

ENFIELD HORIZON NEWSLETTER

THE FUTURE OF AI



ENFIELD 5TH GENERAL ASSEMBLY, TECHNISCHE UNIVERSITÄT CHEMNITZ, FEBRUARY 2026



▶▶▶ KEY HIGHLIGHTS

This meeting marked a strategic milestone as partners aligned final-phase objectives and reinforced ENFIELD's long-term impact strategy. Discussions focused on progress across the four AI pillars — Green, Adaptive, Human-Centric, and Trustworthy AI — while aligning priorities for sustainability, exploitation, and policy contributions. The consortium reaffirmed its shared commitment to advancing responsible AI across Energy, Healthcare, Manufacturing, and Space.

LOOKING AHEAD ◀◀◀

Beyond technical progress, the 5th General Assembly reinforced the importance of collaboration, cross-domain integration, and strengthening Europe's AI ecosystem. Discussions focused on standardization efforts, innovation pathways, research mobility impact, and policy contributions that will extend ENFIELD's legacy beyond the project lifetime. As ENFIELD enters its final phase, the consortium is committed to ensuring long-term sustainability, maximizing real-world impact, and accelerating trustworthy and energy-efficient AI innovation across Europe.



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2ND ENERGY & GREEN AI WORKSHOP

ADVANCING SUSTAINABLE AI FOR ENERGY SYSTEMS

Porto, Portugal

>>> ENERGY & GREEN AI IN FOCUS

Hosted by INESC TEC at the iconic Palácio da Bolsa in Porto, the 2nd Energy & Green AI Workshop brought together researchers, industry experts, and policymakers to explore how AI can accelerate the digital and green transition of the energy sector. The first day focused on smart grids, EV charging optimization, renewable forecasting, building efficiency, and explainable AI for sustainable systems. The second day was dedicated to the Green AI research pillar, focusing on the environmental footprint of AI models and on strategies to reduce energy consumption across intelligent systems.

>>> TOWARDS MORE SUSTAINABLE AI

The second day was dedicated to the Green AI research pillar, addressing the environmental footprint of AI models and exploring strategies to reduce energy consumption across intelligent systems. Discussions concluded with a collaborative session contributing to the ENFIELD White Paper, reinforcing the project's commitment to responsible, resource-aware AI innovation.



EXPERT PANEL DISCUSSION



ENFIELD AT THE INDIA AI IMPACT SUMMIT 2026

GLOBAL DIALOGUE ON RESPONSIBLE AI INNOVATION



ENFIELD was featured at the summit in New Delhi, highlighting the project's expanding international engagement.

Sagar Sen (SINTEF) hosted a World Café session that brought together AI experts for an interactive exchange on responsible and impactful AI development. The session demonstrated how cross-border collaboration within ENFIELD translates research into real-world AI solutions, reinforcing the importance of trustworthy and sustainable innovation. The event reflected ENFIELD's commitment to engaging in global dialogue and strengthening international cooperation in responsible AI.

3RD ENFIELD WEBINAR

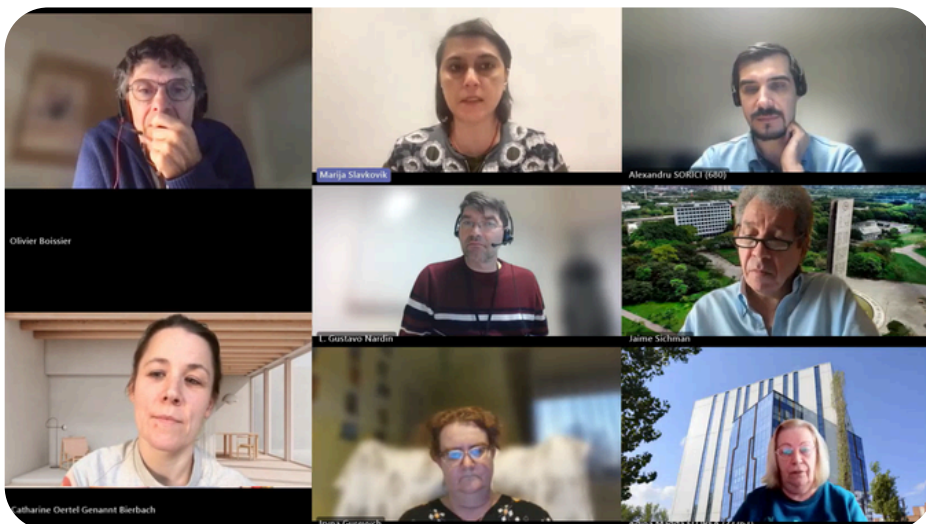
AI Agents and Human Insight

The ENFIELD webinar "AI Agents and Human Insight" brought together an international panel of experts and around seventy participants to explore how multi-agent intelligence and human reasoning can work together to shape trustworthy, adaptive, and socially responsible AI.

The session examined the technical foundations of agentic systems — including coordination, optimization, and decision-making — alongside the human and societal dimensions that determine how such systems can be deployed responsibly and at scale.

A key takeaway was clear: agentic AI must go beyond technical performance alone. To be safe and effective, systems should remain transparent, accountable, and aligned with human goals — reinforcing the need for Responsible AI and regulation-ready approaches in multi-agent systems.

The discussion reinforced ENFIELD's commitment to advancing human-centric and regulation-ready AI systems.



RESEARCH MOBILITY SPOTLIGHT



Through the ENFIELD research exchange programme, Bernd Schuscha (Materials Center Leoben Forschung GmbH – MCL) visited Know Center in Graz to advance research on Physics-Informed Machine Learning and Bayesian Optimization under uncertainty.

By integrating physical knowledge and smart sampling strategies, the collaboration improves robustness, efficiency, and sustainability in AI-driven materials development — reinforcing ENFIELD's commitment to Green and Trustworthy AI.

SUSTAINABLE & TRUSTWORTHY EDGE AI FOR ROBOTICS

HIPEAC 2026 - STRENGTHENING EUROPEAN COLLABORATION

ENFIELD actively contributed to the full-day workshop at HiPEAC 2026.

Key focus areas:

- AI integrity & governance
- Secure AI-as-a-Service models
- Sustainable Edge AI Systems

The workshop addressed one of the most pressing challenges in today's AI ecosystem: ensuring integrity, security, and trust in AI-as-a-Service (AlaaS) models. Discussions emphasized the importance of transparency, accountability, and robust governance mechanisms in distributed and real-world AI deployments. This contribution reflects ENFIELD's leadership in shaping trustworthy and sustainable Edge AI systems across Europe.



Cross-Project Collaboration

The programme featured keynote talks, peer-reviewed presentations, and an engaging panel session exploring current challenges and future directions in Edge AI for Robotics. Jointly organized by four EU-funded Networks of Excellence - ENFIELD, dAIEDGE, euROBIN, and ELIAS - the event fostered cross-project collaboration and strengthened engagement with the broader HiPEAC community.

AI POLICY AND STANDARDS

AI NOES HORIZONS & BEYOND

ENFIELD was represented by Astik Samal and Sabrina Bianchi (Gruppo Maggioli) in the second session of the AI NoEs Horizons | Q&A Series, dedicated to AI Policy and Standards and promoted by dAIEDGE.



The session brought together leading European Networks of Excellence — dAIEDGE, NoLeFa, EUSAiR, ELSA, and ENFIELD — for an open discussion on the present and future of AI collaboration in Europe.

Combining short presentations with a dynamic Q&A format, the meeting explored how responsible, collaborative, and sustainable AI is being developed across European initiatives, with particular focus on policy alignment and standards development.

The discussion reinforced ENFIELD's active engagement within the AI NoEs ecosystem and its commitment to strengthening cooperation, governance frameworks, and tangible impact at European level.

