

Teknolohiateollisuus



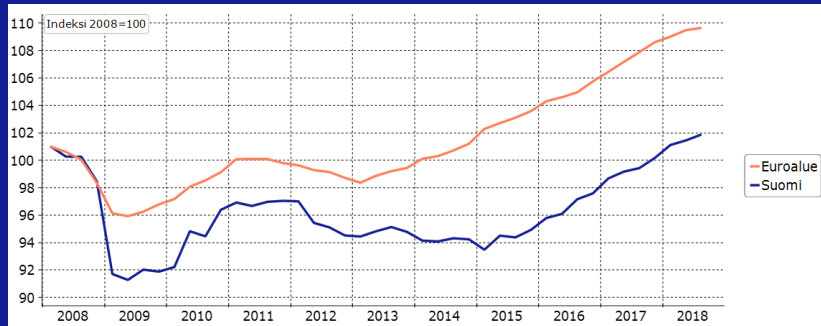
Innovating growth

MPD 5.6.2019

Jaakko Hirvola, CEO, Technology Industries of Finland

The growth challenge

- Finnish GDP growth since 2008 is 8% below Eurozone average



The growth solution

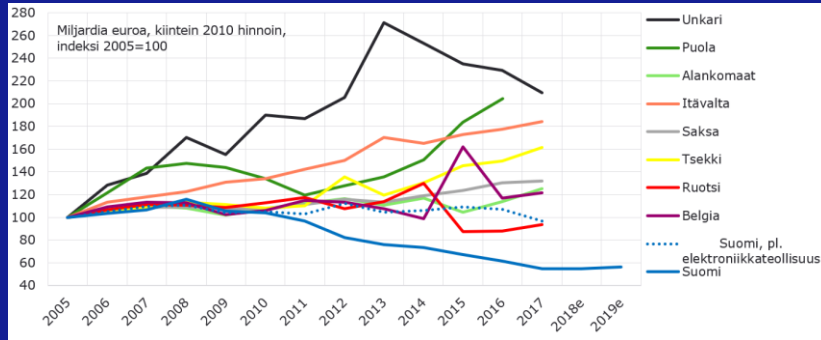
- Growth = ideas + skills
- "The economy has grown 2/3 due to innovation and 1/3 due to education"

(Matti Pohjola)



The innovation challenge

- Research & Development & Innovation investments halved in Finland since 2005



The innovation solution

- Business driven innovation ecosystems
 - Big and small companies in concert with universities and research institutions
 - E.g. OneSea, Intelligent Industry Ecosystem, Reboot IoT Factory, EnergyVaasa, ...
- Public RDI investments 2,7 -> 4% GDP
 - 1 public € => 2 private €
- EU innovation funding programs
 - HorizonEurope
 - IPCEI



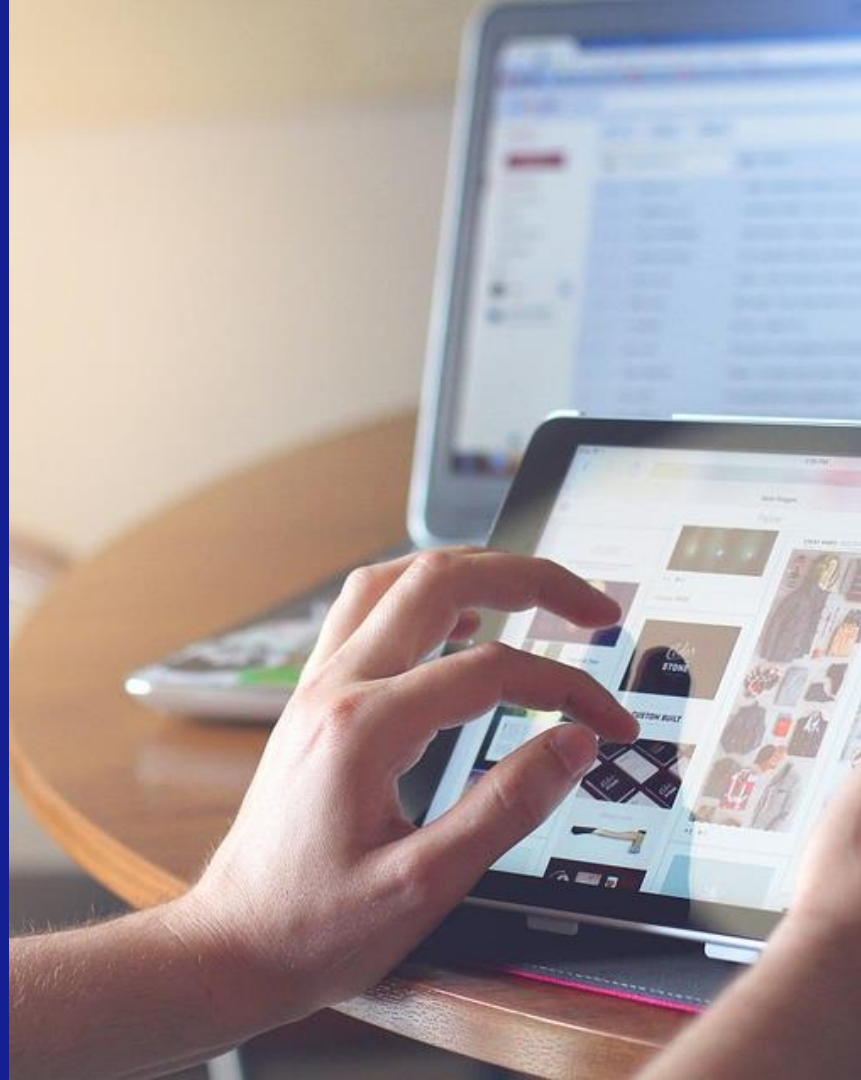
The skills challenge

- Acute skills shortage in Finland: 53.000 new professionals needed in Technology Industries alone by 2021
- ICT skills urgently needed
- Europe lagging behind in Digital + AI
- Reskilling challenge: 1/3 of professions and tasks automated/disrupted by 2030



The skills solution

- Lifelong learning enabled by education system, businesses and employees in co-operation
- High profile globally competitive universities
- Reform of vocational upper secondary education
- Employment based high volume immigration made easy

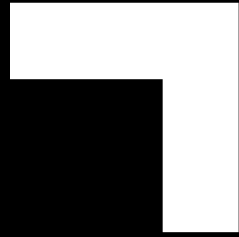


Growth = ideas + skills

Thank you!

@JaakkoHirvola, Technology Industries of Finland





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