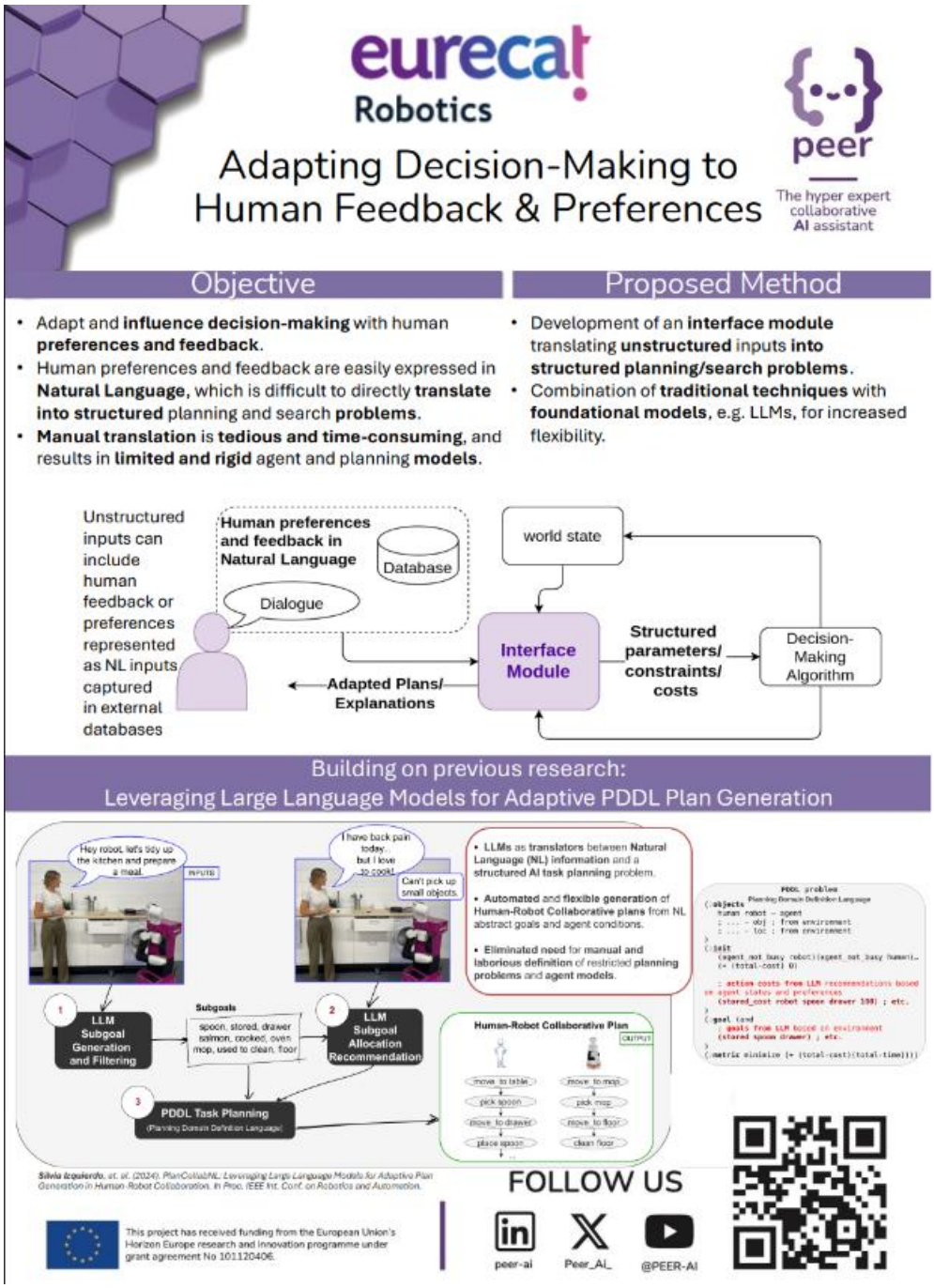
List of potential events relevant for the Project

Name event	Date and place	Website
ACADEMIA		
Association for the Advancement of Artificial Intelligence (AAAI)	**Yearly** Vancouver, Canada 20.02 -27.02 2024 2025/2026, TBD	AAAI-24 - AAAI
International Conference on Agents and Artificial Intelligence (ICAART)	**Yearly** Rome, Italy 24.02 – 26.02 2024 Porto, Portugal 23.02 - 25.02 2025	https://icaart.scitevents.org/
Autonomous Agents and Multiagent Systems (AAMAS)	**Yearly** Auckland, New Zeeland 06.05 - 10.05 2024 2025/2026, TBD	The 23rd International Conference on Autonomous Agents and Multi-Agent Systems | AUCKLAND, NEW ZEALAND, 6 – 10 MAY 2024
International Conference on Learning Representations (ICLR)	**Yearly** Vienna Austria 07.05 – 11.05 2024	https://iclr.cc/
CHI Conference on Human Factors in Computing Systems	**Yearly** Hawaii 10.05 - 16.05 2024, 2025-2026 TBD	CHI 2024 – May 11-16, 2024 in Honolulu, Hawai‘i (acm.org)
CHI conference (ACM Conference on Human Factors in Computing Systems)	**Yearly** Honolulu, Hawaii 11.05 -26.05 2024 2025/2026, TBD	CHI 2024 – May 11-16, 2024 in Honolulu, Hawai‘i (acm.org)

International Conference on Robotics and Automation (ICRA)	**Yearly** Yokohama, Japan 13.05 – 17.05 2024.	https://2024.ieee-icra.org/
The International FLAIRS Conference	**Yearly** Miramar Beach, Florida, USA 19.05 – 21.05 2024	https://www.flairs-37.info/home
International Conference on Automated Planning and Scheduling (ICAPS)	**Yearly** Banff, Alberta, Canada 01.06 – 06.06 2024	https://icaps24.icaps-conference.org/
ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT)	**Yearly** Rio de Janeiro, Brazil 03.06 – 06.06 2024	ACM FAccT Conference 2024
The International Symposium on Combinatorial Search (SoCS)	**Yearly** Kananaskis, Alberta, Canada 06.06 - 08.06 2024	https://socs24.search-conference.org/
International Communication Association conference (ICA)	**Yearly** Australia 20.06 - 24.06 2024, 2025-2026 TBD	International Communication Association (icahdq.org)
International Association for Media & Comm. Research annual conference (IAMCR)	**Yearly** New Zeeland 30.06 - 4.06 2024, 2025-2026 TBD	Home | IAMCR
European Association for the study of Science and Technology (EASST)	**Yearly** Making Doing Transformation 16.07 - 19.07 2024	Conferences - EASST
International Joint Conference on Artificial Intelligence (IJCAI)	**Yearly** Jeju, South Korea 03.08 - 09.08 2024 2025/2026, TBD	IJCAI 2024 – Jeju (ijcai24.org)
Society for Social Studies of Sicence Conference	**Yearly** Seattle, Washington, Sheraton Grand Hotel 03.09 -07.09 2025	4S Conference
International Conference on Intelligent Robots and Systems (IROS)	**Yearly** Abu Dhabi ,UAE. 14.10 – 18.10 2024	https://iros2024-abudhabi.org/
European Conference on Artificial Intelligence (ECAI)	**Yearly** Santiago de Compostela 19.10 – 24.10 2024 2025/2026, TBD	https://www.ecai2024.eu/

The International Conference on Knowledge Representation and Reasoning (KR)	**Yearly** Hanoi, Vietnam 02.11 – 08.11 2024	https://kr.org/KR2024/
Conference On Robot Learning (CORL)	**Yearly** Munich, Germany 06.11 – 09.11 2024.	https://www.corl.org/
European Conference on Machine Learning (ECML)	TBD	ECMLPKDD | Main / About
Fari Brussels Conference	TBD	
The IEEE International Conference on Tools with Artificial Intelligence (ICTAI)	TBD	https://ictai.computer.org/2023
INDUSTRY		
Tech Summit Europe	**Yearly** Amsterdam 18.04 2024 2025-2027 TBD	Tech Summit Europe 2024 (digitalagencynetwork.com)
Data Innovation Summit	**Yearly** Stockholm 24.04 – 25.04 2024	Data Innovation Summit 2024 (digitalagencynetwork.com)
World Summit AI	**Amsterdam** **8 & 9.10.2025**	World Summit AI Amsterdam
Big data expo Europe	TBD 2025-2026	AI and Big Data Expo Europe 2024 (digitalagencynetwork.com)
EUROPEAN COMMISION RELATED INITIATIVES		
ADRA Launch event	Online webinar 22.02 2024	Launch Event: showcasing the future of innovation in AI, Data, and Robotics | Adra-e
ADRA clustering event	TBD	Events | Adra-e
European AI alliance events	TBD	https://futurium.ec.europa.eu/en/european-ai-alliance
OTHER		
Privacy Camp Conference	End of January 2025, 2026, 2027	https://privacycamp.eu/

Annex 2 Example of posters presented at the review meeting in Amsterdam 6 December 2024



WP4 – Support | T4.1. (M1-M12)

Transparent and reliable measurement scales for the evaluation of trustworthy AI applications

Elise DURNERIN [1], Joseph GARDETTE [1], Aline ROC [1], Charles FAGE [1]

[1] CATIE, France

peer
The hyper expert collaborative AI assistant

Goal

- Need for novel tools to gather key quantifiable indicators and benchmark AI from a human-centric perspective.
- The PEER project is building the Artificial Intelligence Acceptance (AIA) index, intended for both end-users, and AI designers or technology providers (technical partners).

Process and first steps toward the AIA index

- Define constructs and produce a framework with a suitable set of indicators.
- Gather feedback with back-and-forth exchanges with end-users and the PEER use cases owners.
- Review, research and study existing measurement methods.
- Select tools and surveys as the backbone of the future AIA index.

What will be evaluated with the AIA index

Based on the inputs of the 1st year, we articulated our framework around the following main notions:

before use | 1st use | after use | long-term use

ACCEPTABILITY (*a priori* evaluation) | ACCEPTANCE (*a posteriori* evaluation) | ADOPTION



TRUST

Trustor
Emotions
Expectations
Demographics
Prior experience

Context
Constraints
Risks of the task
Circumstances

Trustee
Design
Reputation
Use-cases specific KPI

TRUSTWORTHINESS

- Human agency & oversight
- Societal & environmental well-being
- Situation awareness
- Privacy & data governance
- Collaboration
- Accountability
- Transparency
- Technical robustness & safety
- Usability & user experience
- Diversity, non-discrimination & fairness

Tool selection methodology

Qualitative | Quantitative | Behavioral

Checklists | Questionnaires | User logs

We reviewed 59 subscales from 18 surveys and checklists.



We selected 12 surveys as the backbone for the AIA index.

They are implemented on the Peac²h platform.

Lee, J.D., & See, K.A. (2004) "Trust in automation: Designing for appropriate reliance." *Human Factors* 46.1: 50-80.

Hoff, K.A., & Bashir, M. (2015) "Trust in automation: Integrating empirical evidence on factors that influence trust." *Human Factors* 57.3: 407-434.

Gursoy, D., et al. (2019) "Consumers acceptance of artificially intelligent (AI) device use in service delivery." *Int. J. Inf. Manage.* 49: 157-169.

High-Level Expert Group on AI. (2020) "Assessment List for Trustworthy Artificial Intelligence (ALTAI) for Self-Assessment."

Kohn, S.C., et al. (2021) "Measurement of trust in automation: A narrative review and reference guide." *Front. Psychol.* 12: 604977.

Jacovi, A., et al. (2021) "Formalizing trust in artificial intelligence: Prerequisites, causes and goals of human trust in AI." *Proc. ACM Conf. FAccT.*

McLarney, E., et al. (2021) "NASA framework for the ethical use of artificial intelligence (AI)."

Vereschak, O., et al. (2021) "How to evaluate trust in AI-assisted decision making? A survey of empirical methodologies." *Proc. ACM Hum.-Comput. Interact.* 5.CSCW2: 1-39

T4.1. (M1-M12)

- Notion documentation
- Framework construction
- Methods, tools, metrics selection
- Key challenges identification



Next steps

T4.2. (M13-M36) → T4.3. (M37-M48)

The AIA index: **Definition, design and prototype**

Guidelines and recommendations to use the AIA index and the associated tools and protocols

CATIE

This project has received funding from the European Union's Horizon Europe research and innovation programme under

FOLLOW US

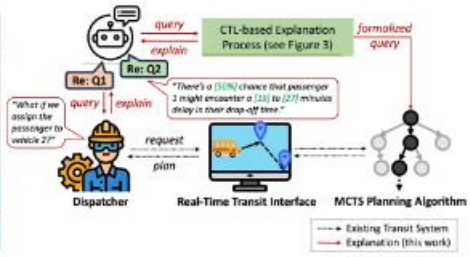
TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

peer
The hyper expert collaborative AI assistant

Enabling MCTS Explainability for Sequential Planning Through Computation Tree Logic

Main finding: We can compute helpful explanations for MCTS decisions in complex domains by translating user questions into CTL formulas, evaluating the formulas on the search tree (in some cases, after doing additional search), and translating the results back to English.





Query Type	Query Example	State Variable	CTL Formula
T1: Factual query	**Q1:** Is it expected that the [passenger] will be [picked up] on time? (Efficiency)	t_{est} estimated travel time; t_p request picked up time; t_a allowed time window	$\phi_1 : AG\,(t_{est} \leq (t_p + t_a))$
T2: Contrastive query	**Q2:** Why wasn't the passenger assigned to [this alternative vehicle]? (Efficiency & Hard constraint)	v_c vehicle capacity; v_o vehicle occupancy; t_d request drop off time; t_{est}; t_p; t_a	$\phi_1; \phi_2 : AG\,(v_o \leq v_c);$ $\phi_3 : AG\,(t_{est} \leq (t_d + t_a))$
T3: Query with tree expansion	**Q3:** Can you tell me more about [this alternative route]? (Efficiency & Hard constraint & Soundness)	v_t total travel time; v_r reasonable timeframe; t_{est}; t_p; t_d; t_a; v_c; v_o	$\phi_1; \phi_2; \phi_3;$ $\phi_4 : AG\,(v_t \leq v_r)$

Explanation Process

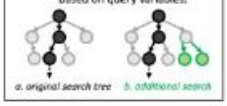
Step 1. User Queries to Logic Formulas
Obtain queries: $Q = \{q_1, q_2, ..., q_n\}$
- *Fill free variables in query template.*
- *Identify specification type from query.*

Output: CTL formulas to be checked.
e.g. $\phi_1(var1, var2) = AG\,(t_{est} < t_{allowed})$

Step 2. CTL Verification and Quantitative Evaluation
- CTL evaluation results.
  - $\varepsilon_i = eval(\phi_i) \quad \forall \phi_i \in \Phi$
- Quantitative evaluation results.
  - Delay percentage & range.
  - Average, upper & lower bound.

Step 3. Generating Explanations
a. Factual & contrastive queries.
- node $\models \phi_1$; node $\not\models \phi_2$
- Verifies actions and states in original search tree.

b. Queries that require path expansion.
- Performs additional search based on query variables.



Step 4. Template-Based Natural Language Explanations
- Obtain $\Xi_i = \{\varepsilon_1, \varepsilon_2, ..., \varepsilon_n\} \quad \forall q_i \in Q$ **from Step 3.**
- Convert to natural language explanations based on pre-defined templates.

e.g. there's a 50% chance that passenger 1 might encounter a [19 minutes] to [27 minutes] delay in their drop-off time.

Example output: "Based on the set of scenarios examined by MCTS, there's a chance that the passenger might encounter a delay in their drop-off time. This expected delay averages around [23 minutes]. The primary reason for this delay is that the proposed vehicle is expected to make stops at about [4 other locations] prior to reaching the passenger's drop-off point. However, the delay can be as short as [19 minutes] or extend up to [27 minutes]. The percentage of times the suggested vehicle doesn't meet the desired drop-off time is about [10%]."

Reference: Ziyan An, Hendrik Baier, Abhishek Dubey, Ayan Mukhopadhyay, Meiyi Ma (2024). Enabling MCTS Explainability for Sequential Planning Through Computation Tree Logic. 27th European Conference on Artificial Intelligence (ECAI 2024).

FOLLOW US

peer-ai Peer_AI_ @PEER-AI

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101120406.

PEER will focus on how to systematically put the user at the centre of the entire AI design, development, deployment, and evaluation pipeline, allowing for truly mixed human-AI initiatives on complex sequential decision-making problems. The central idea is to enable a two-way communication flow with enhanced feedback loops between users and AI, leading to improved human-AI collaboration, mutual learning and reasoning, and thus increased user trust and acceptance. As an interdisciplinary project between social sciences and artificial intelligence, PEER will facilitate novel ways of engagement by end-users with AI in the design phase; will create novel AI planning methods for sequential settings which support bidirectional conversation and collaboration between users and AI; will develop an AI acceptance index for the evaluation of AI systems from a human-centric perspective; and will conduct an integration and evaluation of these novel approaches in several real-world use cases.





This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101120406.