

Tyche Institute — EU Collaboration Profile

Trustworthy AI · secure systems · evidence and interoperability

2 August 2026

Who we are

Tyche Institute MTÜ is an independent non-profit research association in Tallinn, Estonia. We work where trustworthy AI, cybersecurity, secure digital infrastructure, interoperability, open standards, and public-sector governance meet.

Legal: Estonian non-profit association · registry code 80673227

EU participant: PIC 862810151 · research organisation · private non-profit

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What we bring to a consortium

1. **Evidence engineering.** Machine-verifiable records, test vectors, failure taxonomies, provenance, audit trails, and cross-verifier evaluation for AI-mediated and security-sensitive processes.
2. **Independent evaluation.** Adversarial scenarios, assurance claims and evidence mapping, reproducible experiments, and transparent statements of what evidence does and does not prove.
3. **Interoperability.** Interfaces between AI governance, remote attestation, cryptographic systems, software supply chains, public data exchange, and standards-based infrastructure.
4. **Policy-to-technical translation.** Turning regulatory or procurement requirements into inspectable technical controls without claiming that a technical artefact alone establishes legal compliance.
5. **Open artefacts.** Versioned specifications, reference implementations, demonstrators, datasets, and reproducibility bundles suitable for research, standardisation, pilots, and dissemination.

Relevant track record

- Individual IETF Internet-Draft on an Action Evidence Package in the Remote ATtestation procedureS space; open technical contribution, not an IETF consensus statement.
- Accepted IEEE GAISS 2026 paper on an X-Road evidence carrier for AI-mediated actions, plus an open public-sector evidence lab.
- Published *Data in Brief* article and open dataset on AI-governance lifecycle records and computer-science retractions.
- Public research infrastructure for trustworthy-AI evidence, human oversight, cross-verifier testing, and accountable-agent demonstrations.
- Approximately twenty-five years of Anton Sokolov's IT experience, including secure systems engineering and operation of Estonian public digital systems.

Best-fit roles

- task or work-package contributor for evaluation, evidence, interoperability, standardisation, and open-science outputs;
- independent red-team/evaluation-method partner;
- owner of a small reproducible evidence lab or reference demonstrator;

- contributor to standards mappings, test methods, assurance cases, and adoption guidance;
- FSTP recipient or pilot partner where a full-beneficiary role is too heavy.

Tyche should **not coordinate** a large 2026 proposal. We are seeking an experienced coordinator and institutional partners with strong grant delivery, legal, financial, and project-management capacity.

Current calls

Topic	Tyche contribution	Deadline
DIGITAL-2026-AI-DATA-10-COMPLIANCE	interoperable compliance-evidence model, audit trail, pilot test harness, public-sector assurance use case	1 Oct 2026, 17:00 CEST
DIGITAL-2026-BESTUSE-RSF-10-AWARENESS	shared research protocol, provenance and dataset documentation, reproducibility/evidence infrastructure, small FSTP pilot	1 Oct 2026, 17:00 CEST
HORIZON-CL3-2026-02-CS-ECCC-01	software/hardware assurance evidence, cross-layer failure taxonomy, standardised assessment test vectors	15 Sep 2026, 17:00 CEST
HORIZON-CL3-2026-02-CS-ECCC-02 SecureAI	adversarial evaluation and evidence chain for robust/private AI deployments	15 Sep 2026, 17:00 CEST
HORIZON-CL3-2026-02-CS-ECCC-03	evidence-based evaluation for high-assurance cryptography and migration workflows	15 Sep 2026, 17:00 CEST

The ask

We are looking for:

- an experienced Horizon/Digital Europe coordinator;
- a public authority or regulator willing to define and validate a pilot;
- an AI-security laboratory or cyber range;
- a hardware/security-assessment or cryptographic-engineering partner;
- a standards/conformity-methodology partner;
- for information integrity, a DSA research-data, fact-checking, or civil-society partner with real platform-data research experience.

Tyche can supply a two-page technical module and provisional task/budget within 48 hours after a consortium fit call. Any commitment remains subject to a written role, resourcing, conflict, IP, publication, and financing check.