

Final dissemination event on project results – Report

Abstract

The LoLiPoP-IoT project, part of the EU Chips Act JU initiative, held a one-day final dissemination workshop to showcase proofs of concept and demonstrate achievements across its ten use cases. The event took place on Wednesday, May 27, 2026, as part of the EnerHarv 2026 conference in Madrid, which offered a unique platform for innovation exchange on exploitation issues and networking with other experts in energy efficiency and harvesting.

Final dissemination workshop

Madrid, May 27, 2026 – The LoLiPoP-IoT project, part of the EU Chips Act JU initiative, held a one-day final dissemination and exploitation workshop. The event took place at the historical building of the Escuela Técnica Superior de Ingenieros Industriales (ETSII-UPM) in Madrid and offered a unique platform for exchanging information on the project results and for networking with academic experts and practitioners in the field.

The final dissemination workshop was organised under the leadership of the LoLiPoP-IoT coordination team, comprising the project coordinator, the technical coordinator, and the project management team, in close collaboration with the dissemination manager, and with strong support from the project partner UPM, acting as the local organiser. Within the workshop, the project partners presented key innovations and results developed over the past three years. The workshop participants numbered more than 70, mostly from the EnerHarv 2026 workshop. As EnerHarv is a focal point for a community of experts and users of energy harvesting and related technologies to share knowledge, best practices, roadmaps, and experiences, and to create opportunities for collaboration, the dissemination workshop has been a perfect fit for exchange on the LoLiPoP-IoT innovations and their potential impact on the community and their markets.

Schedule of the Event:

- **Morning Session:** Presentations by LoLiPoP-IoT partners on cutting-edge technologies and the achievements in real-world use cases, along with short pitches of about 20 posters (with several use case demonstrators) showing the results in more detail.
- **Afternoon Session:** Interactive poster and demo session to discuss project results in detail.

The workshop was designed to disseminate the LoLiPoP-IoT results and to prepare for exploitation opportunities outside of the consortium.

After the EnerHarv welcome and introduction and the first keynote given by Teresa Riesgo, Secretary General of Innovation, Ministry of Science, Innovation and Universities, Spain, who spoke about “European policies of research and innovation for sustainable technology development: challenges and opportunities” the LoLiPoP-IoT final dissemination event started its first part presenting the project in the Systems/Applications Session (1B), also introducing the posters prepared to show and explain the project’s achievements in detail.

The initial project presentation stressed that, by integrating energy-harvesting technologies (light, heat, vibrations, RF) with advanced micro-power management, the LoLiPoP-IoT aims to minimise power consumption and maximise the use of ambient energy sources. This approach enabled extended battery life or, in many cases, full power autonomy for WSN modules. LoLiPoP-IoT united a dynamic ecosystem of about 40 partners, including developers, integrators, and users across 10 European countries. The project's goal was to ensure these platforms are practical, sustainable, and impactful, demonstrated through ten laboratory- and field-based use cases.



LoLiPoP-IoT, at the forefront of developing Long Life Power Platforms to retrofit wireless sensor network (WSN) modules for Internet of Things (IoT) applications presented itself using the following well-known and established pattern: LoLiPoP-IoT was presented by the partner TST (representing a part of the Spanish industry), reporting on objectives, the consortium, expected outcomes and impacts, before the technical presentations on results from LoLiPoP-IoT partners started. These presentations focused on specific functionalities (asset tracking, condition monitoring, and energy-efficient buildings) that LoLiPoP-IoT addressed, and led to the project's innovations demonstrated by the ten real-world use cases in Industry 4.0, smart mobility, and energy-efficient buildings. The technical content of the project, which comprised algorithms, power sources, WSN IoT edge devices, simulation and metrology tools, was presented indirectly, as the presentations mainly stressed how LoLiPoP-IoT enables and improves the above-mentioned functionalities.

The presentations in the session led by the technical coordinator, Michael Hayes from Tyndall, were given by:

- Alona Shcherbakova (Celestia TST) – Introduction and Overview of LoLiPoP-IoT
- Shruti Kathuria (Boston Scientific) – Asset Tracking Use Cases
- Julius Gissing (Fraunhofer IZM) – Condition Monitoring Use Cases
- Marc De Samber (Signify) – Energy Efficient Building Use Cases
- Mathias Axling (CNET) – Reference Architecture & White Paper





A big thanks belongs to all speakers for inspiring sessions that set a good appetiser for all attendees who showed strong interest in long-life, energy-autonomous IoT solutions!

After the LoLiPoP-IoT session, the poster session was opened during the breaks in the conference program, allowing initial discussions, although the poster and demo pitches followed later, just before the poster and demo session. The following pictures illustrate the poster presentations.





For more information, visit the LoLiPoP-IoT project website: www.lolipop-iot.eu

Summary & Conclusions

The workshop offered a perfect opportunity for broad exchange with the EnerHarv community and led to several follow-up contacts. It also showed that LoLiPoP-IoT is recognised as a project that delivers value.



LoLiPoP-IoT consortium during the project meeting in Madrid in June 2026