

Who we are

Europe's largest private AI lab

What we do

Trusted AI partner. We build AI-driven solutions and products by providing world-class services and tooling.

Our vision

Al for people. A world with safe human-centric Al that frees the human mind for meaningful work.

300+ experts

150+ PhDs

200+ production-grade AI

CV | NLP | LLM

Cloud | IoT | Embedded

Nordics

Finland, Sweden, Denmark, Norway

North America

United States Canada

Switzerland





SiloGen for trustworthy generative AI & LLMs

SiloGen is a platform for trustworthy generative AI, covering data-centric development tooling, base models and vertical assets.

With SiloGen, Silo Al's large, experienced Al team helps companies build custom LLMs, covering many tasks:

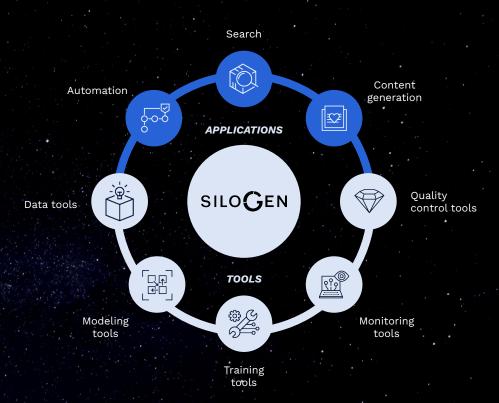
- Training massive LLMs
- Fine-tuning LLMs for use cases
- Developing LLM based applications

Applications

Common use cases and applications of LLMs and generative AI.

Models & Tools

Models and platform for robust and scalable LLM development.



SiloGen base models being trained now

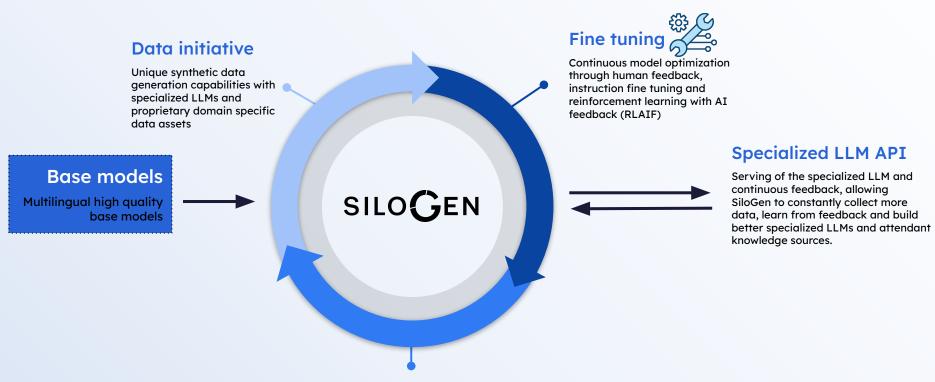
- Being developed in collaboration with research partner TurkuNLP
- Trained on LUMI supercomputer
- Will support all official European languages
- Data collected in the EU funded HPLT project
- Models will be released

Model size (parameters)	Tokens	Comparison
7B	2.4T	2T tokens (7B LLaMa 2)
15B	2.4T	2T tokens (13B LLaMa 2)
30B	2.4T	2T tokens (34B LLaMa 2)
60B	2.4T	2T tokens (70B LLaMa 2)
120B	4.8T	366B tokens (174B BLOOM)

- focus currently on Finnish, English, program code
- data mostly monolingual (not translated pairs)
- cross-lingual benefits already apparent
- lack of locally relevant quality tests is a bottleneck!



Turning base models into vertical models for inclusion in products



Quality evaluation

Unique domain specific evaluation benchmarks and data with human and AI feedback



Example use cases for specialized models



BUSINESS CRITICAL B2B CO-PILOT

Technical sales and customer operations in high-risk and high reward B2B environments



HIGH-SENSITIVITY B2C CO-PILOT

Virtual sales agents co-pilots for high sensitivity and high regulation environments (e.g. retail banking)



HEALTHCARE CO-PILOT

Healthcare-specialized model tailored for healthcare data structures and terminology



some more general challenges for us to think about

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- The best and most valuable knowledge we have has been put into textual form for the past five hundred years
- Nordic libraries and archives are trustworthy repositories of such data
- A path for guaranteeing quality of shared open language models
- Getting access to this treasure of shared knowledge is cumbersome



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needs political guidance to memory institutions!



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needs more research!
and more data initiatives!



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- What cultural aspects are tests we use built for?
 - "Two people are seen sitting before a wave pool and one leads another out onto the water on a board. The person ..."
 - "A cowboy rides a horse out of a corral and enters into a fenced off area. The man rides his horse out of the fenced are and throws a rope ..."
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needs more attention both from industry and from academia! together! And do not forget how much fun this is!!



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pay attention to fun side effects!

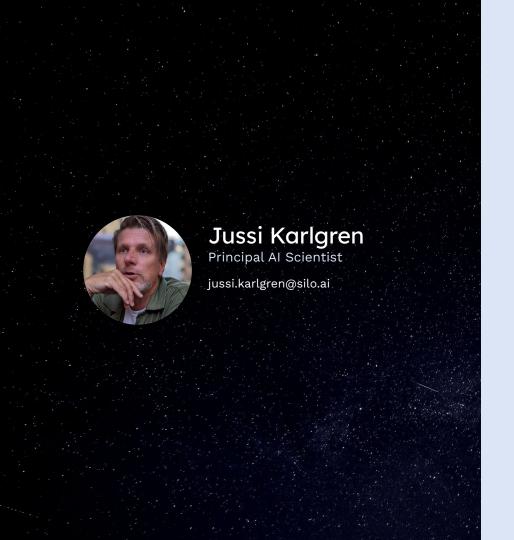
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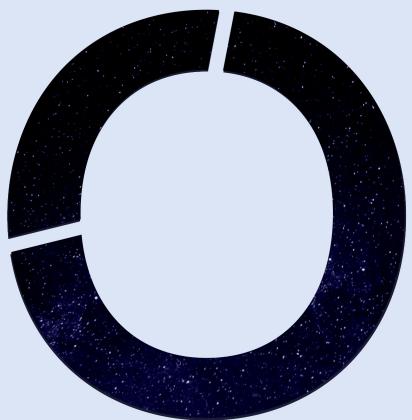
3d edition of the Nordic State of AI report is under production

Input is welcome!

learnings, experiences, insights from industrial practice and use







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SILO