



TRAFICOM

Liikenne- ja viestintävirasto

**Generative AI and Language
Technologies in Finland: Vision,
Policies, Ecosystem and Actions**

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Finland

ALT-EDIC event June 17 2026 Cité
Internationale de la Langue
Francaise, Villers-Cotterêts

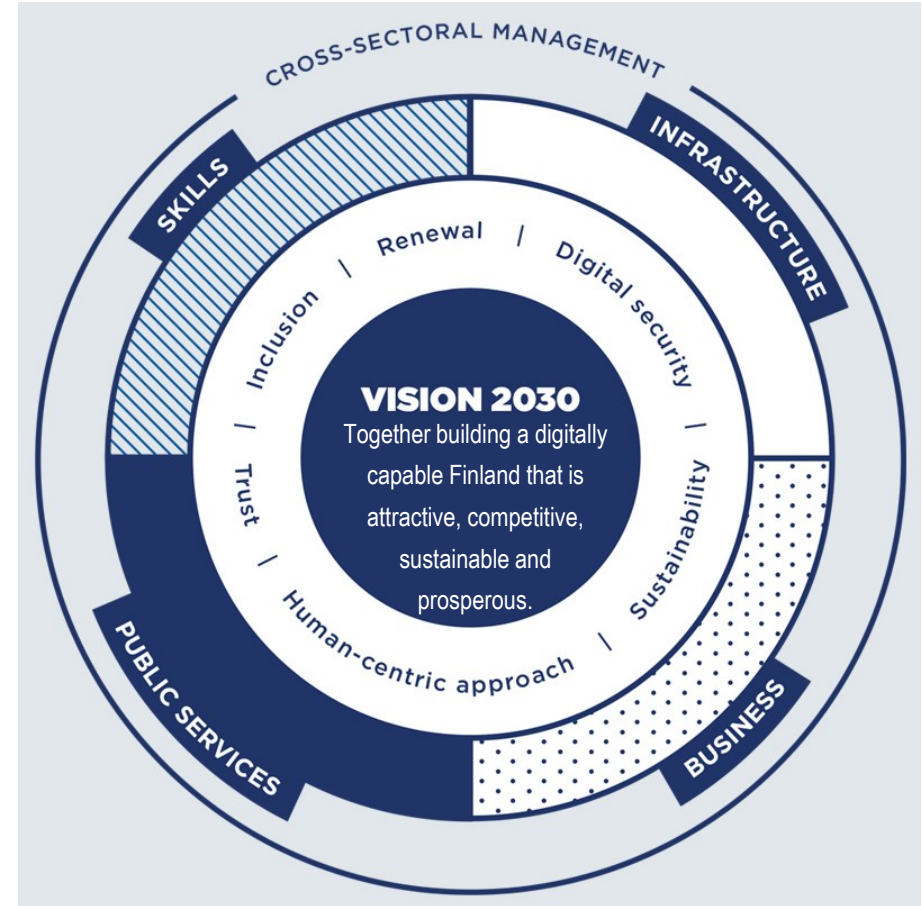


Finland is a member of ALT-EDIC since 2024

- ▶ **Strategy and governance, Assembly:**
Ministry of Transport and Communications Senior Adviser Maria Rautavirta maria.rautavirta@gov.fi
- ▶ **ALT EDIC National steering group**
Chief Specialist Anne Miettinen Transport and Communications Agency Traficom anne.miettinen@traficom.fi
- ▶ Actions and needs of Finnish data and AI ecosystem including public, private, research and third sector:
ALT EDIC services, tools and standardisation needed for ensuring quality data, tools for trustworthy data/chatbot/language models sharing and evaluation provided that they don't overlap with existing ones – Mapping needed in implementation strategy

AI Governance in Finland

- ▶ Finland's Digital Compass is a government's strategic development plan for 2030
 - ▶ Update of the Digital Compass in 2026
- ▶ Implementation of the Digital Compass is steered by the Ministerial Working group on Reforming Society
- ▶ Interministerial Digital Office
 - ▶ Supported by Interministerial Working Group on the Use of Generative AI
 - ▶ Interministerial AI Coordination project since Autumn 2024



Four main goals of the AI Transformation of Finnish public administration

Streamlining
services and
administration

Accelerating the
adoption of
artificial
intelligence

Data,
interoperability
and architecture

EU compatibility
and digital
sovereignty

Strategic measures to advance toward the goals

Agentic Finland

The broad, controlled deployment of AI agents and agent-based automation in public administration to significantly and sustainably boost productivity.

Digitally Sovereign Finland

Ensuring high-quality data, shared technical building blocks, and national digital sovereignty through strategic partnerships.

Regenerative Finland

Building skills and change leadership for efficient, human-centered, customer-centric public services.

Digitally Compliant Finland

Extensive use of AI responsibly, while safeguarding fundamental rights and taking into account EU regulations.

Digital Innovation Finland

Public investment to make data available and foster scalable, interoperable solutions that deliver lasting cost savings, support AI-driven automation, and promote exports.

Phased unlocking of productivity potential

Phase 1: Building the foundation (2026–2028)

Investments in AI-driven solutions targeting national needs.
First €100M in savings from routine processes.

Phase 2: Scaling and adoption (2028–2031)

- Scaling solutions across state government, wellbeing services counties, and municipalities, supported by AI-ready legislation.
- €500M in productivity gains, with national infrastructure in full production use.

Phase 3: Integrated AI society (2031–2036)

- Autonomous agents handling routine and decision-support tasks.
- Annual savings of more than €2B, significant export growth.

Efficient, secure AI adoption in Finnish public sector

- ▶ **Contact information:** Director Jarno Ilme, Development Manager Jaana Makiniemi, Chief Specialist Ville Raisanen @traficom.fi
- ▶ **Traficom coordinates public sector network** (over 100 organisations involved) for efficient adoption of AI
- ▶ **2026-2028 AI solutions that are adaptable and scalable for public administration:**
 - Customer service solution: RAG-based voice and text chatbot.
 - Adaptable and scalable AI agent layer: an agent-based solution for preparing administrative decisions in licensing and supervision services
 - **AI bots and agents require trustworthy multilingual (Finnish incl. dialects, Swedish, Same language models) language models (including general and sector-specific) - high-quality and accurate data crucial**
 - **Public sector gathers large amount of data which can facilitate language model development but a large amount of it is confidential**



Traficom - AI Regulatory Sandbox



PURPOSE

- Provides a controlled environment for companies to test AI systems before market entry
- Supports compliance assessment, risk classification, and requirement validation



KEY SERVICES

- ✓ **Guidance and advisory support**
- ✓ **RegTech tool** for risk classification and regulatory mapping
- ✓ **Testing services:** documentation review and optional technical testing

PROCESS (SIMPLIFIED)



1

Application and initial screening



2

Testing phase
(dialogue, analysis, evaluation)



3

Report, recommendations, and possible certification



BENEFITS

- Ensures compliance during development
- Reduces regulatory risk and speeds up market access
- Promotes innovation and competitiveness



IMPLEMENTATION (FINLAND)

- Coordinated by Traficom with multi-authority collaboration
- Connected to EU-level bodies (AI Office & AI Board)



TIMELINE

- Development: 2025–2026
→ Operational ~**2027**



The AI Regulatory Sandbox supports trustworthy AI and a competitive, innovative ecosystem in line with the EU AI Act.



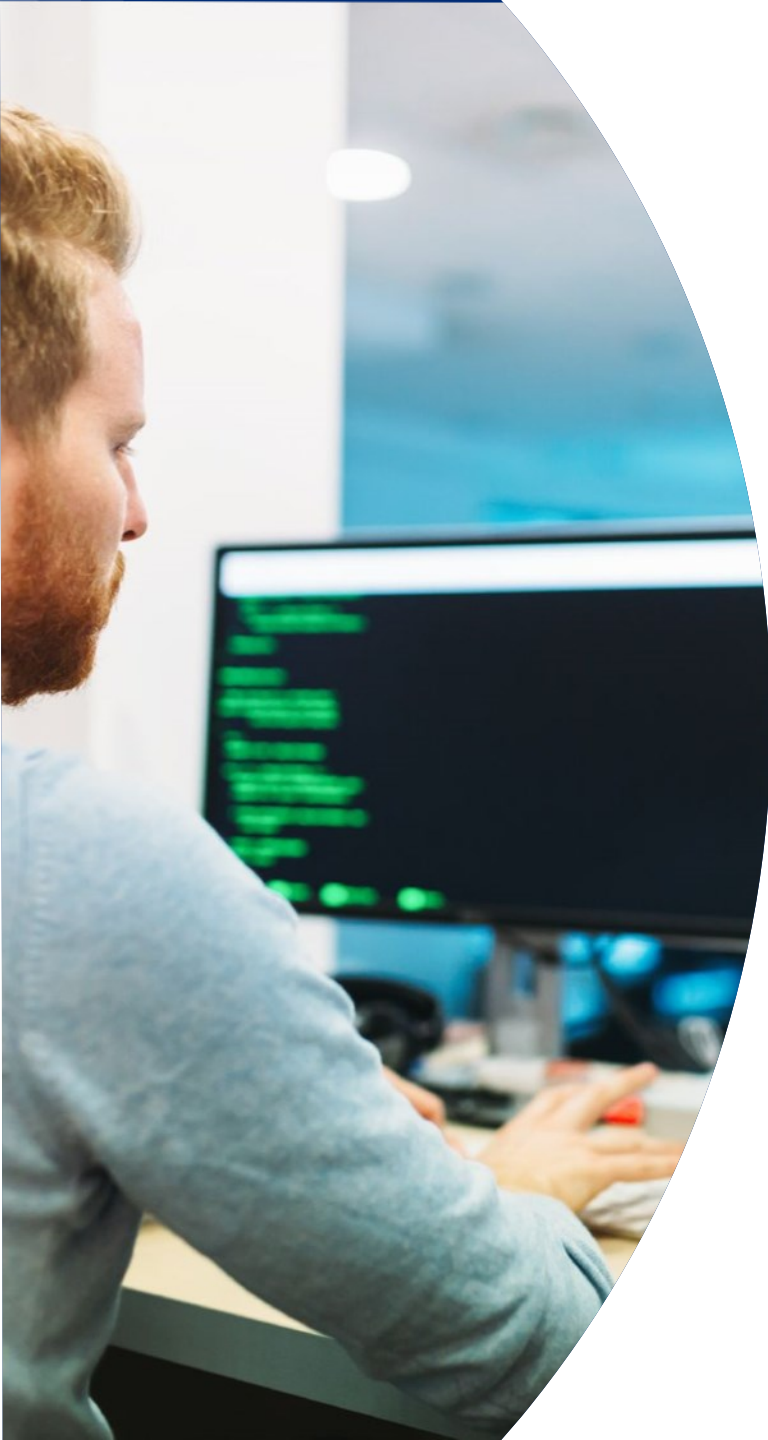
LUMI AI Factory quickly evolving towards very efficient, large and international HPC AI infrastructure (EuroHPC) Contact Heidi Laine CSC.fi

- ▶ An HPC upgrade AI optimisation is underway as a successor to LUMI, large Northern European consortia
- ▶ An experimental quantum computer (EuroHPC)
- ▶ Antennas to other AI factories/EuroHPC computers (CSC responsibility open science dataspace)
- ▶ LUMI AI Factory service centre provides:
 - ▶ Consultation for data, eg. identifying suitable data resources
 - ▶ Support for AI development methods, including LMs
 - ▶ Free HPC for startups, SMEs and the public sector
 - ▶ Support funding for applying EU funding (EuroHPC)
- ▶ New national Roihu supercomputer for sensitive data
- ▶ The DaaS service, that was newly selected as one of Finland's most interesting data economy services, enables companies to share data commercially close to HPC environment based on agreements, governance and a distributed architecture.

Examples of Finnish academia in language technologies and AI sector

- ▶ **Language Bank of Finland** is a research infrastructure coordinated by the Clarin Node of Finland (FIN-CLARIN) kristen.linden@helsinki.fi
Research Director of Language Technologies University of Helsinki
- ▶ **University of TurkuNLP** is the leading Finnish research group developing LLMs (Natural language processing research)
sampo.pyysalo@utu.fi
- ▶ **Aalto University speech technology group** mikko.kurimo@aalto.fi
- ▶ **VTT Technical Research Centre of Finland: applied research and use cases eg. Data spaces, LLMs and use cases/deployment**
Tuomo.tuikka@vtt.fi
- ▶ **Ellis Institute Finland established in 2025 in Finland** coordinated by Aalto University includes major Finnish universities and VTT Technical Research Centre. It serves as a unifying structure for Finland's entire AI ecosystem—connecting research, companies, startups, investors, and European collaboration within a single network
- ▶ Samuel.kaski@aalto.fi, petri.myllymaki@helsinki.fi





Finnish AI Business Ecosystem: examples

- ▶ **Finnish Language Cluster KITES** unites companies in multilingual communication, translation services and language technology while promoting the growth and internationalisation of the sector, Linda. Ahlblad@pauhu.ai
- ▶ **AI Finland:** Iida Lähteenmäki and Karoliina Partanen @aifinland.fi <https://aifinland.fi/en/front-page/>
- ▶ Startups <https://aifinland.fi/ai-startupit/>
- ▶ Service providers https://aifinland.fi/palveluntarjoajat/?is_provider=true
- ▶ AI Adoption use cases <https://aifinland.fi/national-ai-use-case-library/>
- ▶ "The use of GenAI and LLMs has become the norm for companies in Finland and is often the starting point for AI Development. LLMs and RAG search engines dominate the international projects for companies. In 2026, the adoption of agentic AI has also accelerated further. Alongside these, other forms of machine learning, computer vision, edge AI utilising sensor data, and production optimisation models are prominent." [AI in Finnish Business 2026](#)
- ▶ **Compute to impact -R&I AI ecosystem** incl. Next gen foundation models (5 years over 100 M€). AMD Silo AI as a lead company in Business Finland programme

Pauhu · Contact: Linda@pauhu.ai Startup

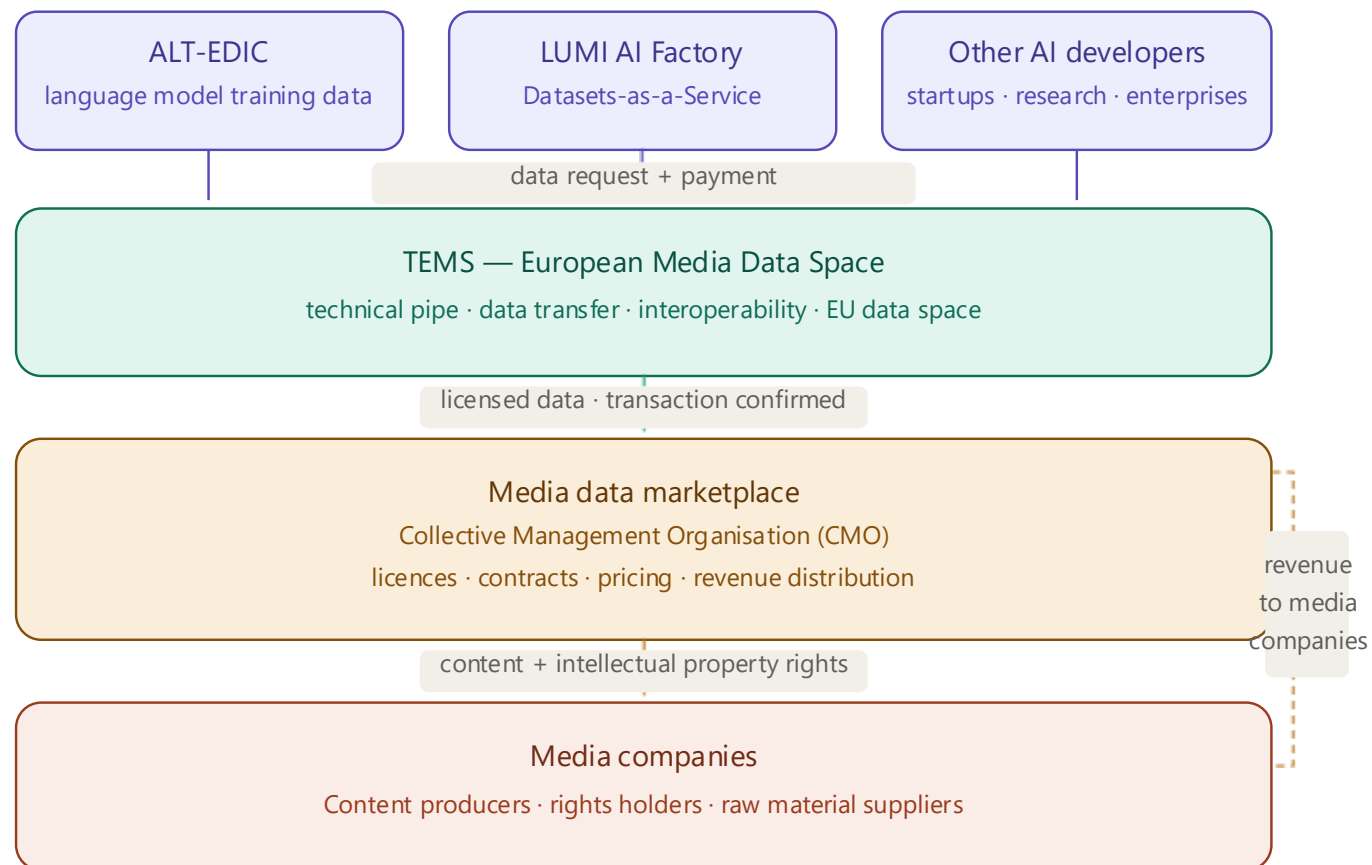
- ▶ Europe's sourced data foundation.
 - ▶ Traceable, annotated and cross-referenced data, over the Model Context Protocol (MCP) for AI workflows or a Computer-Assisted Translation (CAT) connector.
 - ▶ Provider to the European Language Data Space (LDS) Central Catalogue.
 - ▶ [LDS Central Catalogue](#)

Pauhu AI · pauhu.ai ALT-EDIC consortium member

- ▶ Auditable AI for regulated industries.
 - ▶ Open-source Progressive Web App (PWA) for any device, to brand as your own.
 - ▶ ALT-EDIC Industrial Consortium member.

Trusted Media Data Marketplace

The Finnish news publishers together with the Copyright Society Kopiosto and the Finnish Innovation Fund Sitra are building the copyright infrastructure the AI economy currently lacks. We aim to create a rights and licensing layer that enables sustainable AI innovation while preserving the value of original content. Contact information: anssi.komulainen@sitra.fi, Kirsi.Salmela@kopiosto.fi



New Nordics AI Network and Nordic Language Model initiatives for Nordic Languages project

- **New Nordics AI Network is the Nordic-Baltic center for applied AI** connecting organisations, companies, governments, decision-makers and people across the region to accelerate AI Adoption and development
- AI Finland Iida.lahteenmaki@AIFinland.fi, AI Sweden, Digital Dogme, TEK Norge, Almannarómur
- **Nordic Language Model initiatives for Nordic languages:** A project funded by the Nordic Council of Ministers
 - Hosted by: the Nordic Council of Ministers
 - Contact person: Jussi.Karlgren@amd.com
 - Stakeholders and contributors: New Nordics AI nodes, language technology and AI developers, language care institutions and researchers, memory institutions and media houses



**Thankyou!
Comments and
questions?**

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