LICORICE

NEWSLETTER

FIRST NEWSLETTER OF LICORICE'S PROJECT !

FIRST-YEAR NEWS AND EVENTS...

LICORICE PROJECT

STAY SECURE, STAY SMART

➔ ABOUT US

LICORICE is creating reliable and scalable tools for self-sovereign identity and data protection.

Partnering with 12 organizations across 8 EU member states, we deliver secure data sharing, enhance digital services, and foster innovations in sectors like eHealth and cybersecurity.

STRONG START FOR LICORICE!

October 2024 marked the beginning of our journey towards more reliable and scalable tools for privacy, cybersecurity, and digital sovereignty.

LICORICE brings together European experts to build the foundations of trust in data sharing and self-sovereign identity.

PRIVACY BY DESIGN FOR AI: WORKSHOP INSIGHTS

Explore how ISO SC44 is shaping consumer protection in AI through an interactive workshop with hands-on brainstorming and expert-led discussions.

DIGITAL ID & DATA GOVERNANCE

LICORICE hosted an exclusive session with CEI-Sphere on DLT and edge computing solutions for secure and privacy-preserving digital identity management.

...and the list goes on!

LICORICE KICK-OFF

LICORICE
Project Kick-Off

Reliable and scalable tools for self-sovereign identity and data protection framework
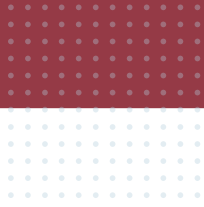
On October 3rd, 2024, the LICORICE project officially kicked off, marking the start of an ambitious European initiative aimed at strengthening digital sovereignty and privacy-preserving technologies.

The project, whose name stands for reLIable and sCalable tOols foR self-sovereign Identity and data proteCtion framEwork, brings together experts and partners across the continent to develop innovative solutions in cybersecurity, identity management, and secure data sharing.

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WORKSHOP ON DIGITAL ID MANAGEMENT AND DATA GOVERNANCE

Workshop on Digital ID management and data governance through emerging edge computing and DLT solutions. Earlier this year, we invited the LICORICE community to an exclusive workshop on Distributed Ledger Technology (DLT) solutions, presented by CEI-Sphere

HOW TO SHAPE THE FUTURE OF CONSUMER PROTECTION:
PRIVACY BY DESIGN (ISO 31700) IN THE WORLD OF AI

As artificial intelligence continues to reshape our daily lives, embedding consumer protection and privacy from the very beginning of technology design has become more crucial than ever.

Earlier this year, an interactive workshop brought together experts to explore how the new ISO/IEC JTC 1/SC 44 sub-committee — building on the work of ISO Project Committee 317, which published ISO 31700 — can guide the future of consumer protection in the age of AI.

Using Robert Jungk's Future Workshop methodology, participants brainstormed and exchanged ideas across technical, legal, academic, and advocacy fields.

Led by former PC317 members, the workshop helped define priorities and creative directions for next-generation Privacy by Design standards, providing insights that will guide SC44's future work on safer, privacy-focused AI.

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GENERAL ASSEMBLY

On May 14–15 2025, the LICORICE consortium met at the Universidad de Sevilla, hosted by IMSE-CNM, for a productive General Assembly.

Partners collaborated to align pilot sites with technical work packages, refine use cases, and map the architecture of the LICORICE toolset. The meeting also set the course for upcoming milestones and deliverables.

A warm thank you to all participants and to our hosts in Seville for their hospitality!

TRUSTED WEBINAR ON PRIVACY & IDENTITY IN EUROPEAN DATA ECOSYSTEMS

On June 19, LICORICE took part in the Trusted Webinar on Privacy & Identity in European Data Ecosystems. During this two-hour session, Diana Jimenez, Engineering Consultant at Trialog and LICORICE Coordinator, presented the project's approach to privacy-preserving identity frameworks.

The event provided a valuable opportunity to share LICORICE's vision and innovative tools for secure digital identity and data protection across Europe.

Sharing trustworthy AI models

On June 16, 2025, the OECD organized an expert workshop in Ottawa on Privacy-Enhancing Technologies (PETs) and AI. Antonio Kung (Trialog), representing ISO, participated alongside international stakeholders to discuss practical approaches for sharing AI models while safeguarding data privacy.

The workshop highlighted real-world use cases for PETs such as federated learning, homomorphic encryption, and differential privacy, and explored the creation of a global repository of PETs use cases.

LICORICE plans to build on these insights by developing privacy-focused applications involving Self-Sovereign Identity (SSI) and other innovative PET solutions.

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SECPID Workshop

On August 11, the LICORICE project co-organized SECPID 2025, the 6th Workshop on Security, Privacy, and Identity Management in the Cloud, held as part of the ARES Conference on Availability, Reliability and Security.

The event provided a valuable opportunity to exchange ideas on quantum-resistant security, privacy-enhancing technologies, identity management, and secure communications in constrained environments.

LICORICE shared its insights and engaged with other leading initiatives in the field, contributing to the ongoing dialogue on privacy and data protection in the digital era.

The ARES Conference is an annual international event focused on cybersecurity, privacy, and the dependability of information systems. It brings together researchers, industry experts, and policymakers to share knowledge and explore the latest innovations in secure and resilient digital technologies.


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The Hourglass Model

At AIOTI Days 2025, held on 22–23 September 2025 in Madrid, Diana Jimenez presented how the LICORICE project applies the "hourglass" model to structure a Self-Sovereign Identity (SSI) and federated privacy ecosystem within data spaces, such as eHealth and Cyber Threat Intelligence.

Read more about the event here :
https://aioti.eu/wp-content/uploads/AIOTI-Days-2025-S2-Diana-Jimenez.pptx.pdf
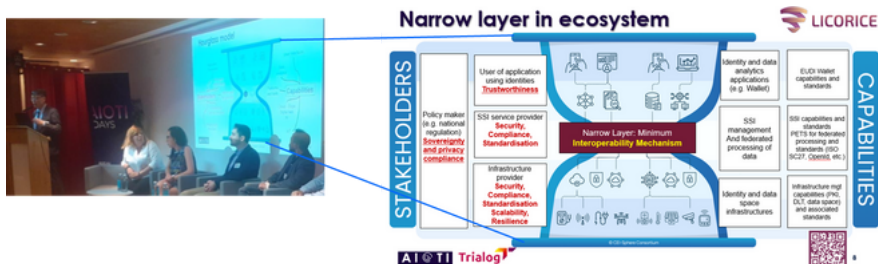
LICORICE : Guidance on the Hourglass

Diana Jimenez

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The presentation highlighted:

- The key stakeholders of the ecosystem — application users, infrastructure providers, SSI service operators, and policy authorities — along with their main requirements: sovereignty, compliance, standardisation, and scalability.

- The layered architecture of the ecosystem: infrastructure and management (PKI, DLT, data space), SSI services, applications (wallets, data analytics), and minimal interoperability mechanisms.

- The "hourglass narrow layer" approach: identifying a minimal set of interoperability mechanisms (the "narrow waist" of the hourglass) that enable a wide range of applications and infrastructures to work together coherently and securely.
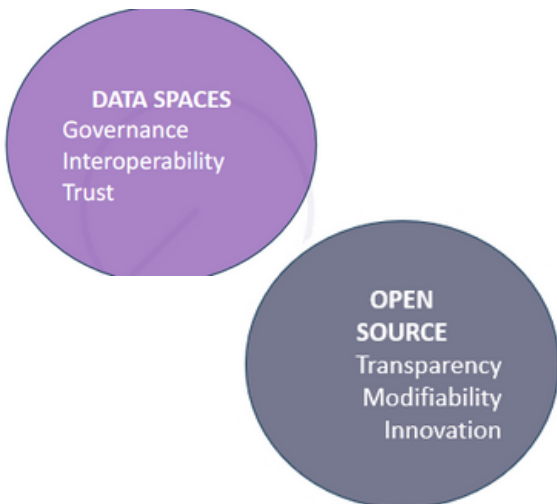
Open source

This work reinforces LICORICE's mission to foster large-scale adoption of privacy-preserving SSI and data-sharing solutions, and contribute to standardisation in key domains.

Read more about the event here :
https://www.eclipse.org/events/2025/oscd/presentations/23-LICORICE.pdf

Presented by:
Diana.E Jimenez Bejarano

- The core capabilities and standards targeted by LICORICE, including EUDI Wallet features, SSI capabilities, Privacy-Enhancing Technologies (PETs) for federated processing, and standards such as ISO SC27 and OpenID.

- Synergy with Data Spaces:
  - Global Expertise (By IDSA) Provides frameworks, standards, and open-source components.
  - Ensures LICORICE outputs fit EU Data Strategy goals.
  - Works with DSSC (technical foundations) & DSBA (business adoption).

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Beyond the Spotlight:
Other Events We Participated In

Activity Title	Description	Date	Location	Partner
Guest Lecture/ Workshop / Talk	**Lecture introducing LICORICE advancements, focusing on Privacy-Preserving Neural Network Inference (PP-NNI).**	**Mar 20, 2025**	**Amsterdam, NL**	UvA
Press release	**Communication promoting gender equality, mentioning identity protection in the EUDI Wallet.**	**Apr 21, 2025**	**Online**	US
Feria de la Ciencia 2025	**Exhibition of LICORICE demonstrators (crypto-biometric authentication in EUDI Wallet reference implementation) at a science fair.**	**Apr 22-23, 2025**	**Seville, Spain**	US
Martigny Biometrics Workshop	**Attendance to talks, exhibition of a poster/demonstrator (crypto-biometrics for EUDI Wallet), and networking.**	**May 19-20, 2025**	**Martigny, CH**	US
Finalist of the European Digital Mindset Awards 2025	**US was a finalist for "Best Tech Innovation, Public Sector" for developing secure digital identity wallets.**	**Jun 10-12, 2025**	**Malaga, Spain**	US
Digital Privacy & Identity in European Data Ecosystems	**Collaboration with EU-funded projects on privacy-preserving identity frameworks for the digital landscape.**	**Jun 19, 2025**	**Online**	Trialog
6th Workshop on Security, Privacy, and Identity Management in the Cloud - SECPID 2025	**Symposium to discuss innovative ideas on long-term security, identity management, and privacy-enhancing technologies.**	**Aug 11, 2025**	**Ghent, Belgium**	AIT, TUG, UMU
IFIP Summer School on Privacy and Identity Management 2025	**School facilitating the exchange of knowledge on privacy, data protection, and identity management.**	**Aug 19-22, 2025**	**Copenhagen, DK**	AIT, TUG

Beyond the Spotlight: Other Events We Participated In

| Activity Title	Description	Date	Location	Partner
Talk at PET-CON 2025.2	Academic forum focused on Privacy-Enhancing Techniques.	Sep 4-5, 2025	Salzburg, Austria	TUG
AIOTI Days	Presentation of the Hourglass model within the LICORICE project context.	Sep 22-23, 2025	Madrid, Spain	Trialog
Open Source Day	Participation in meetings to present LICORICE work and commitment to Open Source (focusing on print material).	Sep 23-24, 2025	Madrid, Spain	Trialog
Open Source Day	Participation in meetings to present LICORICE work and commitment to Open Source.	Sep 23-24, 2025	Madrid, Spain	Trialog
EABXCERIS: Biometrics in Action for Border Management	Talk presenting LICORICE and exhibition of a demonstrator/poster on crypto-biometric techniques.	Sep 24, 2025	Darmstadt, DE	US
EABxNIST Training: Biometrics and Performance Measurement	Training on key performance aspects across the entire biometric lifecycle.	Sep 24, 2025	Darmstadt, DE	US
Talk at the CiberJueves of Comillas University	Talk given to about 40 students and professors of the Cybersecurity Master's program.	October 4, 2025	Madrid	NEC
Booth at Data Spaces Symposium 2025	The largest event in the area of data spaces. LICORICE presented a booth and project concepts, communicated by the IDSA team.	November 3, 2025	Warsaw	IDSA
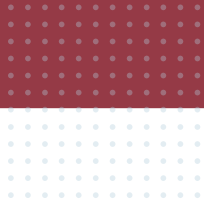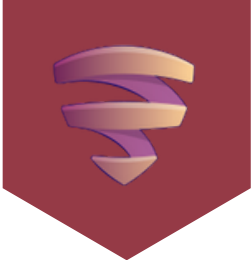
Our partners

A big thank you to all our consortium partners!

We are proud to collaborate with a diverse and dedicated team of partners across Europe, working together to advance digital sovereignty, privacy-preserving technologies, and secure identity solutions.
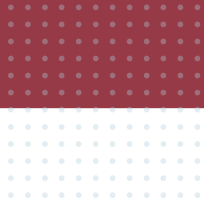
Contact US !

📞 **+33144706100**

✉️ **Our mail**

Reach out to us — we'd be happy to help and keep you updated.
Get in touch and stay connected with us !

🌐 **https://www.licorice-horizon.eu/**

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