

# Intro to Industrial Program

**Caj Södergård**

Research Professor in Digital Services, VTT  
Board of Directors, Big Data Value Association  
Coordinator of VTT Research in FCAI

# Great potential for Industry & Society

- By actively applying AI, Finnish GDP can grow by **3%** per year up to 2030, compared to **0.8%** per year if not (*Finnish Ministry of Employment and Economic Affairs*)
- Productivity of labour in Finland could be **36 %** higher with AI in 2035 (*Accenture*)
- The cumulative boost in Finnish GDP up to 2023 is **20 B€** (*Microsoft & PwC*)
- AI economic impact: **3,3 B€** per year (*McKinsey*)

# There is still a lot to do

#Alday2020

## Finland

- **3X** more companies applying AI since 2017\*
- **400** AI startups in Finland, **50** new / year.
- **3 %** of companies (> 4 employees) utilizes AI daily

## Companies using AI

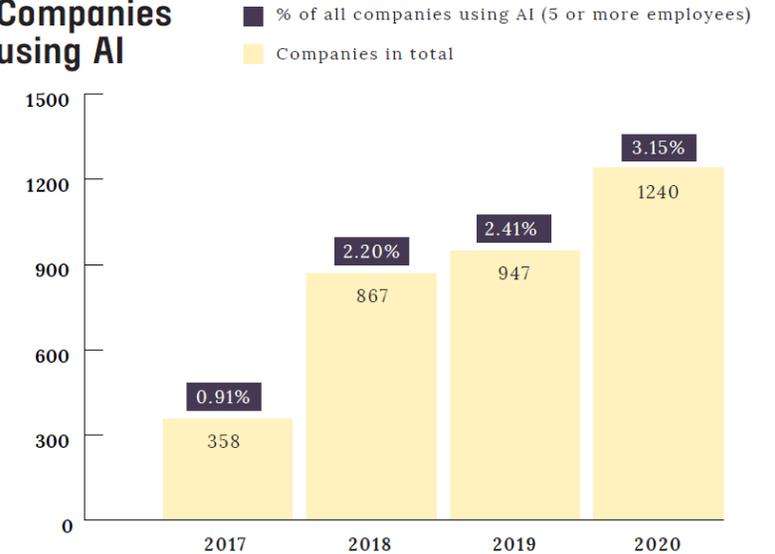


Figure 1: The graph shows the total number of Finnish firms using AI per year and the percentage of companies with 5 or more employees that use AI. Source: Eta and FAIA.

## Globally

- **210.000** scientific publications on AI 2017-20\*\*
  - AI and ML by far most common ICT topics
- ICT Job postings 2017-20:
  - ”Infrastructure” :7,1 million
  - ”Database” : 6,3 million
  - ”Relational dbms” : 5,8 million
  - ...
  - ”AI” : **100.000**



\*FAIA 2020

\*\*DataBench Observatory, 2020

🕒 13:10–14:10 INDUSTRIAL KEYNOTES

🕒 14:20–14:50 INDUSTRIAL PANEL DISCUSSION

#Alday2020

# Industrial AI Success Stories

*Chair: Caj Södergård, FCAI / VTT*

**13:10** Tero Ojanperä, *Chairman and Co-founder, Silo AI*

**13:25** Antti Poikola, *Data Economy Specialist, Finnish AI Accelerator, Technology Industries Finland*

**13:40** Harri Santamala, *CEO and Co-founder, Sensible 4*

**13:55** Nidhi Singh, *Director of Research, Elisa Corporation*

**14:10** *Break*

**14:20** **Panel Discussion**

*Panelists: Tero Ojanperä (Silo AI), Antti Poikola (Finnish AI Accelerator),  
Harri Santamala (Sensible 4), Nidhi Singh (Elisa Corporation)*