Winter 2025 Newsletter

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In this issue

In this edition, we explore key topics related to the **FAITH** project, including its latest developments, insights, and innovations. Below is the full index of this issue:

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Progress summary

During its first reporting period (M1–M18), the FAITH project made significant and well-coordinated progress, establishing a strong foundation for developing and validating a cross-sectoral framework for **AI trustworthiness**. The first review confirms that the project is fully aligned with its Description of Action. All the 16 planned deliverables were submitted on time and at a high standard, demonstrating strong internal coordination, effective quality control, and robust scientific and technical contributions across all Work Packages. A central achievement of this period is the delivery of the **first version of the FAITH AI Trustworthiness Assessment Framework** (FAITH AI_TAF). This framework represents a key conceptual and methodological milestone, providing a multidimensional structure to evaluate the trustworthiness of AI systems across technical, ethical, societal, and human-centric dimensions. The framework integrates a three-layered structure and extends it to capture broader vulnerabilities related to fairness, bias, explainability, robustness, and uncertainty. Complementing this, the project released the first version of the Data Management Plan, the Legal & Ethical Impact Assessment, and methodological foundations supporting the pilots, ensuring compliance with emerging regulatory, governance, and open science requirements.

The Review acknowledges FAITH's strong performance in project management, risk monitoring, and stakeholder engagement, highlighting in particular the External Ethics Advisory Board's active role and the systematic dissemination and communication activities. With more than 25 public presentations, multiple scientific articles, and a well-maintained web presence, the project demonstrates significant outreach. A major accomplishment of this period is the successful initiation of the **first phase of the seven Large-Scale Pilots,** which operationalize FAITH's trustworthiness framework across diverse, high-impact domains: **media, transportation, education, drones, industrial processes, healthcare, and active ageing.** Each pilot has completed its preparatory phase, including **stakeholder analysis, data collection planning**, initial **AI system development**, and **integration of ethical and privacy-by-design principles**.

Across pilots, early insights demonstrate the applicability and relevance of trustworthiness dimensions such as **fairness, explainability, robustness, usability, and accountability**. The pilots are not only technically aligned but also socially grounded, particularly in sensitive domains like media and healthcare, where **responsible AI deployment** is essential. Initial AI models have been delivered in several pilots, and pilot partners have established clear pathways for the upcoming replication phase. The consortium's **cross-pilot coordination mechanisms** ensure consistency, comparability, and efficient knowledge transfer, which are crucial for achieving FAITH's objective of generalizable, domain-independent AI trustworthiness methodologies.

Overall, the project is progressing very satisfactorily and is well-positioned to meet its scientific, technological, and societal objectives. FAITH has moved from framework development to pilot activities, showing significant potential for impactful outcomes in the next phase.

Under LSP1 – Media component

The FAITH Project's Large Scale Pilot

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The Media Large-Scale Pilot aims to evaluate the FAITH **dynamic risk management framework** and to identify how large language model-based technologies can be used responsibly within the media sector. This will be achieved through l**arge-scale piloting designed to test, assess, verify, and validate** the trustworthiness of the AI Intelligent Coaching application, internally developed by ATC and tailored to the needs of the FAITH project. The **AI Intelligent Coaching tool supports** efforts to counter disinformation by detecting fallacies, hate speech, and already-debunked claims in any input text.

The media organisation Freedom House—representing a network of 38 regional media outlets producing independent content—contributes more than 60 journalists/users through its extensive regional, national, and EU networks. With support from ATC, Freedom House strengthens media capacity and fosters greater engagement among journalists through the use of the AI Intelligent Coaching application.

To date, Freedom House, with ATC's support, has organised **four interactive workshops involving 40 participants from diverse media backgrounds**. These sessions demonstrated how journalists can effectively use the AI Coaching System to enhance reporting, fact-checking, and storytelling. Based on participant feedback, we have updated the trustworthiness assessment forms to **make them more intuitive and user-frie-**

ndly, helping journalists better evaluate their experience with the AI Coaching System. To maintain engagement we continue to share relevant articles and materials with participating journalists, encouraging them to upload content and exchange ideas through the platform.

In the next phase, by the end of the year, we plan to organise two to three additional workshops to further deepen journalists' engagement with the AI Coaching System and to strengthen the network of media professionals committed to digital innovation and ethical reporting. At the same we continue to engage the journalist on the platform, assuring that we build solid channels of communication. Therefore, we plan to update journalists at least twice per month with at least 2 media pieces, encouraging them to use the platform, and to analyse the efficiency, trustworthiness, and reliability of it.

Building Trust in AI: The FAITH Framework

Kitty Kisoski
CEO & Cofounder at trustilio B.V. [kitty.kioskli@trustilio.com]

Artificial Intelligence (AI) is changing how we live and work - from helping doctors diagnose diseases to making transport safer and supporting public services. But as AI becomes part of critical decisions that affect people's lives, the question of trust becomes essential: *Can we rely on AI to act safely, fairly, and ethically?*

To answer this, the FAITH project is introducing the **AI Trustworthiness Assessment Framework (AI_TAF)** - a structured, human-centric approach for ensuring that AI systems remain reliable and responsible throughout their entire lifecycle.

A New Human-Centric Perspective

Most existing AI risk frameworks focus mainly on technical controls such as data quality, cybersecurity, or algorithm performance. What makes FAITH's AI_TAF unique is its **focus on people** - the teams who design, develop, and use AI. The framework introduces a key innovation: the evaluation of **AI Team Trustworthiness Maturity,** which examines the readiness and ethical awareness of the people behind AI systems.

This approach recognises that *trust in AI depends not only on machines but on humans too*. Even the most advanced system can fail if those operating it lack the skills, understanding, or support to oversee it responsibly. By integrating social, ethical, and psychological aspects with technical safeguards, AI_TAF helps organisations build AI that is both safe and human-aligned.

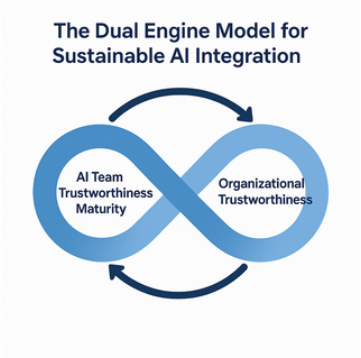

Figure 1. Dual Engine Model for sustainable AI Integration.

A Structured Path to Trusted AI

The AI_TAF follows a six-phase, iterative process inspired by international standards such as ISO 27005 and the NIST AI Risk Management Framework. These phases guide organisations from identifying potential AI threats to implementing measures that enhance safety, transparency, and fairness. At every step, the **human factor** is considered - ensuring that oversight, training, and ethical reflection evolve alongside technical development.

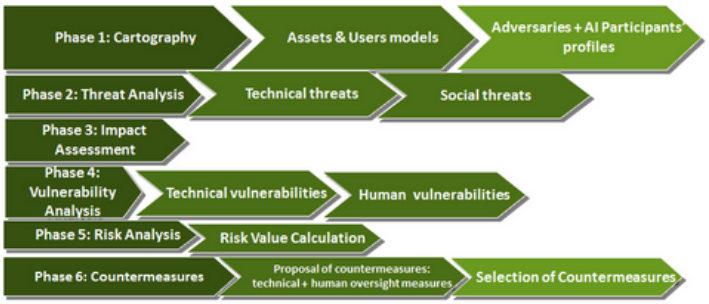

Figure 2. AI_TAF Phases.

In practice, this means AI_TAF can be applied to any system, from a hospital's diagnostic tool to an autonomous vehicle, offering a balanced view of both **technical risks and human readiness.** By combining these dimensions, organisations can make informed decisions, comply with regulations such as the EU AI Act, and, most importantly, strengthen public trust.

A Foundation for the Future

FAITH's AI_TAF marks an important milestone towards trustworthy, responsible, and inclusive AI. It encourages collaboration between engineers, ethicists, and decision-makers to ensure that AI truly serves people and society.
By focusing on both technology and the humans who shape it, FAITH sets the stage for a future where innovation and integrity go hand in hand.

Ageing with Confidence- FAITH's Active Ageing pilot

An interview with Pilar Sala, Chief Innovation Officer at ACTIVAGE Association

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Ageing with confidence means pairing compassionate care with privacy-first technology that quietly watches for risk and gives timely, understandable alerts to the people who matter most. FAITH's Active Ageing pilot does exactly that, using non-intrusive home sensors and explainable AI to help older adults live safely at home while lightening the load on families and caregivers.

To go deep into this concept, we talk with Pilar Sala, Chief Innovation Officer at Active Ageing Association and FAITH Active Ageing pilot leader, who shares insights into how this groundbreaking initiative is transforming home care through trustworthy technology.

In simple terms, what is FAITH's Active Ageing pilot trying to achieve?

It's a large-scale pilot that brings non-intrusive, privacy-preserving AI into real homes to spot changes in daily routines early and support ageing in place, without cameras, microphones or the need to wear a device. The goal is to empower older adults to maintain their independence while ensuring their safety through intelligent monitoring.

Why is this important for the Active Ageing Association's day-to-day work?

The pilot strengthens ACTIVAGE's mission by turning trustworthy AI into practical help with clear, explainable insights for timely decisions. It bridges the gap between cutting-edge technology and real-world care needs, making our work more effective and responsive.

How does the technology work behind the scenes?

Discreet infrared and door sensors are placed throughout the home, capturing simple activity patterns without intruding on privacy or dignity. Then, the AI layer continuously monitors daily routines, learning what's normal for each individual resident over time. When unusual behaviour patterns emerge, such as prolonged inactivity or unusual nighttime movements, the system flags these deviations. Caregivers receive clear notifications that explain why an alert was raised, enabling confident, informed responses.

What kind of difference can families and caregivers expect to feel?

Families gain reassurance knowing that technology is watching over their loved ones, even when they cannot be physically present while older adults continue living in familiar surroundings with dignity, supported by invisible technology that respects their autonomy.

Where is the pilot running now, and how big is it?

The initial phase runs in Valencia with a target of 250 participants, building on a pre-pilot where 45 older adults and 90 caregivers are already using the solution, before expanding to additional Spanish regions in the replication phase with another 250 users.

Trust is crucial—how are privacy and ethics handled?

Trust is absolutely crucial when introducing technology into people's homes. The FAITH project takes privacy and ethical considerations seriously, implementing multiple layers of protection and oversight. In the case of our pilot, no audio or video is used; the data collected and processed are pseudonymised and encrypted. Participants are provided with a clear and accsesible consent, our Data Protection Officer oversees compliance, and we have secured the ethics approval from an official Ethics Committee.

What's coming next as the project scales?

As the FAITH Active Ageing pilot scales, several exciting developments are on the horizon. The project will integrate FAITH's comprehensive trustworthiness tools, creating an even more robust and reliable system. Models will be continuously refined based on real-world feedback from participants and caregivers, ensuring the technology evolves to meet genuine needs. Growth across multiple locations over the project's duration will validate both the impact and readiness for wider adoption. This expansion isn't just about numbers—it's about proving that trustworthy AI can truly transform home care at scale, making independent living safer and more sustainable for older adults across diverse communities.

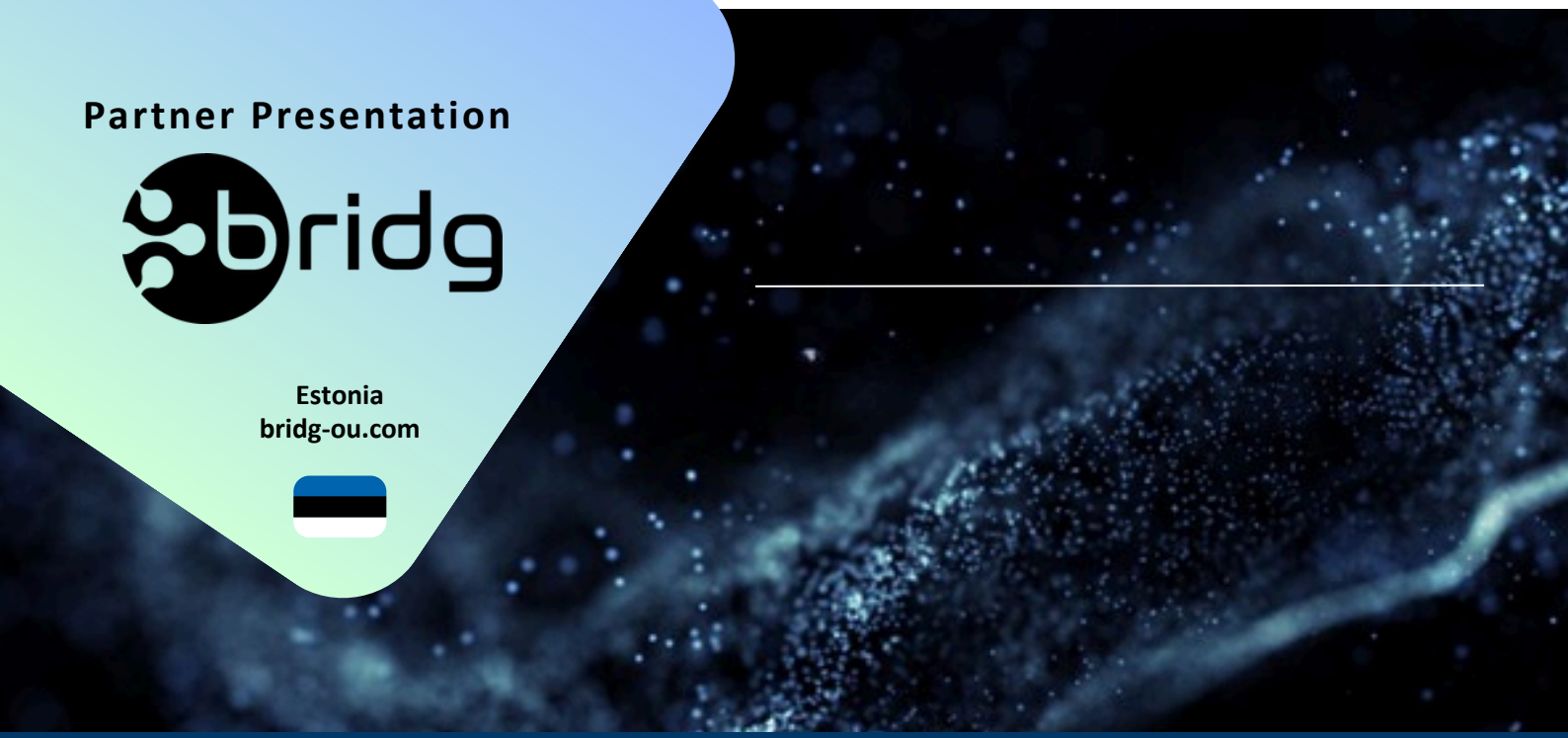
The FAITH Active Ageing pilot represents a new chapter in elder care—one where technology respects dignity, families find peace of mind, and older adults maintain the independence they cherish. Through thoughtful design, rigorous ethics, and real-world validation, this initiative is proving that ageing with confidence isn't just an aspiration, it's an achievable reality.

Pilar Sala

Pilar Sala is the Chief Innovation Officer at ACTIVAGE Association specializing in how technology supports active and healthy ageing across Europe.

Partner Presentation

Estonia
bridg-ou.com



BRIDG:
Digital solutions that are trustworthy, usable and sustainable

BRIDG is a dynamic SME specialised in the development and integration of advanced digital solutions in the health and wellbeing sectors. In the FAITH Large Scale Pilot on Active and Healthy Ageing, it participates as both a technology provider and data science partner, contributing to the development and deployment of AI-based solutions designed to help older adults maintain independence and quality of life in their preferred living environments.

The company brings together a multidisciplinary team spanning biomedical engineering, software development, data science, user experience design and regulatory compliance. This diverse expertise enables the creation of user-centric digital platforms and data-driven decision-support systems that are technically robust while remaining practical and accessible for real-world use. It operates across the full innovation cycle—from conceptualisation and prototyping to large-scale operational deployment—and also offers consultancy services to support organisations in research and innovation activities. The team works alongside care organisations, public administrations and end-user groups to ensure that the solutions are implemented effectively and evaluated under real-life conditions, providing continuous technical support throughout the pilot. Through this role, BRIDG reinforces its commitment to delivering digital solutions that are trustworthy, usable and sustainable, advancing healthier and more autonomous ageing for individuals and communities.

Within FAITH, the contribution focuses on the design and validation of monitoring and decision-support approaches, developing data processing workflows, feature engineering strategies and methods for interpreting behavioural and wellbeing patterns over time. Working in close collaboration with ACTIVAGE, the LSP aims to address the dual challenge of an ageing population and a shrinking care workforce by enabling the deployment of non-intrusive, privacy-preserving and trustworthy AI technologies that support ageing in place. These developments are guided by the FAITH AI Trustworthiness Assessment Framework (AI_TAF), ensuring that the deployed AI systems meet high standards of explainability, fairness, robustness, security, and privacy, fostering user confidence and ethical adoption.

Partner Presentation

activage® association

Spain
activage-association.org

ACTIVE AGEING ASSOCIATION:
Supporting Trustworthy Active Living Solutions

Activage Association is a European non-profit organisation dedicated to advancing Active and Healthy Living through trustworthy technology solutions. With 15 member organisations across the continent representing technology providers, research institutions, healthcare organisations, and municipalities, the association creates a collaborative ecosystem where European citizens can access innovative solutions for healthy living and wellbeing.

Activage Association's mission is to promote and scale up innovative solutions and services that help citizens live longer, safer, and healthier lives. The organisation is grounded in core values of trust, privacy, ethics, security, and fairness—principles that ensure technology serves human dignity and respects individual rights.

The association draws on extensive real-world experience implementing Active and Healthy Living services across diverse European communities. This proven track record spans multiple countries, healthcare systems, and socio-economic contexts, demonstrating deep understanding of seniors' needs and the practical challenges of scaling digital health interventions.

Within the FAITH consortium, Activage Association brings critical expertise to large-scale pilots in Active and Healthy Ageing—one of seven strategic domains where FAITH develops and tests trustworthy AI solutions. The association contributes:

- Domain Expertise: Activage provides specialised knowledge in designing, deploying, and evaluating technology solutions that genuinely benefit older adults and their caregivers, ensuring FAITH's AI systems are user-centred and responsive to real needs.
- Stakeholder Network: Through connections across technology partners, healthcare providers, municipalities, and end-user communities, Activage facilitates the co-creation and validation processes essential to FAITH's human-centred approach.
- Technical Infrastructure: The association maintains validated platforms and tools that enable secure, interoperable digital health services, which are essential requirements for implementing trustworthy AI at scale.

Beyond FAITH, Activage actively supports multiple European healthcare innovation projects, including initiatives in digital rehabilitation, cardiovascular care, and sustainable medical solutions, expanding the scope of digital health transformation across Europe.

As a FAITH partner, Activage exemplifies how European organisations can translate research innovation into sustainable, real-world impact, demonstrating that when technology is designed with human values, ethics, and trust at its core, it can genuinely transform lives and advance the well-being of Europe's ageing population.

News and events

Empowering Educators and Learners for the Age of AI

The EDEN Open Classroom Conference 2025 took place on November 7–8, 2025, at Ellinogermaniki Agogi, within the framework of the Discovery Space and AI4Edu projects. The event brought together leading experts to explore the transformative role of Artificial Intelligence in education. It provided an excellent opportunity to present the work carried out in the FAITH project, as part of the Education Large-Scale Pilot (LSP), highlighting approaches for trustworthy and ethical AI in school environments.

Innovation Train Journey & Rolling Conference: Firenze – Dresden

A delegation of 25 participants from across Europe, including representatives from the rail industry, research entities, and institutional bodies (from EU to regional level), travelled together from Firenze to Bolzano on a fully reserved coach. During the journey, the Institute of Information Science and Technologies (ISTI) of the National Research Council (CNR) of Italy presented key insights and comments on the adoption of Artificial Intelligence (AI) solutions in the railway domain. The discussion focused on the sustainable development and deployment of AI models, emphasizing how these technologies can enhance safety, efficiency, and resilience across the European rail system.

Bridging Artificial Intelligence for Underwater Drones at the Ports of the Future

On 4 March, the Port of Ravenna Authority hosted a dedicated stakeholder workshop for the European project FAITH, addressing and discussing the use of Artificial Intelligence for Underwater Drones and their trustworthiness, a topic of growing global relevance. Such technologies can significantly enhance port operations by enabling infrastructure inspection, damage assessment, prioritisation of maintenance tasks, and early detection of potential safety hazards.

Building Trustworthy AI for the Future of Rail and Mobility: Insights from the 2nd Acceleration Event in Pisa

From June 4-6, 2025, researchers from CNR-ISTI together with MERMEC Engineering took the stage at the 2nd Acceleration Event: “Artificial Intelligence Made Easy for the Railway and Mobility Value Chain” in Calambrone, Pisa. Their joint presentation focused on one of the most critical challenges in today’s AI landscape: building trustworthiness into AI systems, especially in safety-critical sectors such as rail and mobility.

Advancing Trustworthy AI: Insights from the “Future Ready – On Demand Solutions with AI, Data and Robotics” Event in Brussels

The FAITH consortium had a strong presence at the “Future Ready – On Demand Solutions with AI, Data and Robotics” event organised by the AI-on-Demand Platform and Adra – AI, Data & Robotics Association. ICCS–NTUA researcher Dimitris Apostolou presented among others the work progress of FAITH regarding the results up to now and possible future of trustworthiness in human-centred AI.

More news

Publications

- Dr Theofanis Fotis , Kitty Kioskli, Eleni Seralidou, **Charting Trustworthiness: A Socio-Technical Perspective on AI and Human Factors,** 10.54941/ahfe1006137
- Andrea Berti, Rossana Buongiorno, Gianluca Carloni, Claudia Caudai , Francesco Conti, Giulio Del Corso , Danila Germanese , Davide Moroni, Eva Pachetti , Maria Antonietta Pascali and Sara Colantonio, **From Covid-19 detection to cancer grading: how medical-AI is boosting clinical diagnostics and may improve treatment**
- Nikolaos Antonios Grammatikos, Evangelia Anagnostopoulou , Dimitris Apostolou and Gregoris Mentzas, **Towards Trustworthy AI in STEM Education: Challenges and Strategies from the Trust-AI Platform,** *Trust-AI Workshop of ECAI*

More publications

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