

# Hur säkrar vi Sverige som AI-nation?

– AI i Sverige, Europa och världen så in i Norden aktuellt.

Fredrik Heintz

Institutionen för Datavetenskap, Linköpings universitet

[fredrik.heintz@liu.se](mailto:fredrik.heintz@liu.se)

@FredrikHeintz

# AI ekosystemet för innovation, kompetens och forskning

Utveckling och användning av AI

Myndigheter, regioner, kommuner || Näringslivet

Stödja Innovation  
och tillämpning



**VINNOVA**  
Sweden's Innovation Agency

Avancerad  
Digitalisering

Utbildning och  
kompetensutveckling



AI Competence  
of Sweden



elementsofai.se

Forskning

**WASP**

WALLENBERG AI,  
AUTONOMOUS SYSTEMS  
AND SOFTWARE PROGRAM

**WASP—HS**



Övriga högskolor &  
universitet

# Finansiering av AI ekosystemet

AI Competence  
40 MSEK under 2 år



AI Sweden 200+ MSEK under 5+ år

Avancerad digitalisering

2300+ MSEK  
5+ år

WASP-ED 20+ MSEK under 3 år

WASP-HS 700+ MSEK under 10+ år

**WASP**  
6000+ MSEK  
under 15+ år

2015

2023

2030

- Wallenberg AI and Transformative Technologies Education Development Program
- Purpose: significantly increase the capability and capacity of Swedish universities in providing timely, relevant, and scalable education in AI and other transformative technologies
- Objectives: 1) Provide educational foundations  
2) Scale-up the national educational capacity  
3) Scale-out education to disciplines and professions beyond the technical core  
4) Develop data-driven education and pedagogical transformation
- Work areas:

WA3 Course Development  
Develop modular course content

WA6 Teaching Competence Development  
Provide professional development support for teachers

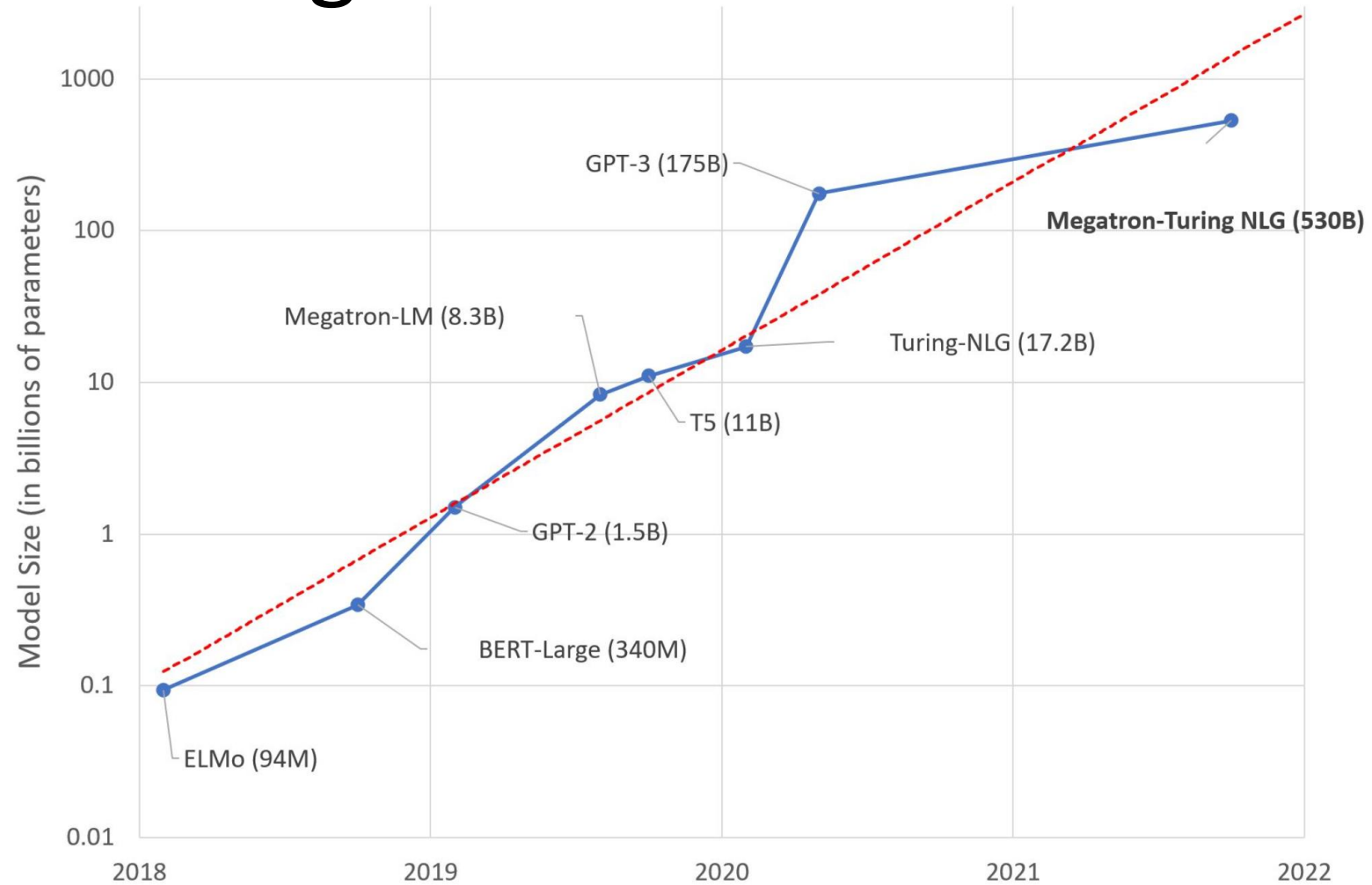
WA2 Program Development  
Develop flexible and adaptable course packages for different roles

WA5 Technical Platform and Education Data  
Provide a technical platform for delivering courses and course content

WA1 Curriculum Development  
Provide a comprehensive overview of the subject matter content

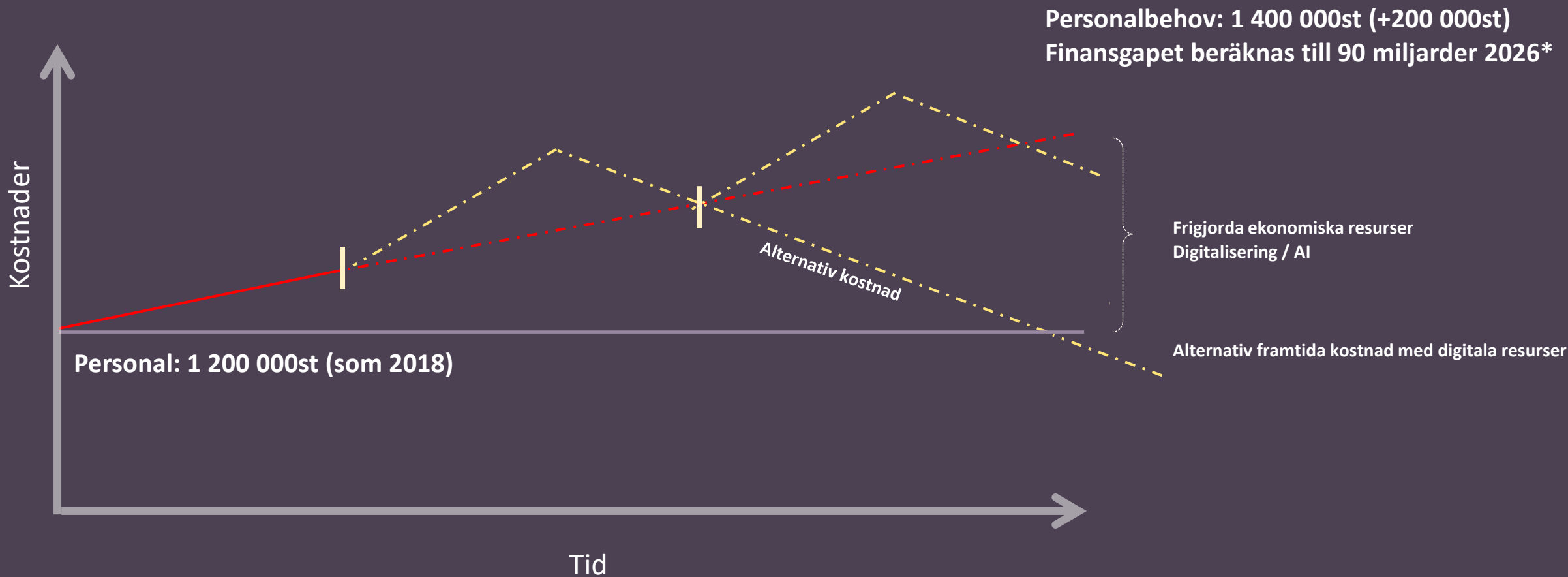
WA4 Pedagogical Development and Learning analytics  
Provide support for pedagogical experimentation and development

# Skala och Hastighet



# Vårt utrymme för handling minskar varje dag...

Välfärdskostnaderna ökar snabb



# PRIVATE INVESTMENT in AI by GEOGRAPHIC AREA, 2013–21

Source: NetBase Quid, 2021 | Chart: 2022 AI Index Report

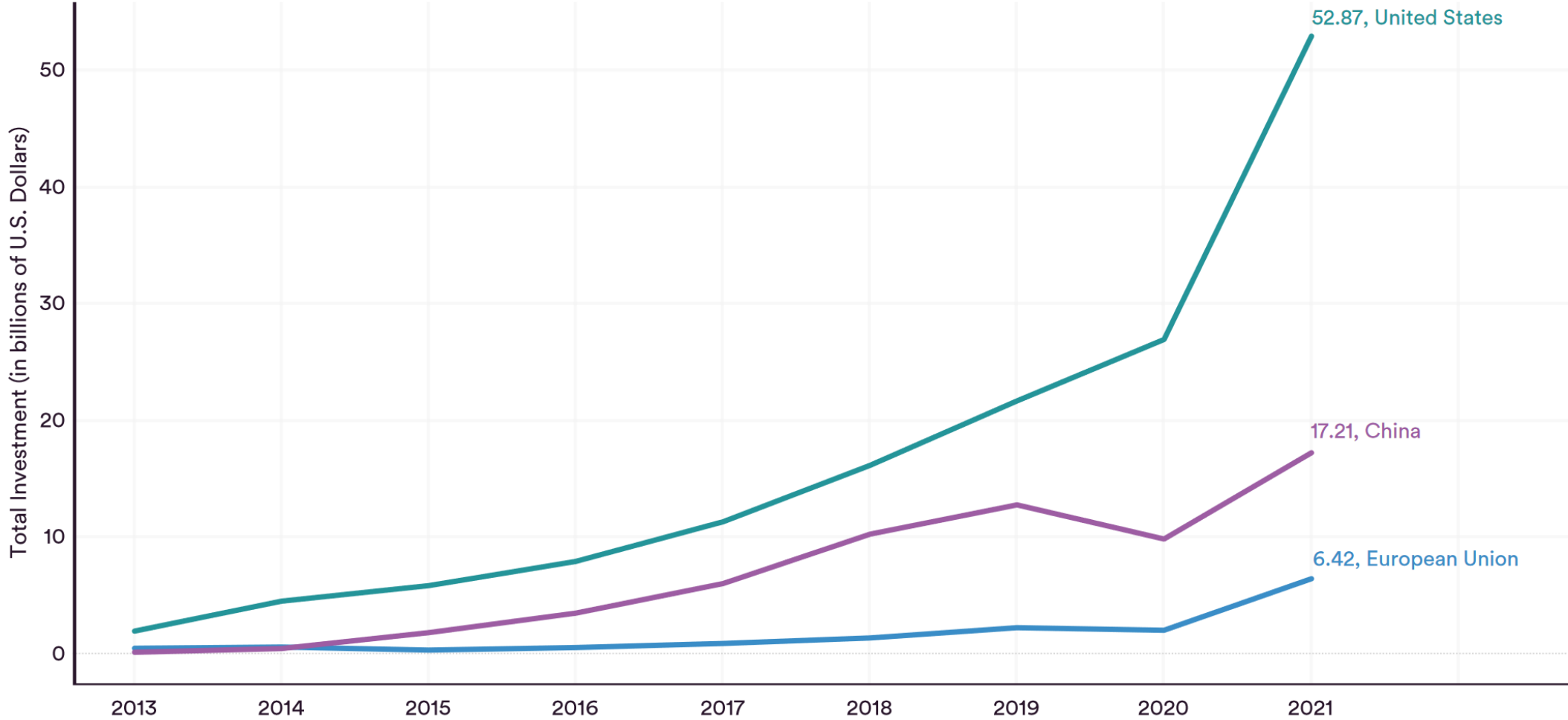


Figure 4.2.6

AI Act requirements (articles 9-15) Support to building trust in AI as <u>technology</u> TBD 2023, in force 2026	CEN and CENELEC draft request December 2022 European standards / <u>standardisation deliverables</u> to be drafted in support of trustworthy <u>AI</u> Deadline Jan 2025	ISO/IEC standards and/or ongoing <u>standardisation work</u>
Risk management system (art 9)	Risk management system for AI systems	23894:2023 AI risk management TR 24028:2020 AI trustworthiness TR 22100-5:2021 <i>Machine safety and AI</i>
Data quality (art 10)	Governance and quality of datasets used to build AI systems	38505-1:2017 Data governance TR 24027:2021 Bias in AI
Record keeping (art 12)	Record keeping through logging capabilities by AI systems	
Transparency and information to users (art 13)	Transparency and information provisions to the users of AI systems	TR 24028:2020 AI trustworthiness TR 9241-810:2020 Human-system interaction
Human oversight (art 14)	Human oversight of AI systems	TR 24028:2020 AI trustworthiness TR 9241-810:2020 Human-system interaction
Accuracy (art 15)	Accuracy specifications for AI systems	TR 24028:2020 AI trustworthiness
Robustness (art 15)	Robustness specifications for AI systems	TR 24029-1:2021 Robustness of neural networks
Cybersecurity (art 15)	Cybersecurity specifications for AI systems	TR 24028:2020 AI trustworthiness 27001:2022 / 27002:2022 Organisational cybersecurity
Quality management system (art 17)	Quality management system for providers of AI systems, including post-market monitoring process	38507:2022 Organisational governance of AI
Conformity assessment (art 43)	conformity assessment for AI systems	



To lead in regulation Europe has to lead in innovation

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