



HARPOCRATES Highlights: Project Progress and Achievements

NEWSLETTER



Over the past three years, the project has advanced the state of privacy-preserving technologies for secure data sharing and analysis. Bringing together Functional Encryption, Homomorphic Encryption, and Differential Privacy with machine learning, the consortium has developed new frameworks and demonstrators that make it possible to analyze sensitive data without compromising privacy.

With **13 partners from 9 European countries** – universities, hospitals, SMEs, and public bodies – coordinated by Tampere University in Finland, HARPOCRATES has been supported by Horizon Europe and UKRI funding until October 2025.

As the project comes to a close, this final newsletter looks back at its key outputs:

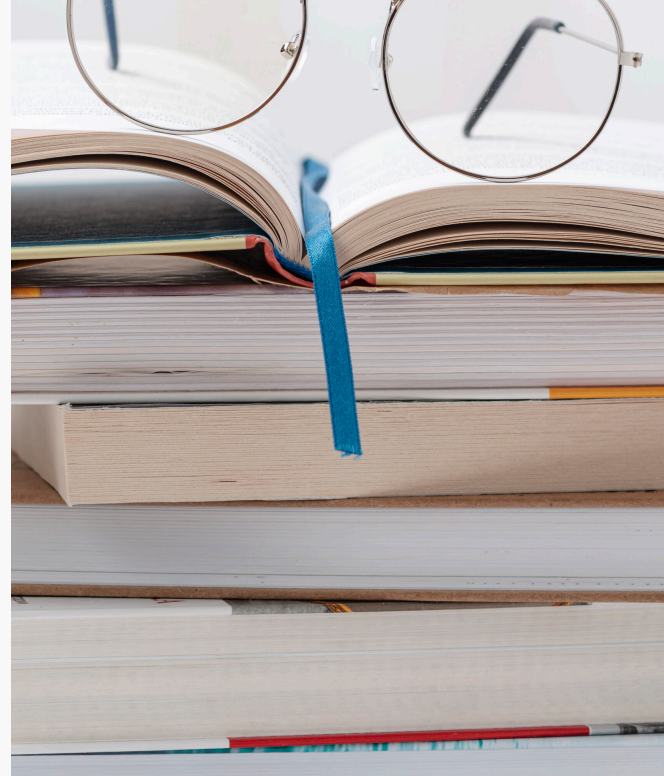
- **Scientific publications** that have shared results with the research community.
- **Public deliverables** capturing methods, tools, and lessons learned.
- **Communication materials and videos** that make results accessible to wider audiences.
- **Events and outreach**, including participation in Zaragoza, Warsaw, Paxos, and the National Seminar on Responsible AI
- **Whitepaper on DPIA practices** sharing insights from HARPOCRATES and other EU-funded projects
- **Demonstrators**, each with its own dedicated post, showing how HARPOCRATES technologies can be applied in practice.

RESEARCH

Scientific Publications

HARPOCRATES has produced **22 conference papers, 3 journal articles, and 1 book chapter** to date. These span top venues such as ESORICS, PETS, SACMAT, SecureComm, CCS, and IEEE Transactions, covering advances in encryption, federated and split learning, and confidential computing. Together, these outputs reflect the project's strong scientific impact and commitment to privacy-preserving technologies.

[Explore all scientific publications >](#)



OUTPUTS

Deliverables

HARPOCRATES makes a selection of its project deliverables publicly available, providing insight into the consortium's work and progress. These documents cover areas such as technical developments, use case design, communication activities, and innovation management. They are a valuable resource for stakeholders who want to follow the project's trajectory and access detailed information about its outputs.

[Explore all public deliverables >](#)

Communication Materials

HARPOCRATES has developed a range of communication materials to support outreach and visibility. These include videos, brochures, posters, roll-ups, and other visual assets that present the project's goals, results, and demonstrators in an accessible way. The materials are designed to engage different audiences, from researchers and policymakers to industry stakeholders and the wider public, and ensure consistent messaging across all communication channels.

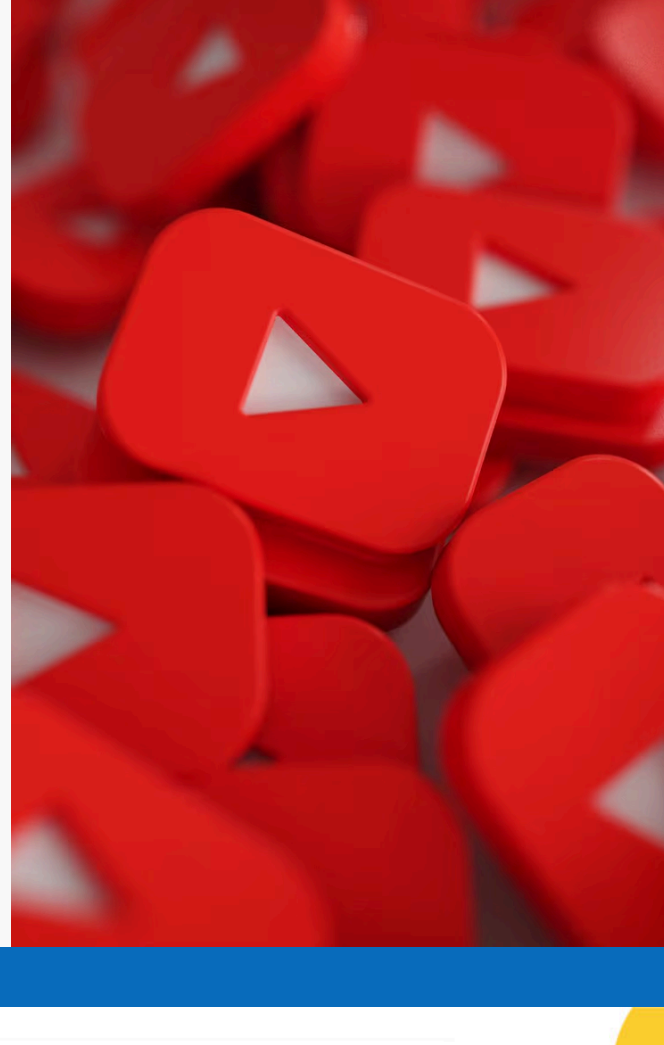
[Explore all communication materials >](#)

STORIES

Videos and YouTube Channel

To complement written outputs, HARPOCRATES has created video materials such as a **project video** introducing its goals, the **HARPOCRATES Voices** series with partner insights, and a **MOOC** on privacy-preserving technologies. These resources explain objectives, showcase demonstrators, and highlight achievements, making results accessible to both technical and non-technical audiences.

[Explore all on YouTube channel >](#)



HARPOCRATES at “Personas que hacen el cambio” in Zaragoza

On 11 June 2025, HARPOCRATES joined the Zaragoza event *Personas que hacen el cambio* (“People Who Drive Change”), co-hosted with S2 Grupo, SARGA and SDA. The session showcased how privacy-preserving technologies and AI can transform public administration, with project case studies presented in collaboration with the Government of Aragón and regional stakeholders.

[Read more >](#)



HARPOCRATES at the Security Research Event 2025

On 24–25 June, HARPOCRATES took part in the Security Research Event in Warsaw, organized by the European Commission. The project presented its approach to privacy-preserving data sharing, combining advanced cryptography and machine learning. Consortium representatives engaged with policymakers and experts, and European Commissioner Magnus Brunner visited the stand, highlighting the importance of trusted data technologies.

[Read more >](#)



Final HARPOCRATES Plenary Meeting in Paxos, Greece

On 8 May 2025, the HARPOCRATES consortium gathered for its final plenary meeting on Paxos Island, Greece. The partners reviewed core technical outcomes, aligned on closure plans, and showcased two demonstrators: one in sleep medicine and the other in threat intelligence, highlighting real-world applications of the project's privacy-preserving technologies. The meeting also addressed sustainability, legal compliance, and future exploitation of results.

[Read more >](#)



National Seminar “Responsible AI: Risks, Uses and Limits”

HARPOCRATES was presented at the National Seminar *Responsible AI: Risks, Uses and Limits*, which gathered experts to discuss ethical, legal, and technical aspects of artificial intelligence. The project's contribution focused on how privacy-preserving cryptography can support responsible AI adoption in health and security domains.

[Read more >](#)



NEW WHITEPAPER

Guidance for DPIA practices from EU-funded projects

New Whitepaper on DPIA Practices Publishes Insights

HARPOCRATES contributed to a new whitepaper, *Guidance for DPIA Practices from EU-Funded Projects*, which shares lessons on GDPR compliance and privacy-preserving data analysis. The paper highlights how HARPOCRATES applies functional and homomorphic encryption with risk mitigation and secure key management.

[Read the full white paper >](#)



DEMONSTRATOR 1

Threat Intelligence Sharing Between Local Authorities

The HARPOCRATES Cybersecurity Demonstrator applies cryptography and machine learning to improve digital security. It demonstrates how encrypted analytics can support effective threat detection and defence, ensuring that sensitive data remains protected and compliant with privacy standards.

[Read more >](#)



DEMONSTRATOR 2

Collaborator Use of Machine Learning in Sleep Medicine

The HARPOCRATES Healthcare Demonstrator shows how privacy-preserving cryptography and machine learning can be used to analyse sensitive health data securely. It demonstrates how advanced encryption techniques enable valuable insights while safeguarding patient privacy.

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