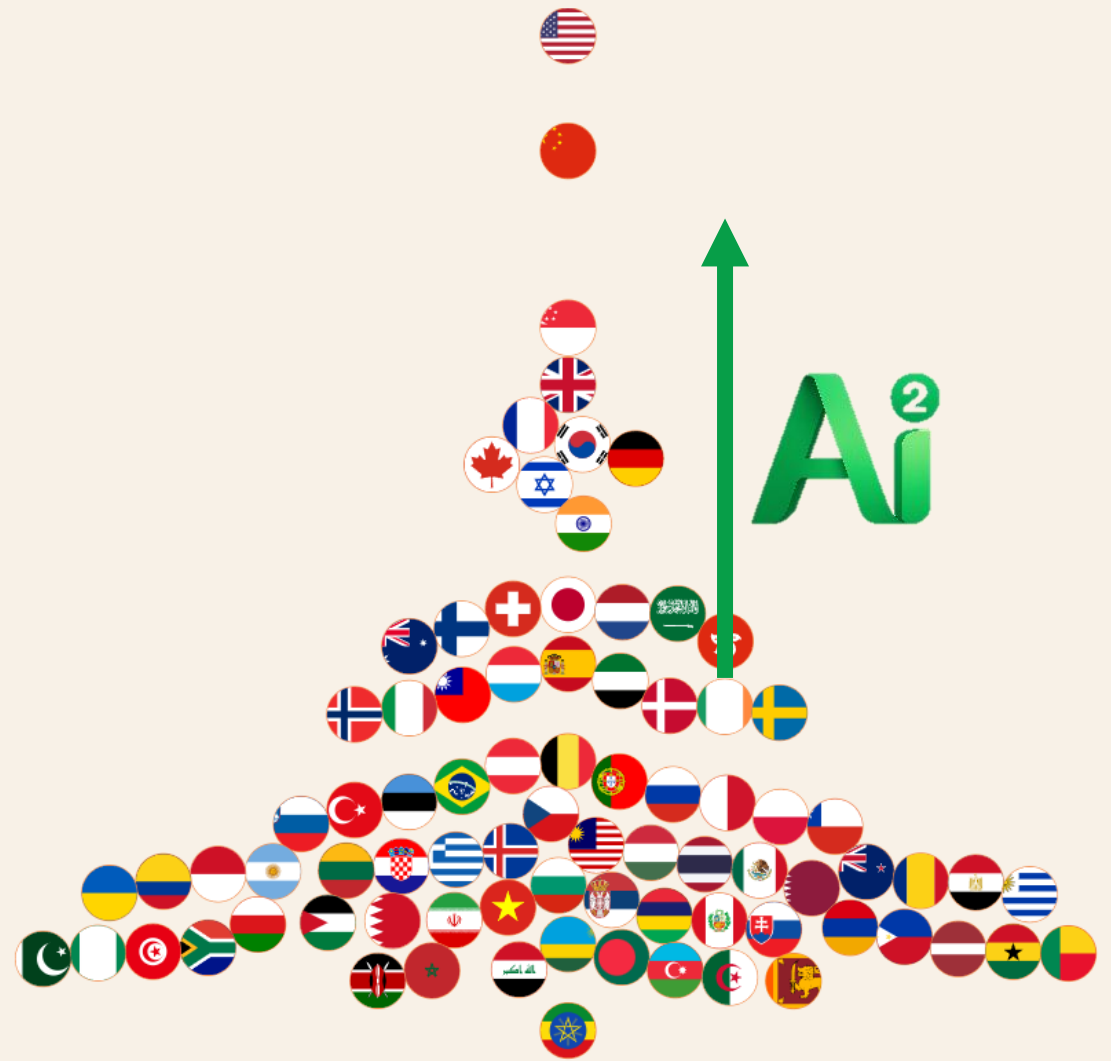


**AI is not the
future – it's here
and now.**



A portrait of a man with a red beard and glasses, wearing a grey button-down shirt. He is looking slightly to the right. In the background, there is a blurred screen with some text and a sign that says "Connect your Ed".

Kim Henriksson
kim@ai.se

Accelerating the use of AI in Sweden



ai.se



my.ai.se



ai.se/newsletter



youtube.com/c/aisweden

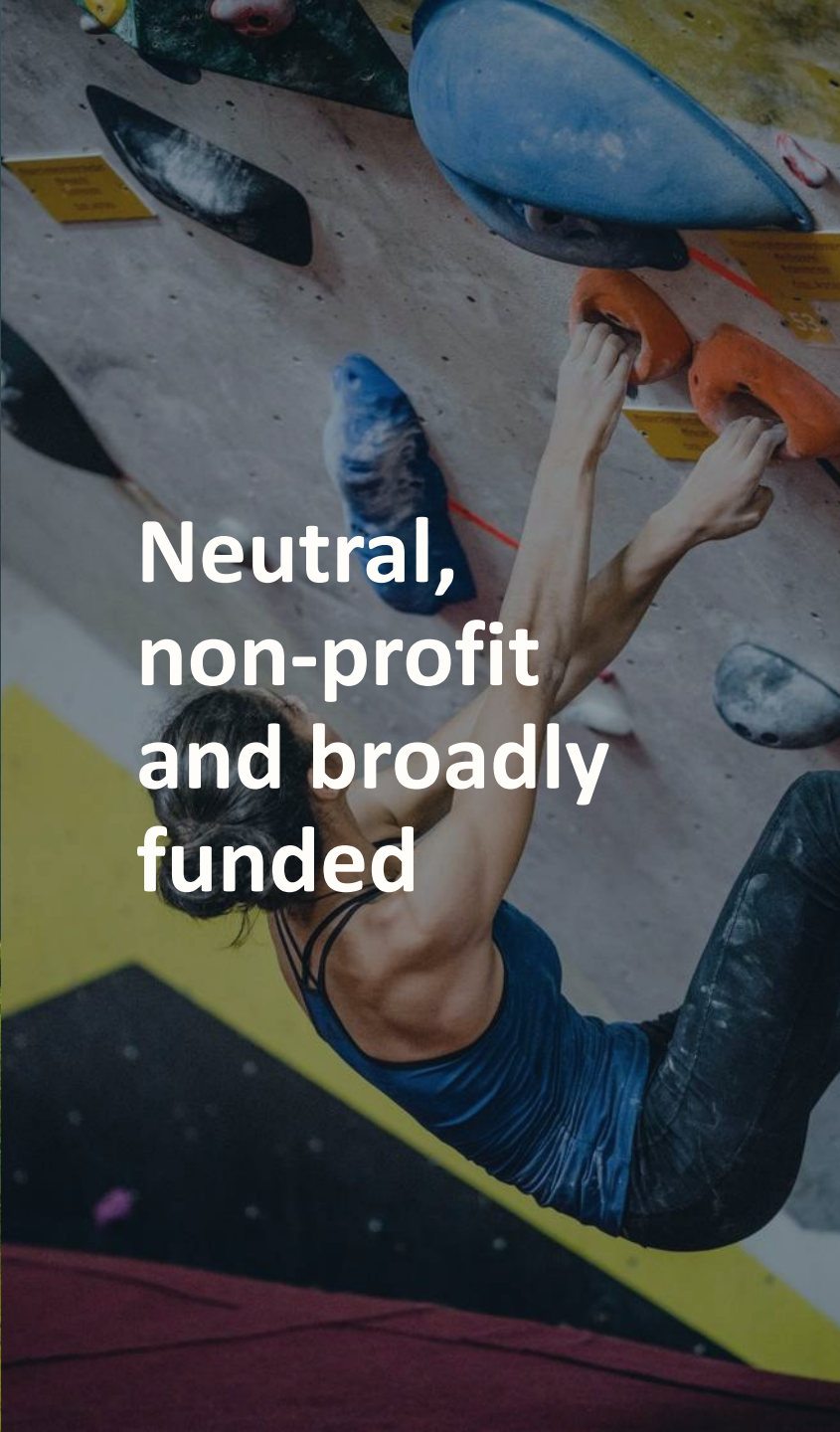


linkedin.com/company/aisweden

Accelerating the use of AI for the benefit of our society, our competitiveness, and for everyone living in Sweden.

An aerial photograph showing a dense green forest on the left and a yellow field with dark, winding lines on the right.

**National
center for
applied AI**

A photograph of a person in a blue tank top and black pants climbing a rock face with various colored holds.

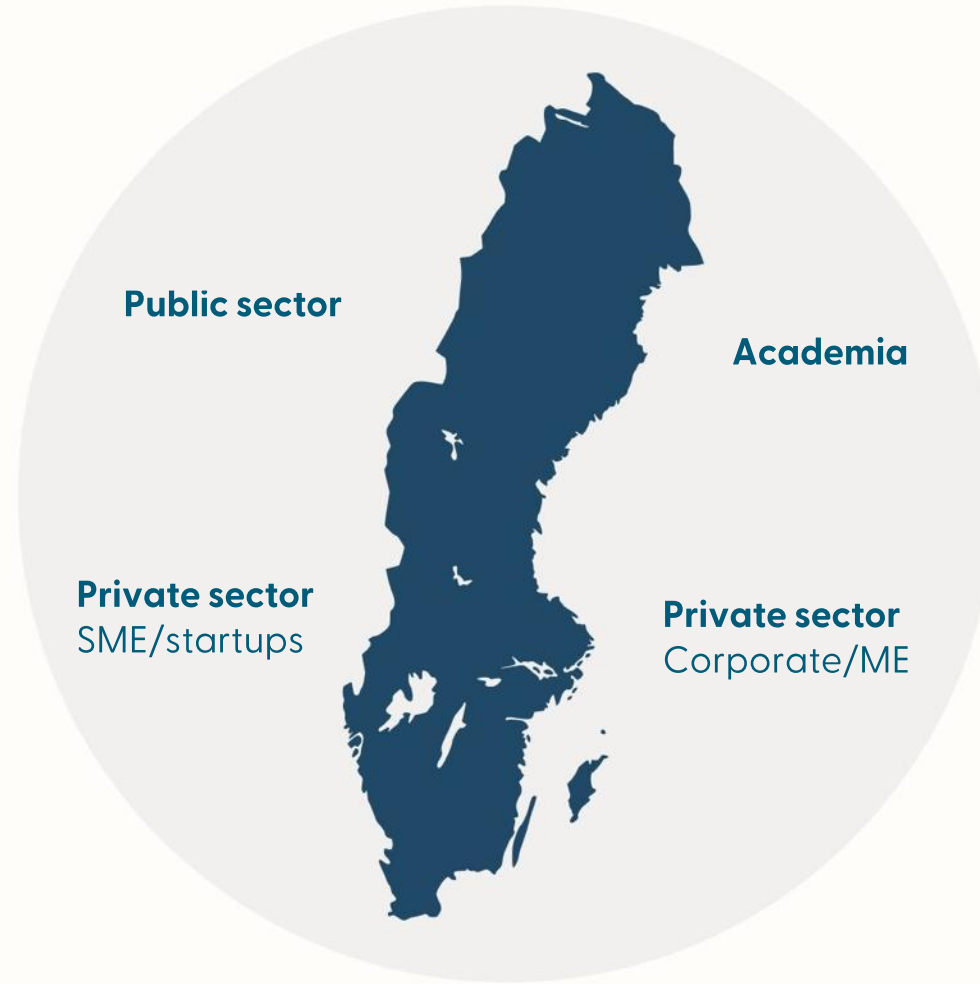
**Neutral,
non-profit
and broadly
funded**

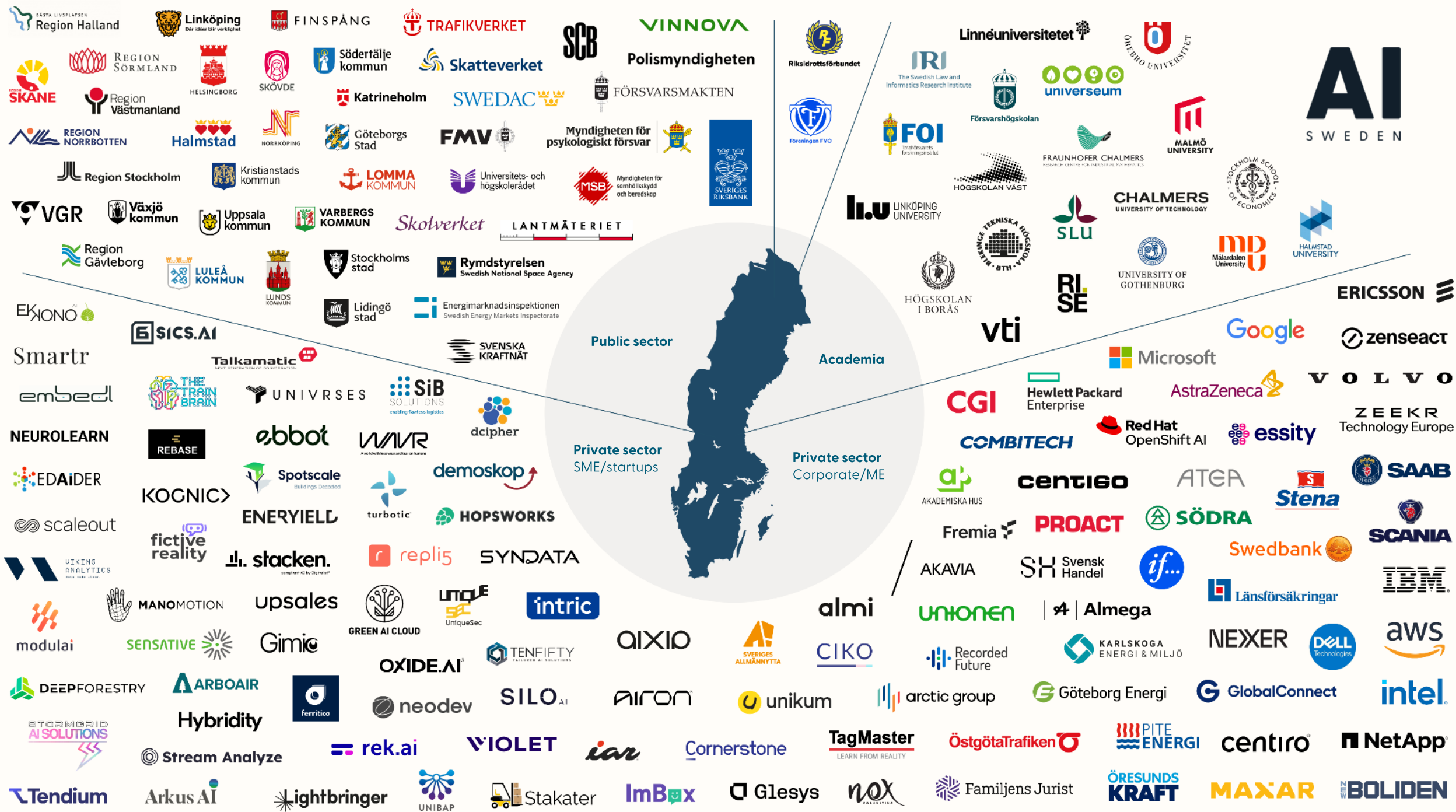
A photograph of several people walking on a high wire or tightrope, with a dark background.

**Private sector,
public sector,
academia**

The logo for AI SWEDEN, featuring the letters 'AI' in a large, bold, yellow font, with the word 'SWEDEN' in a smaller, yellow, sans-serif font below it.

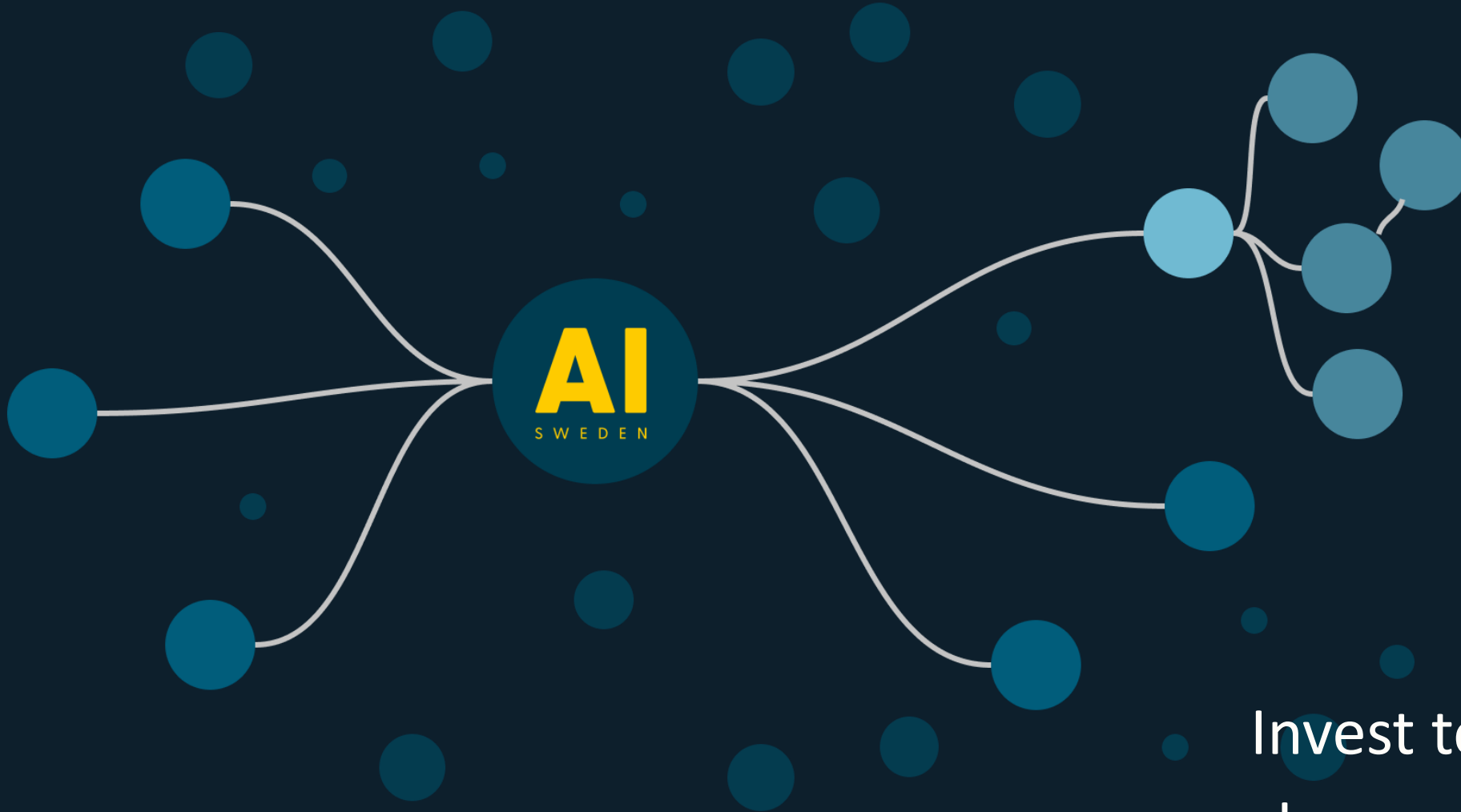
AI
SWEDEN





“ It is all about speed – AI Sweden has established projects and world-class labs in almost no time, enabling us to participate in the development at the very forefront of AI technology”

Partner testimonial



Invest together,
share with many



AI Labs



WELFARE



ENERGY



HEALTHCARE



MUNICIPALITIES
& CIVIL SOCIETY

Adoption



Networks



International



Startup program



Co-working



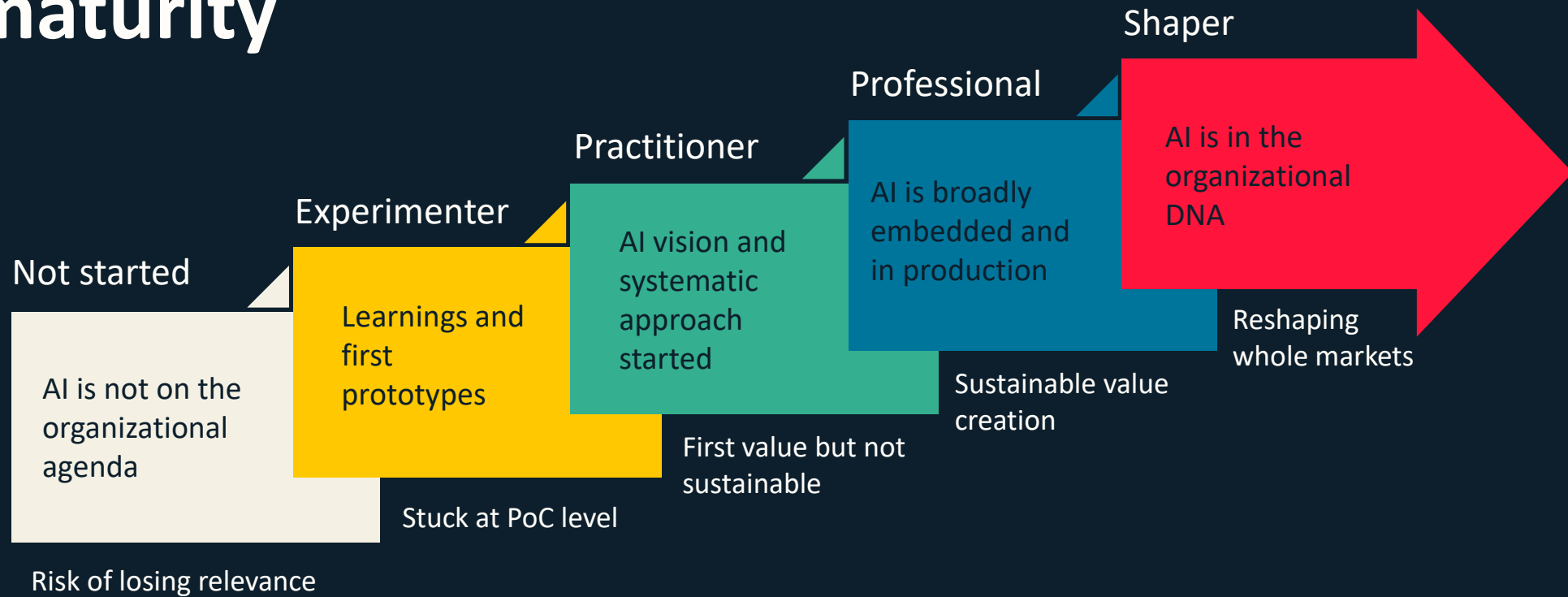
Events

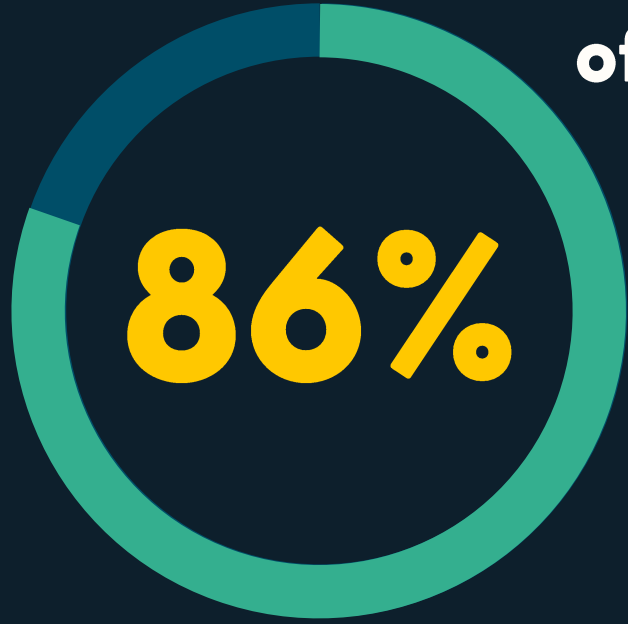


My AI

Ecosystem

Leveling up AI maturity





of AI Sweden partners

Source: AI Sweden's annual partner survey, 2024



AI
SWEDEN
2024

Report an increase in AI readiness last year

Collaborates with another partner

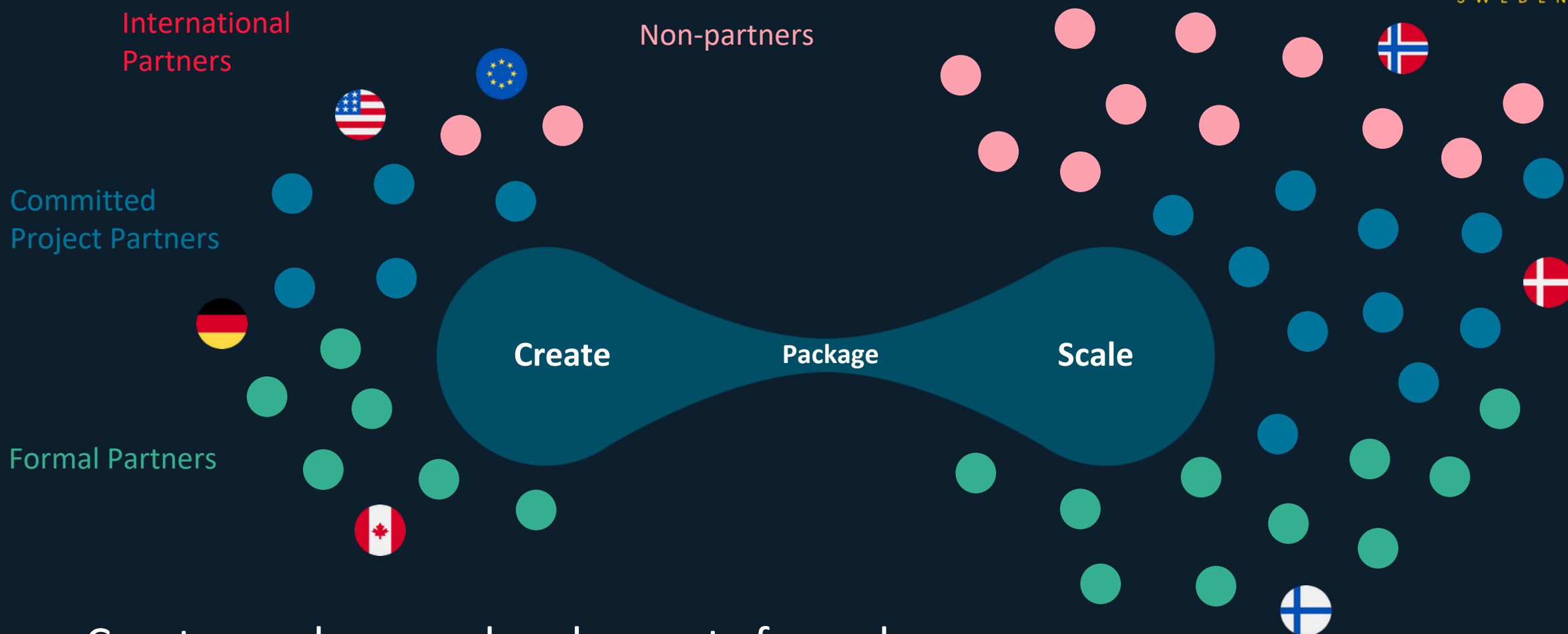
160+

partners

30+

MEUR total investment in 2024 alone

Including non-cash contributions by partners



Create, package and scale assets from deep expertise and knowledge

What's top of or mind?



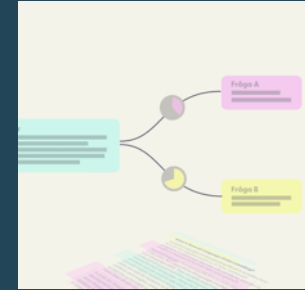
Strategy alignment



Leadership



Change Agents



Digital assistants



Competence strategy



Emerging initiatives



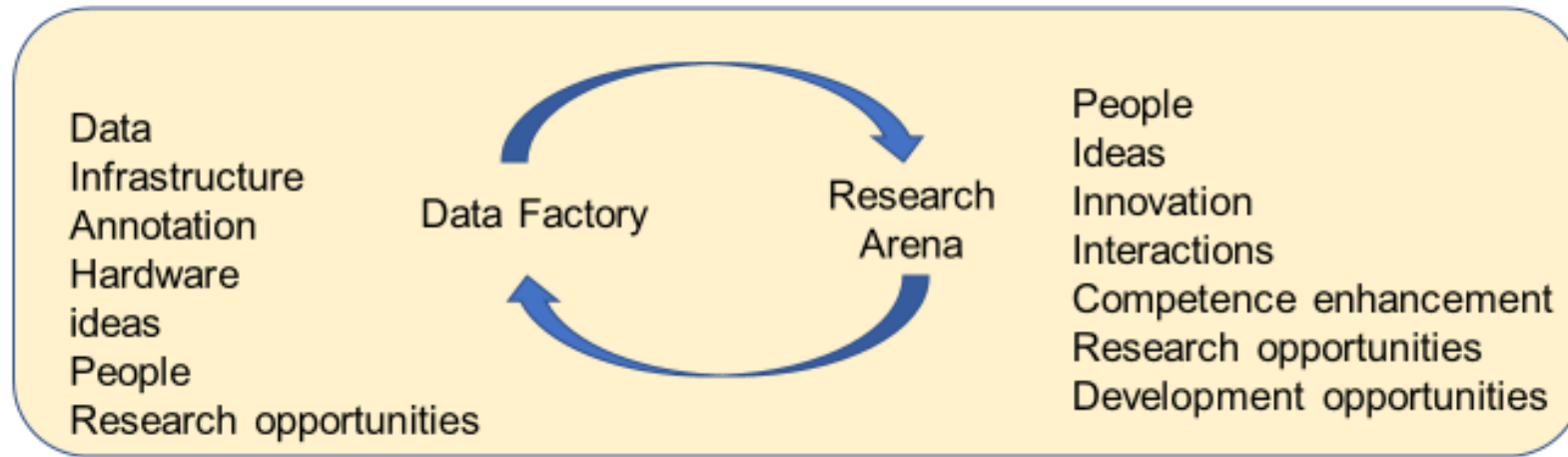
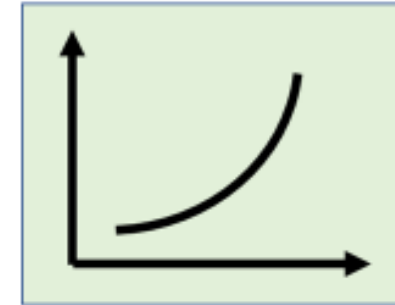
Large scale AI infrastructures



AI-first

Original Idea

2017

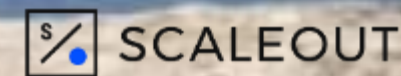


Data Factory and Arena – Key to "Running Faster"

AI INNOVATION of Sweden

6 years ago

Inaugurated February 6, 2019



FedBird Project

Getting Started with Edge Lab and FL

Data-driven organizations - Best practices for operationalization of AI in Sweden



AI Sweden

“Our Secret Sauce”

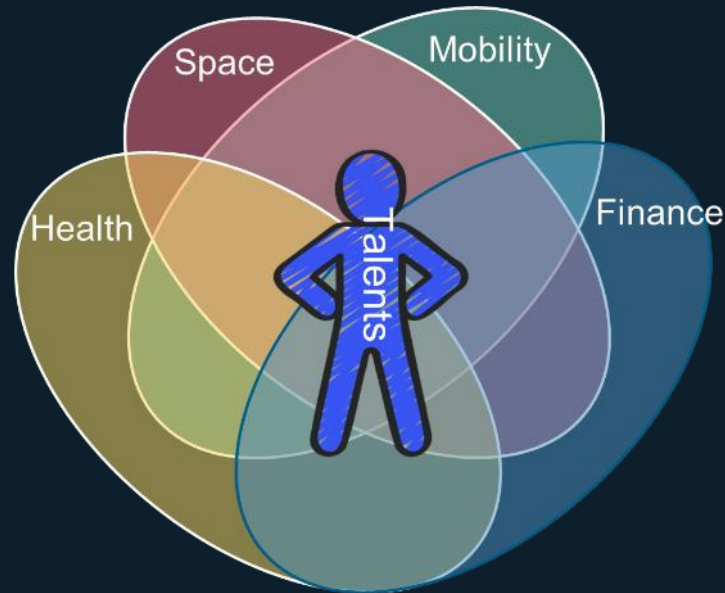


Our Recipe for Capacity-Building

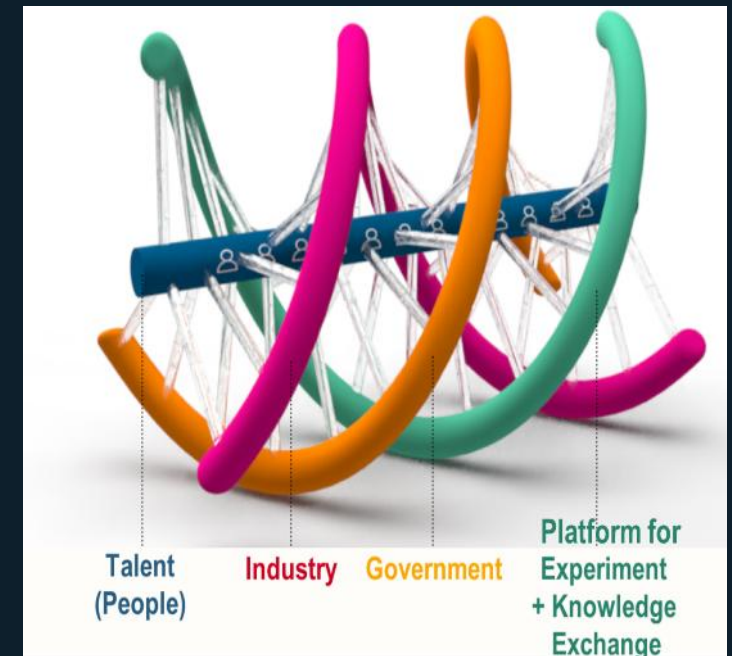
**Speed & Boldness,
Talent & Timing**



**Co-Location &
Sector Synergies**



Dynamic Environment



No “sales”



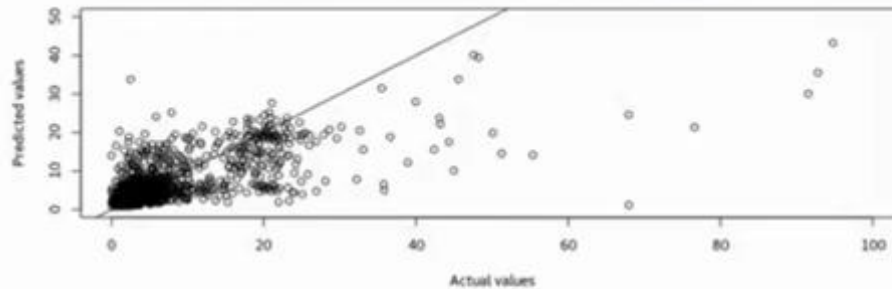
Our Recipe for Capacity-Building





Results from a healthcare client in Sweden... Predict length of stay after a medical surgery

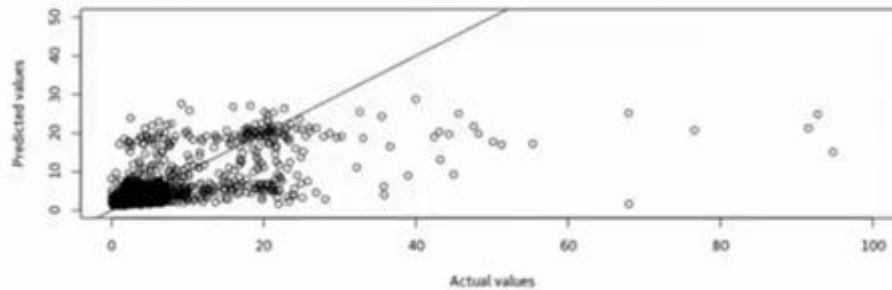
R-modell • RMSE: 4.848 MAE: 2.296 R2: 0.523



Manually developed machine learning model

6 man months

Auto-AI • RMSE: 5.28 MAE: 2.306 R2: 0.435



AutoAI generated machine learning model

14 minutes

Henrik Sjostrand

waionX



AI Sweden Foundation *for reference



VISION: What is the desired future state?

Sweden is a worldwide role model for how AI is embedded nationally to solve key societal and business challenges for the benefit of a prosperous society characterized by democratic values and a high quality of life

MINDSET: What is our mindset?

We collaborate in everything we do and lead the way with speed and boldness

MISSION: What is our mission?

Accelerate the use of AI for the benefit of our society, our competitiveness, and for everyone living in Sweden

PRINCIPLES: How do we do it?

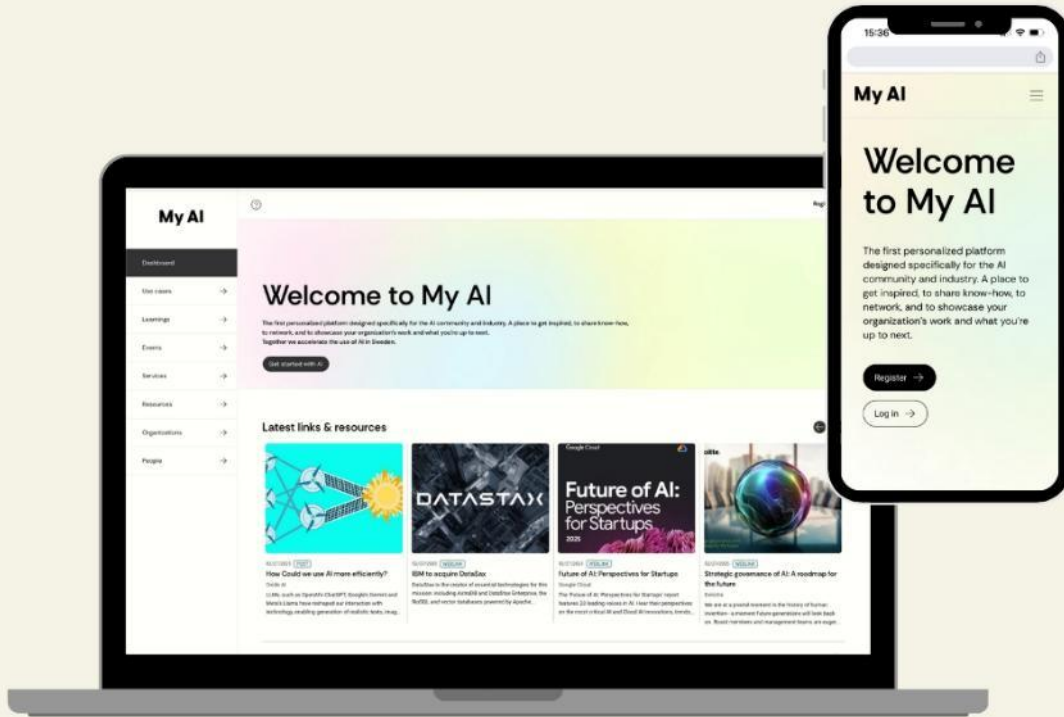
- Engage with partners first
- Invest together to benefit many for maximum impact
- Create, package and scale assets from deep expertise and knowledge
- Connect nationally and across sectors
- Learn from and engage with the best and evolve beyond
- Boost bold leaders to drive change

POSITION: What is our desired position?

The go-to catalyst for organizations that have the ambition to generate sustainable value using AI and a recognized thought leader for leaders shaping our future society

TARGET GROUPS: Our primary target groups?

1. Relevant decision makers within partners and throughout society
2. Changemakers within partners and potential key partners
3. Practitioners within partners
4. Talent, international and national



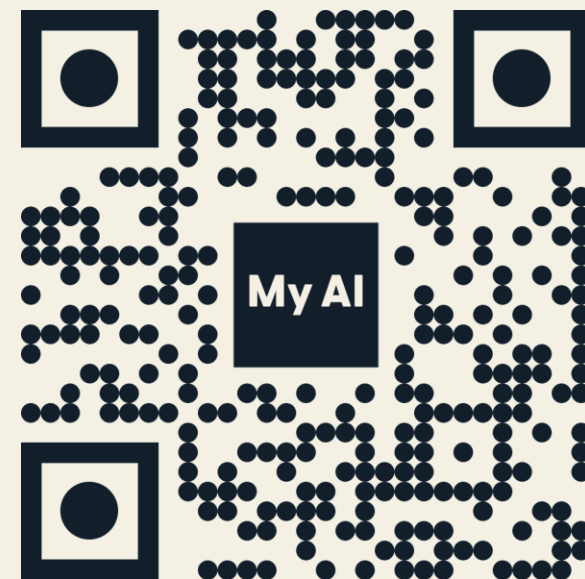
My AI

- + Free & open to all
- + Network
- + Share & get know-how
- + Get inspired from over 480+ use cases
- + Showcase your organizations work

My AI

Your personal gateway to the
world of AI

Sign up today



my.ai.se

Or make it my.aiai.ie?

Thank you!

And don't forget: my.ai.se and ai.se/newsletter.



ai.se



my.ai.se



ai.se/newsletter

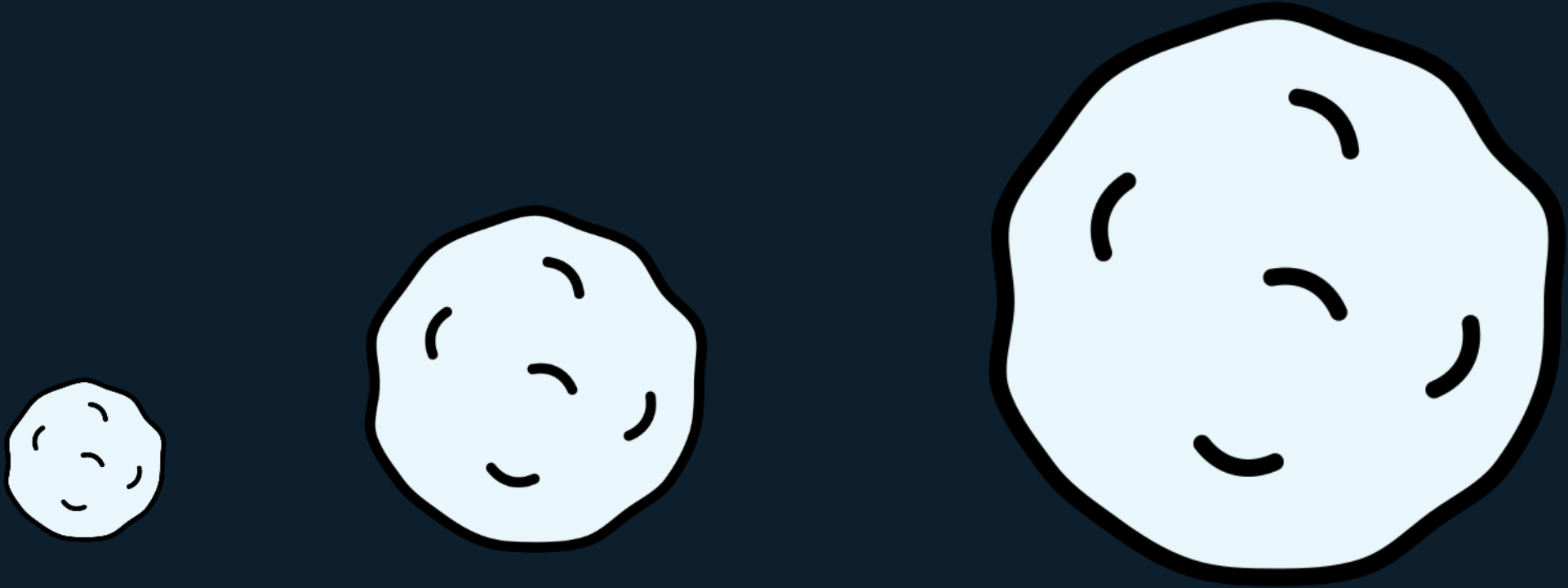


youtube.com/c/aisweden



linkedin.com/company/aisweden

Snowballing Innovation: How our Projects Scale and Evolve



Government invests 500 million in AI and is backed by large Swedish businesses

Digitisation Minister Peter Eriksson (MP) opens up about the new tech investment. The government is investing half a billion to develop Swedish AI, and the initiative is supported by a number of heavyweights in Swedish business.

Published: 16 May 2018, 16:25





The purpose of AI Sweden is to accelerate the use of AI for the benefit of our society, our competitiveness, and for everyone living in Sweden.

How to climb the mountain?



How to start?



How to start?

GPU Sandbox

Decentralized Learning

GPT SWE + Nordic Pile

Information-Driven Healthcare

Talent Programs

AiQu - AI workload scheduler

Reference number	2018-04-26-01
Coordinator	AIQ-01
Funding from Vinnova	SEK 2 000 000
Project duration	March 2020 - December 2022
Scope	Cloud-based
Venue	https://aiqu.se/
Del	https://aiqu.se/

What do breeding seabirds have in common with autonomous driving?

AI Weekly November 2022

More than you think! In this AI Weekly's Data Factory, Zeynep has used a dataset from the Norwegian University of Agriculture Sciences to develop a model to predict the probability of a bird being a breeder.



THE NORDIC PILE

The Nordic Pile

November 2022

How we work with training data for GPT-SWE



A handbook for information-driven healthcare

Are you working with health care and wondering how you can best use AI, or how you can use AI to improve your work? This handbook is for you.



The cohort at UCL





How to start?



GPU Sandbox



Decentralized Learning



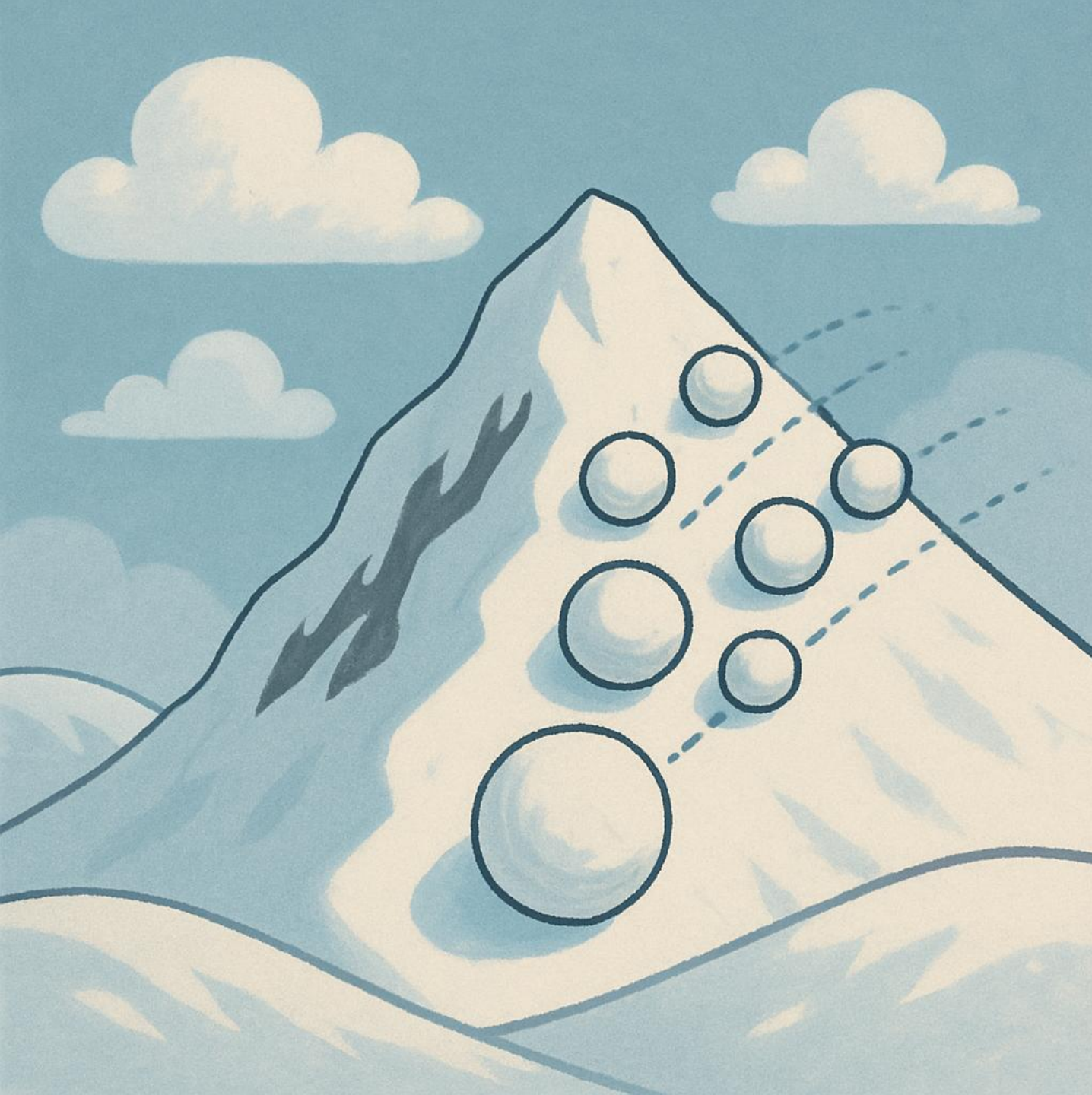
GPT SWE + Nordic Pile



Information-Driven Healthcare



Talent Programs



Snowballing Effect



A handbook for information-d
healthcare

an on-line handbook with online version
an on-line handbook with online version
an on-line handbook with online version



Federated learning between Hospitals



Snowballing Example

AI
SWEDEN



Snowballing Example



Federated learning between Hospitals

Eye4AI

IMY sandbox



ESA

NextGen



Snowballing Example



Federated learning between Hospitals

Eye4AI

IMY sandbox

FL for AML

Fleet learning

ESA

NextGen





Snowballing Example



Federated learning between Hospitals

Eye4AI



IMY sandbox



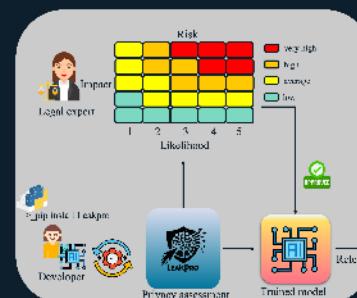
ESA

NextGen

FL for AML

Fleet learning

LeakPro



Energy

Trusted Research Environment

Health Data Innovation



Snowballing Example

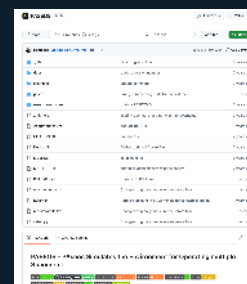
AI
SWEDEN

Federated learning between Hospitals

Eye4AI



IMY sandbox



ESA

NextGen

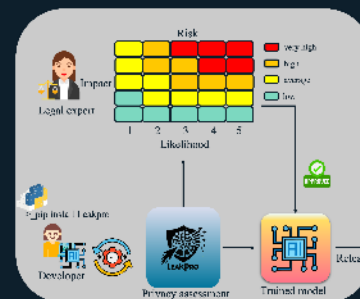


Research

FL for AML

Fleet learning

LeakPro



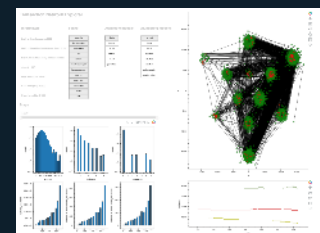
Research

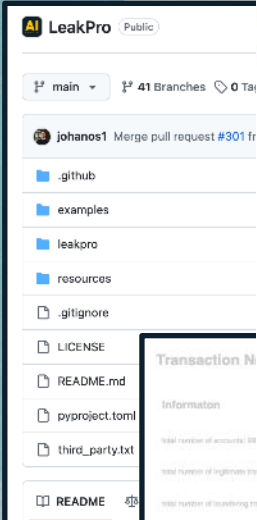
Energy

Research

Trusted Research Environment

Health Data Innovation

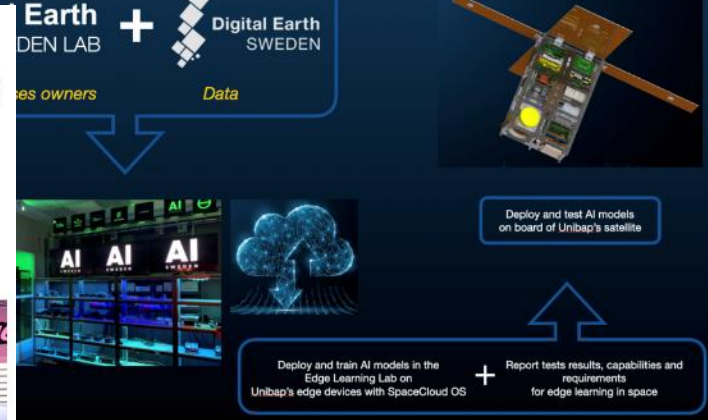




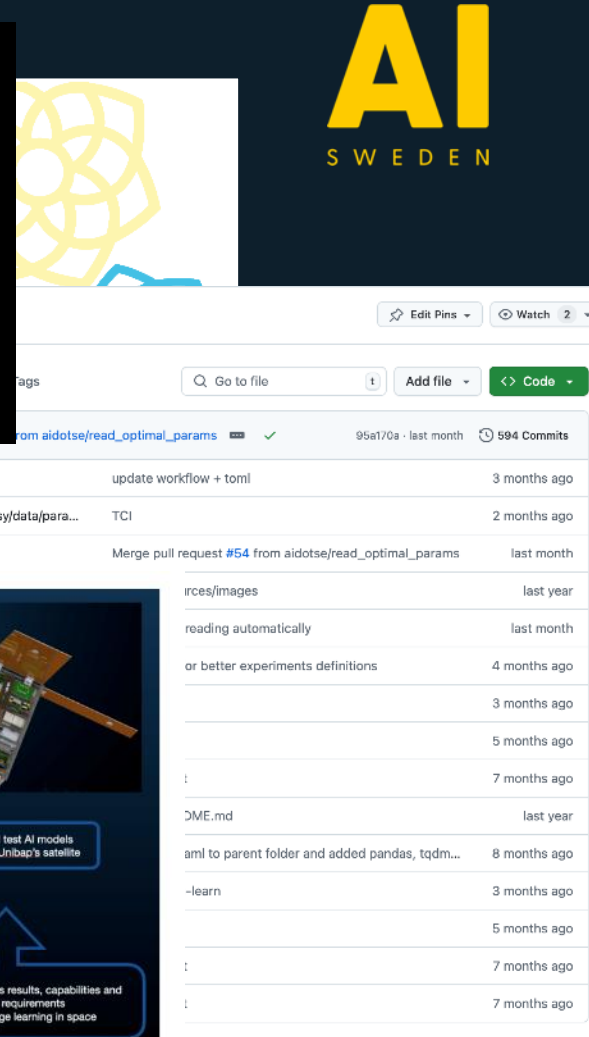
Som ett resultat av att regler och lagar kring datadelning, säkerhet förändras, förväntas nuvarande metoder för modellträning att stå inför utmaningar. Målet med detta projekt är att lösa dessa genom att vidareutveckla metoden kring decentraliserad träning av modeller för autonoma fordonsflottor.

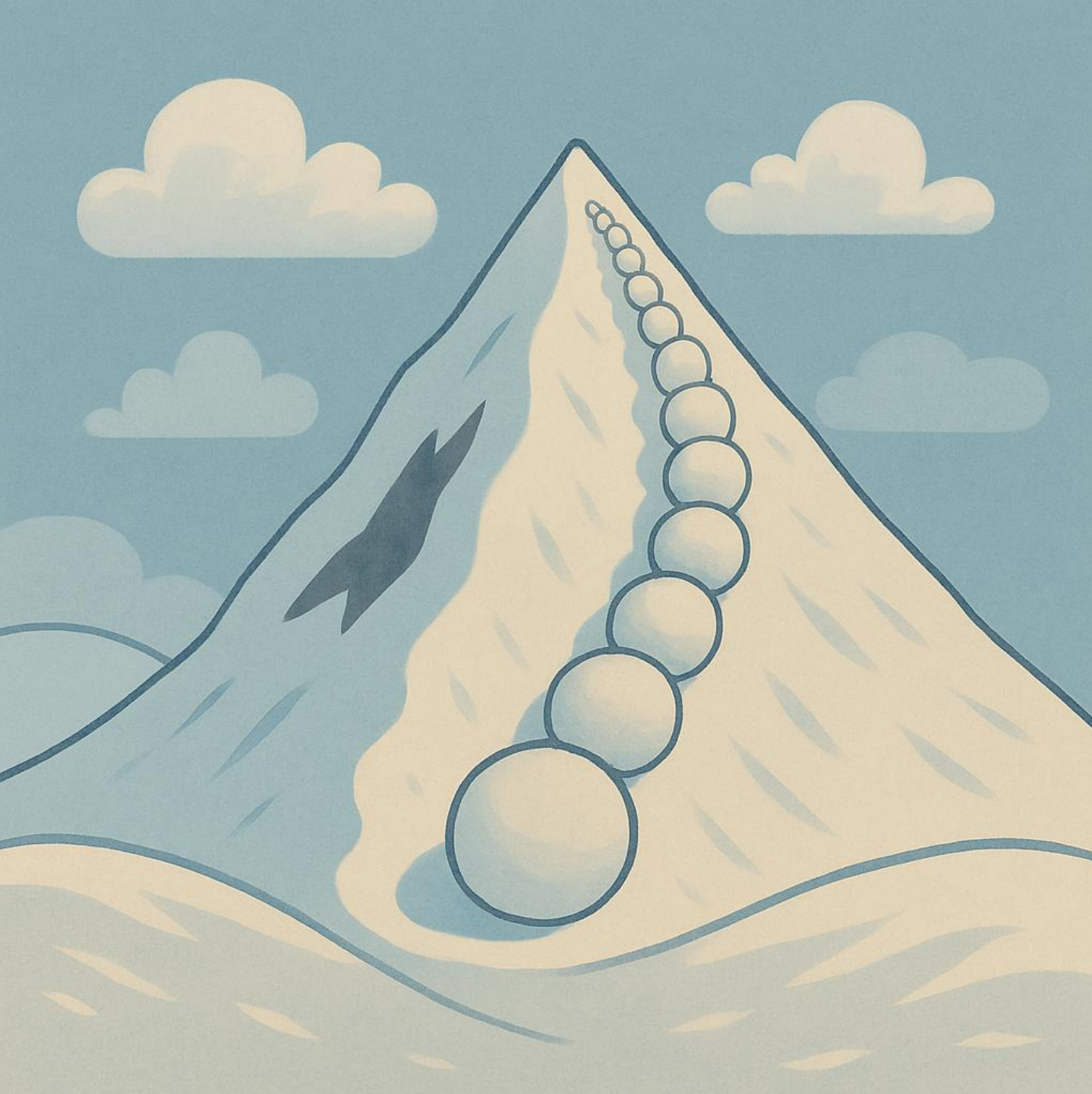


Hur kan en organisation bli datadriven på riktigt? Det ska AI Swedens nya MLOps-projekt, med det formella namnet *Data-driven organizations – Best practices for operationalization of AI in Sweden*, ge svar på. Projektet, som löper fram till December 2025, är AI Swedens största hittills, sett till antalet partner som deltar.



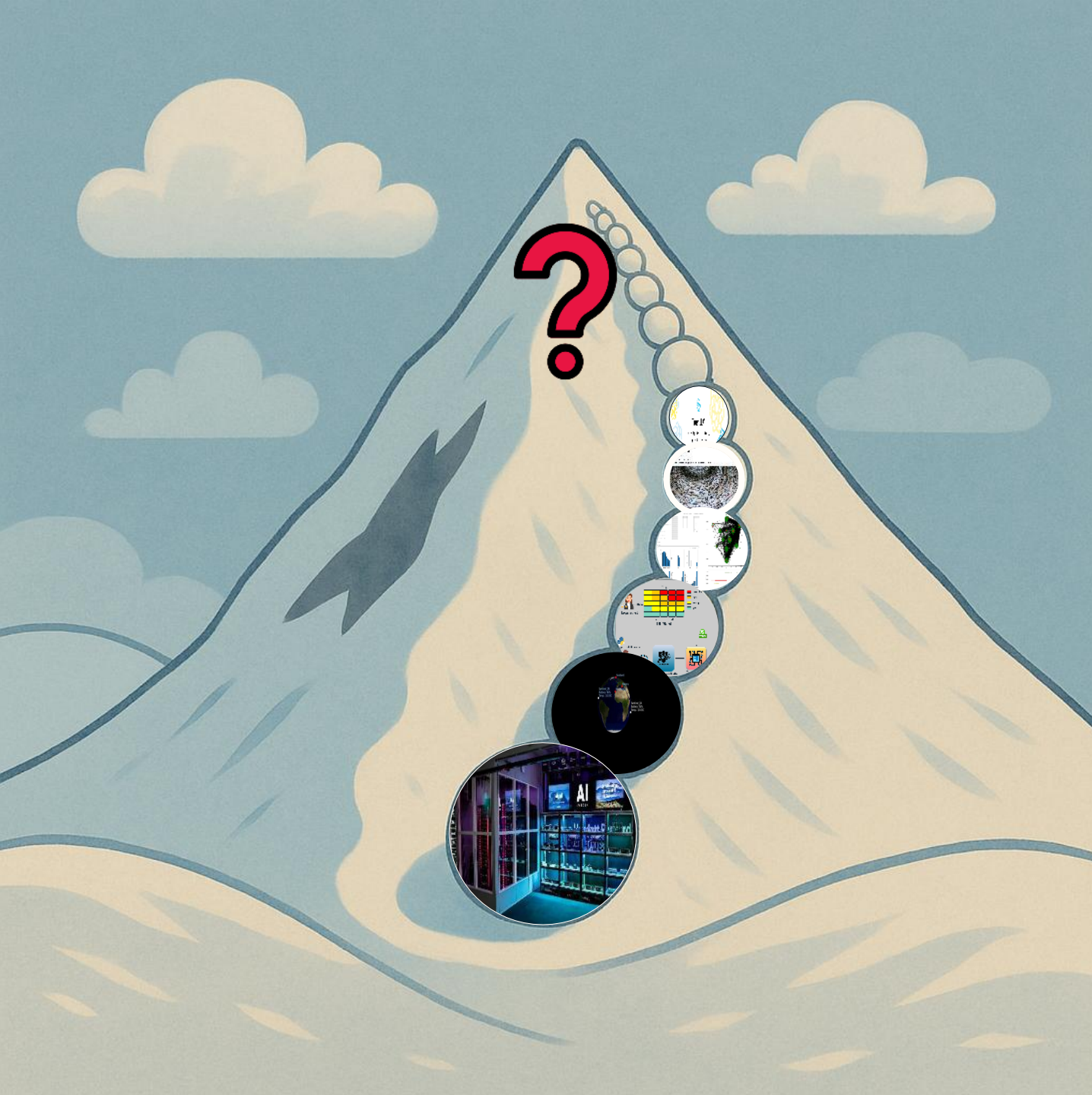
anta utmaningar och begränsningar i
 er.
 m som inkluderar globala och svenska
 ch Zenseact, vilket ger betydande expertis och

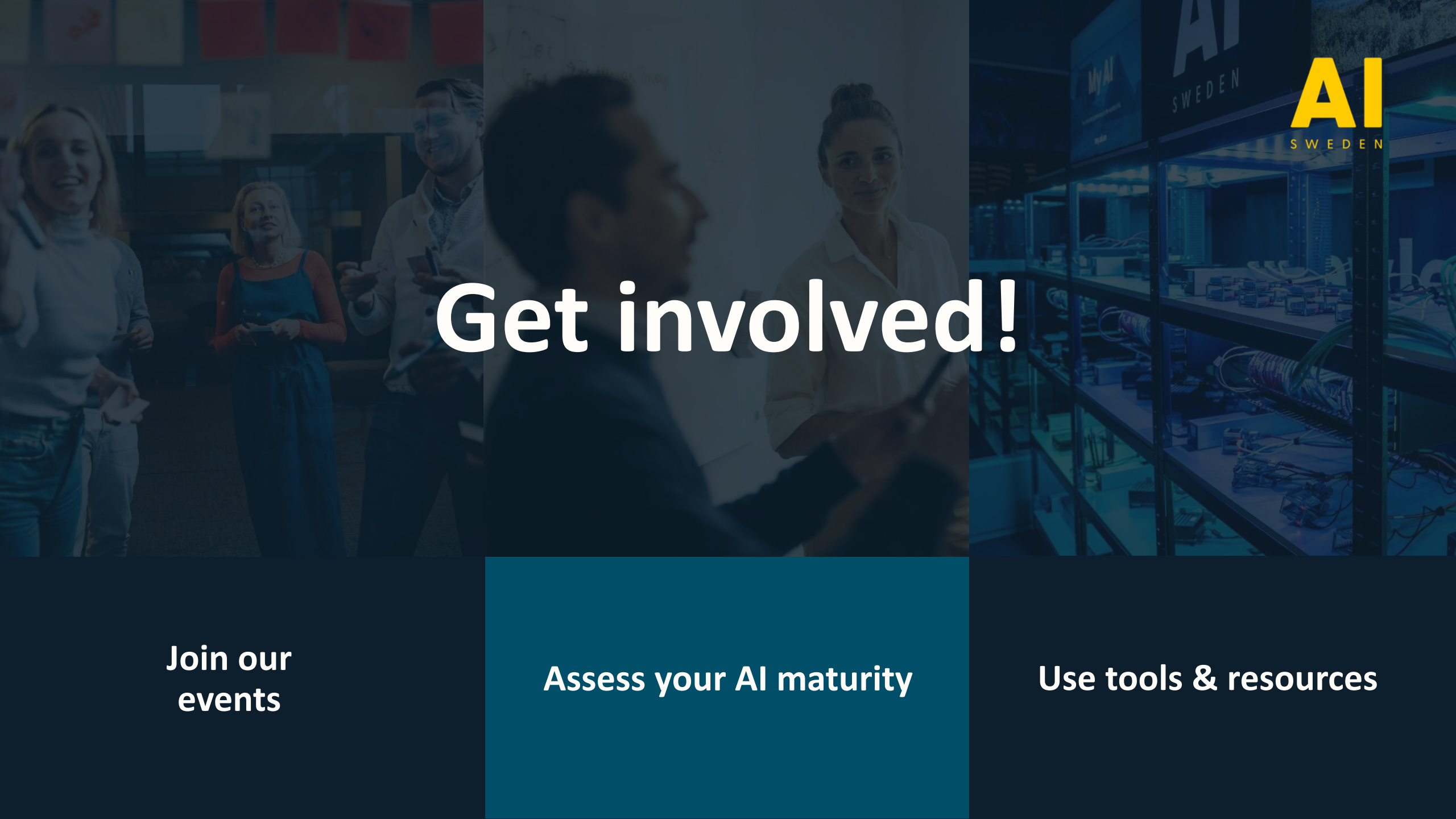




Invest Together Share With Many

Invest Together Share With Many





Get involved!

**Join our
events**

Assess your AI maturity

Use tools & resources

AI
SWEDEN

AI critical for European competitiveness

Mario Draghi presents a need for a “new industrial strategy”, and increased investment by €800bn (or 4.7 per cent of GDP) a year to boost its growth.

“We must integrate AI into our existing industries so that they can stay at the front”

“Fiscal incentives to unlock private investment therefore appear necessary to finance the investment plan, in addition to direct government investment”



140+ partners

We see a great growth in the partner network increasing with 41 during 2024. Going in to 2025 we've already reached 150+

MSEK 300

estimated total investment through AI Sweden 2024, including cash funding, partner contributions, and ecosystem engagement

43 000 h

Participants spent approximately 43 000 hours in events and seminars

31 000 h

A surge in listening hours placed the AI Sweden Podcast as one of the top tech podcasts in Sweden

16 000+ community users

My AI is the community dedicated to AI and in 2024 had over 16 000 users engaging with 250+ use cases and over 2500 other resources

86%

of partners increased their AI readiness

Based on the annual partner survey

37 AI models

were released open source with 716 000 downloads

90%

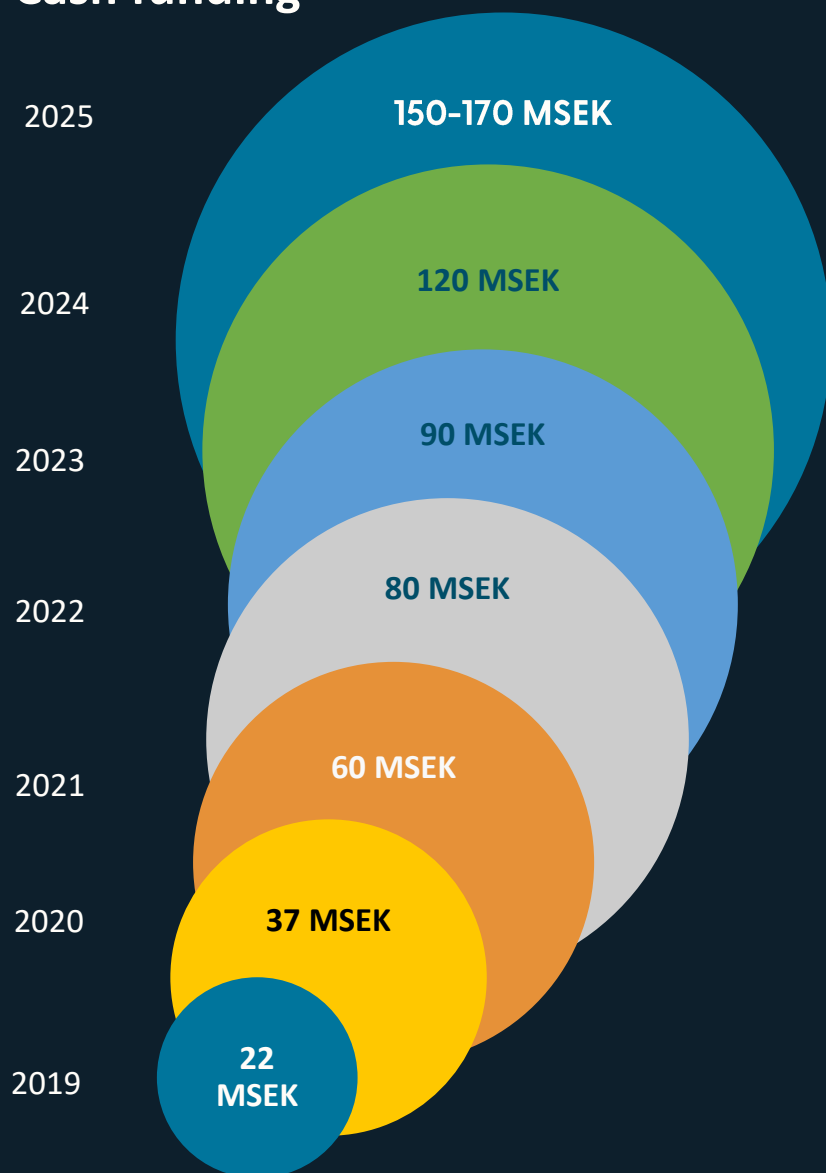
of AI Sweden partners collaborates with other partners in at least one project or initiative

Based on the annual partner survey

400+ executives

participated in tailored education sessions on driving value from AI adoption

Cash funding



New funding sources 2024

- New Partners ✓
- Specific Partner funding (e.g. Dig Assistant) ✓
- Google.org ✓
- Tillväxtverket ✓
- Rymdstyrelsen ✓
- Energimyndigheten ✓
- European Social Fund ✓
- European Union ✓
- Nordic Innovation ✓
- Svenska Kraftnät ✓
- Almi ✓
- Vetenskapsrådet - acceptance process
- Stift. för Strategisk Forskning – discussion ongoing, acceptance as research institute

Agreement (before signing)

Rise

Rise - Whisper+GPT-SWE experimentation

☰ 1



HELSINGBORG

Helsingborg City - Evaluate GPT-SW3

☰ 1

 **UNIVERSITY OF CAMBRIDGE**

Senseact & Cambridge - On-device Training for Federated Learning using Sparsity

☰ 3

DELLTechnologies

Testbed environment template - DELL - Gateway demo

☰ 1

+ Add a card

Perhaps a bit of simplification & taxonomy can help us



Semi-simplified:

- Machine Learning (ML)
 - Supervised Learning
 - Unsupervised Learning
 - Reinforcement Learning (RL)
- Natural Language Processing (NLP)/Natural Language Understanding (NLU)
 - Large Language Model (LLM)
- Neural Networks
 - Deep Learning
- Robotics
 - Spatial relations
 - Computer vision
 - Grasping objects
 - Motion control
- Expert Systems
 - Rule-based
 - Frame-based
 - Neural
 - Fuzzy
 - Neuro-fuzzy
- Fuzzy Logic
 - Singleton fuzzifier
 - Gaussian fuzzifier
 - Trapezoidal or triangular fuzzifier

Simplified

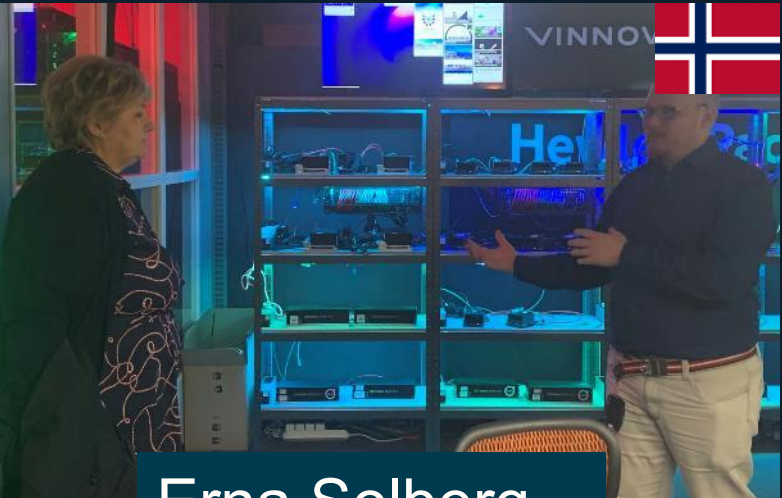
- Machine Learning (ML)
 - Numbers & Images
 - Predicts
- Generative AI
 - Text
 - Generates

Practical

- *Production AI*
- *Office AI*



Visitors



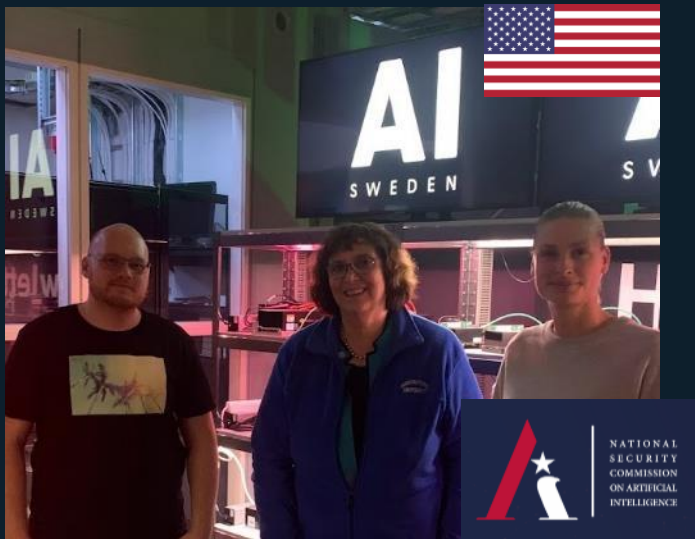
Erna Solberg



Kaja Kallas



Queen and King



José-Marie Griffiths



Bryan Reimer



Queen and King