# Press Release

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## TELEMETRY: Advancing IoT Cybersecurity Through Research, Innovation and Collaboration

As the EU-funded TELEMETRY project approaches completion, it leaves behind a collection of cybersecurity tools, validated solutions and research results that contribute to making IoT systems more secure and resilient.

Over the past three years, TELEMETRY has brought together researchers, technology providers and industry partners to address cybersecurity challenges across the entire lifecycle of IoT devices and systems. The project focused on developing practical methods and automated tools to help organisations identify vulnerabilities, assess risks and strengthen their cybersecurity practices.

One of its main achievements is the development of tools supporting cybersecurity testing, monitoring, threat detection and trust assessment. Several of these tools have been made publicly available through GitHub, allowing researchers, developers and other interested stakeholders to access the source code and further explore the project's results.

**Testing solutions in real-world environments**
Beyond technological development, TELEMETRY placed particular emphasis on the practical application of its results.

Through three Use Cases covering different IoT cybersecurity scenarios, including aviation, smart manufacturing and telecommunications, partners tested and demonstrated the developed solutions in realistic environments.

These activities were complemented by technical training sessions, hands-on demonstrations and knowledge-transfer workshops, helping participants become familiar with the tools and methodologies developed throughout the project. The training activities also provided opportunities to exchange experiences, collect feedback and support the further use of TELEMETRY's results.

**Contributing to research and the wider cybersecurity discussion**

TELEMETRY also made an important contribution to cybersecurity research, with scientific publications and presentations at major international conferences, including IEEE Symposium on Security and Privacy (S&P), IEEE SmartComp, IFIP SEC, ACM SACMAT and the ETSI Security Conference.

Through these activities, project partners shared research findings, presented technological developments and engaged with researchers, industry professionals and cybersecurity experts. Their participation helped bring TELEMETRY's results into the wider scientific and technical discussion, while contributing new knowledge and approaches to IoT security.

A particularly important activity was the co-organisation of the LIFESEC (Whole-Lifecycle Security for Smart Systems) workshop, held for two consecutive years as part of IEEE SmartComp. Following its first edition in Cork, Ireland, in 2025, the workshop returned in June 2026 in Messina, Italy, bringing together six Horizon Europe projects: TELEMETRY, DOSS, EMERALD, COBALT, CUSTODES and CURIUM. The workshop provided a platform for researchers and cybersecurity experts to exchange knowledge, present their latest developments and discuss approaches to security throughout the lifecycle of IoT and cyber-physical systems. TELEMETRY also presented its tools and Use Cases, gathering valuable feedback from participants.

The project's contribution also extended to the policy level. Through a dedicated policy brief addressing the European Vulnerability Database, TELEMETRY brought research-based insights into discussions on European cybersecurity policy, highlighting issues relevant to vulnerability management and the evolving regulatory landscape.

Collaboration was another important part of the project's work. TELEMETRY joined forces with other EU-funded projects and organisations through initiatives such as ECSCI and the EC3 cluster, participating in joint events, workshops and knowledge-sharing activities. These collaborations helped amplify the project's results, connect complementary research efforts and strengthen the collective contribution of European projects to cybersecurity.

**A lasting impact beyond the project**

TELEMETRY's impact goes beyond the technologies developed during its implementation. By bringing together scientific research, practical validation, training, policy contributions and collaboration, the project has helped advance the discussion on IoT cybersecurity and supported the development of more secure and trustworthy digital ecosystems.

As TELEMETRY reaches its final stage, its publicly available tools, scientific publications and research outcomes provide a foundation for further development and potential adoption by the wider cybersecurity community.

More information about the project, its results and publicly available tools can be found at www.telemetry-project.eu.

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