LUMI AI Factory

Service Portfolio

LAUNCH EVENT 2 APRIL 2025

Services: **TALENT**

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Training the latest skills & technology

- **Co-create with AI centers**
- Provide **structured training paths** for AI and HPC
- **Tailor training** for different domains

Consultation with company focus

- Remove friction with **starter pack & feasibility analysis**
- Weave AI Factory into **existing networks and ecosystems**

Focus on AI adoption

- Offer **time-limited interventions** to step up AI adoption in companies' RDI
- **Long-term access** to the platform, support and training
- Support in applying for **large resources** & providing **fast lanes**

AI Factory Hub: engage the next-generation talent

- **Co-working hub** on grounds of Aalto University & ELLIS Institute
- Network of satellite hubs & virtual co-working space
- Running & supporting **hackathons, challenges and accelerators**

AI adoption showcases on LUMI

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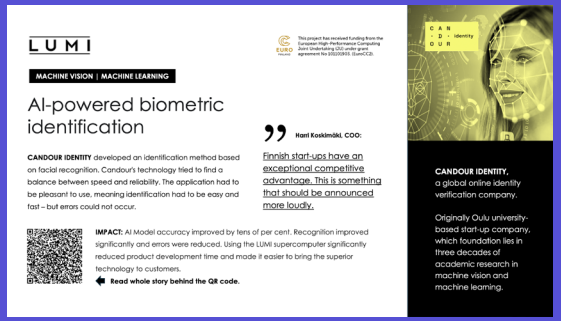

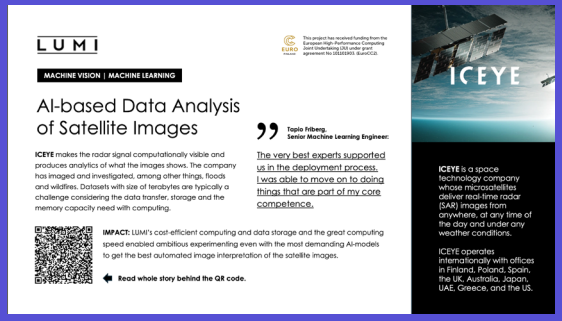

Services: COMPUTE

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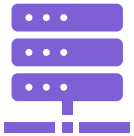

Computing capacity never seen before

- Globally **leading AI training with massive GPU capacity and fast & large data storage (shared & dedicated)**
- **AI model serving at scale for "every open model out there"**
- **Customisable environments** with virtual clusters to match every need
- API-based access and recipes for **automation and public cloud integration**
- **Quantum capacity** for next-level QC-AI

Expert support all the way

- **Friendly human support** for getting started and all the way to deep AI methods and scalability
- Accelerated adoption with **self-service environment, thorough documentation and AI assistants**
- Supported **MLOps environment** and recipes

Showcasing the AI environment

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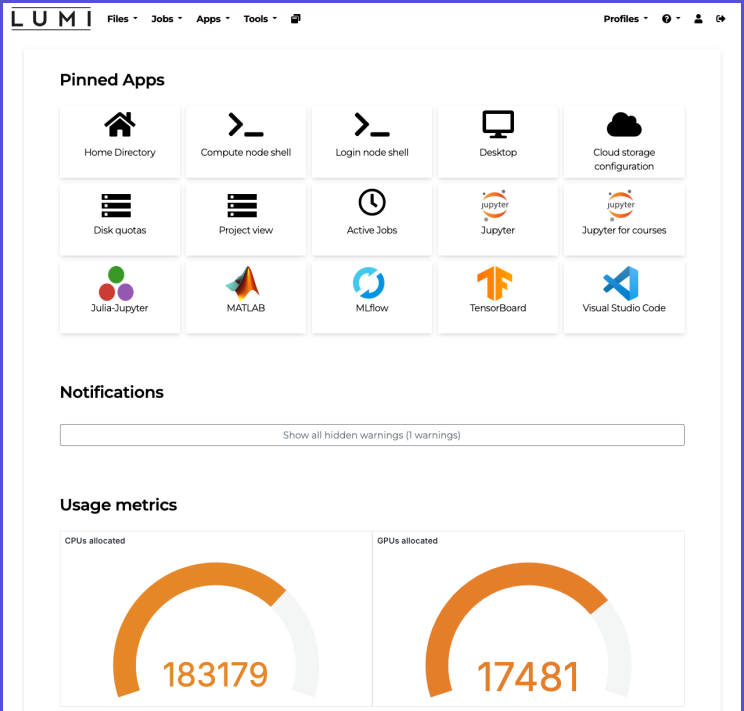

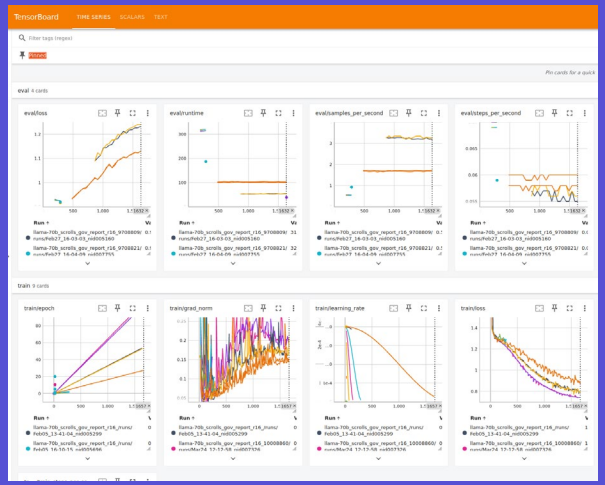

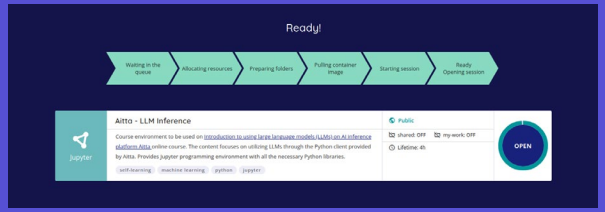

Services: **DATA**

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Data access is the priority

- Make data manageable with **cloud-like data environment**
- **Datasets-as-a-Service:** previously unaccessible datasets made available
- Remove data access barries with **sensitive data services and access authorisation mechanisms**
- Direct connections to **data spaces and data repositories**

Data support that goes the extra mile

- **Data team for sourcing, negotiating and curating high-value datasets**
- Help with the necessities: data wrangling & data engineering
- Support **streaming data** into the supercomputer

Showcases of unique datasets

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Open WebSearch .eu

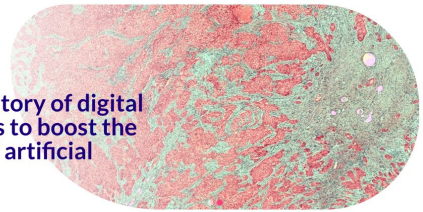
OWI Stats

4.02 Billion URLs crawled	**185** different languages	**28** Million Hosts	**755.00** Total TiB crawled	
1 TiB crawled per day	**147** WARC Datasets	**17.48** TiB Size of Open Web Index	**28.83** TiB Size of WARC Datasets	**346** Public Datasets

Destination Earth

bigpicture

A central repository of digital pathology slides to boost the development of artificial intelligence



Sources: OpenWebSearch.eu & Destination-Earth.eu & BigPicture.eu, Mar 31, 2025