EU Support to Innovation and Industry 4.0

Signe Ratso, Deputy Director-General DG Research and Innovation

Industry 4.0 in practice May 29, Tallinn, Estonia



The Commission contribution to the informal EU27 leaders' meeting in Sibiu, 9 May 2019

Research and innovation is key to address effectively the pan European social challenges: protecting citizens, democracy and freedom; building a greener and more inclusive future

Research and innovation is the main driver for economic growth

The Commission has proposed a € 100 billion research and innovation funding programme for seven years (2021-2027)





'With growing international competition, Europe needs to act urgently on research and innovation. The proposed € 100 billion for the next EU research and innovation programme would be a huge boost.'

Carlos Moedas, Commissioner, 15/05/2018

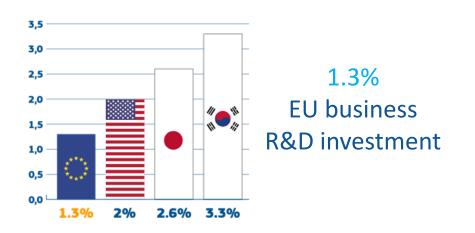


While benefiting from world-class research and strong industries...

Our knowledge and skills are our main resources.

- \rightarrow 7% of the world's population
- → 20% of global R&D
- \rightarrow 1/3 of all high-quality scientific publications

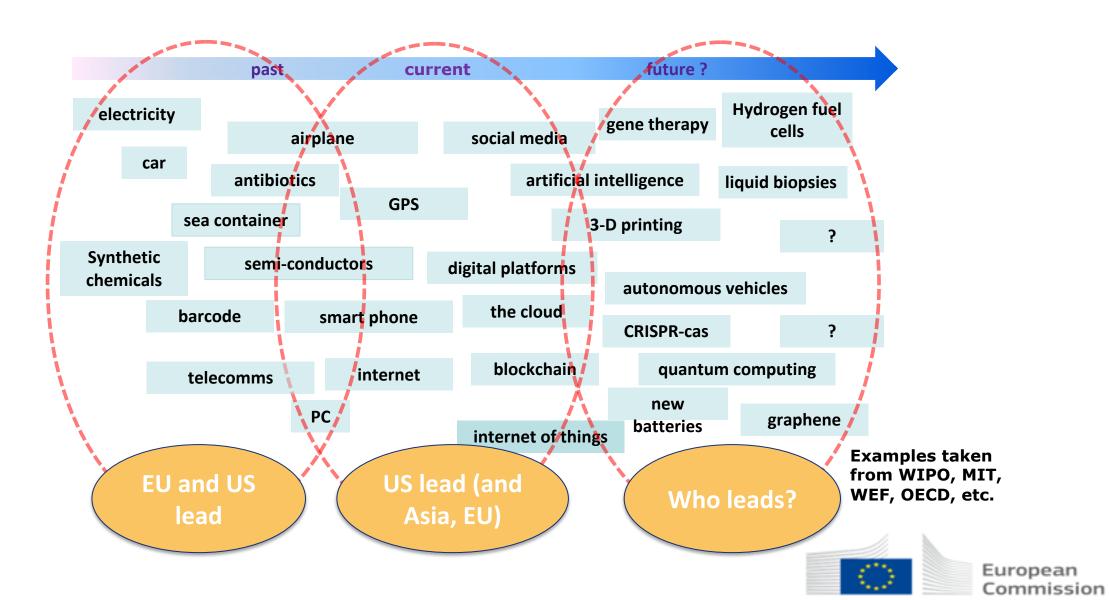




...Europe fails to transform leadership in science into leadership in innovation and entrepreneurship

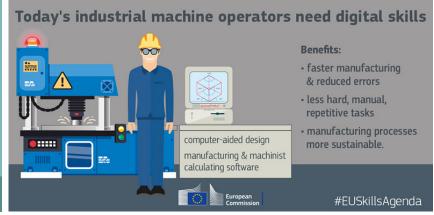


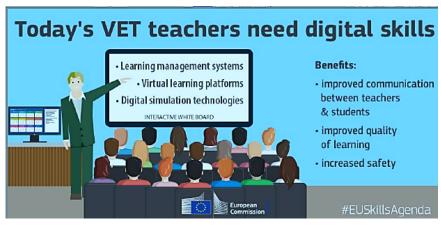
Who will lead the next wave of breakthrough and disruptive innovation?



DIGITISATION IS TRANSFORMING THE ECONOMY





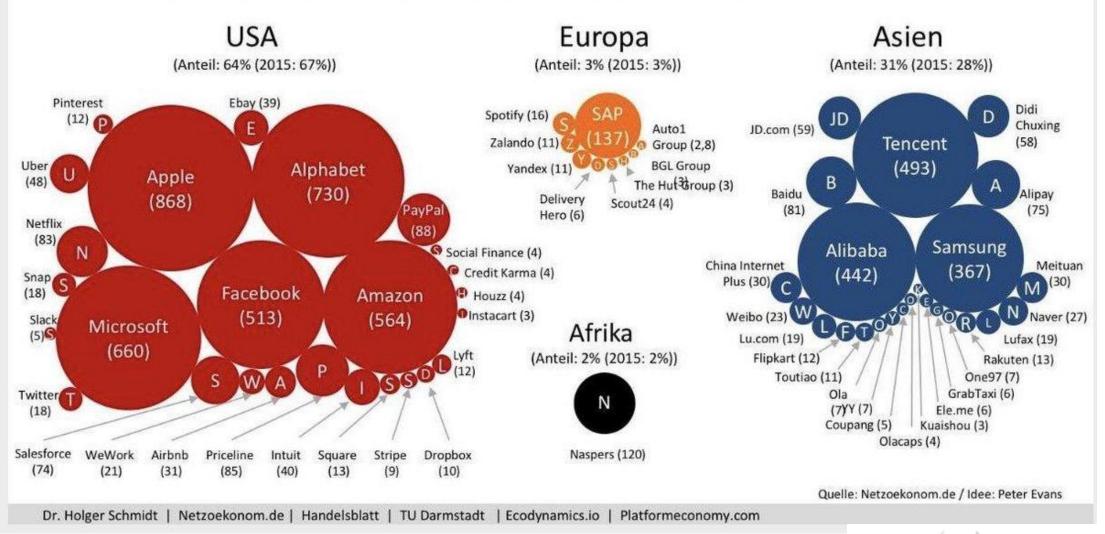






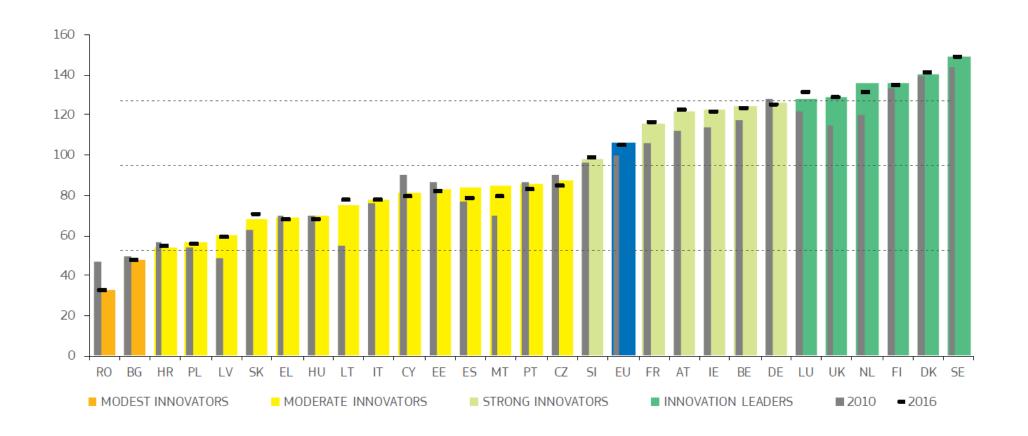
Die Unwucht der Plattform-Ökonomie

Die 60 wertvollsten Plattformen der Welt (Mrd. Dollar (Börsenwert; jüngste Finanzierung / Stand 31. Dezember 2017))



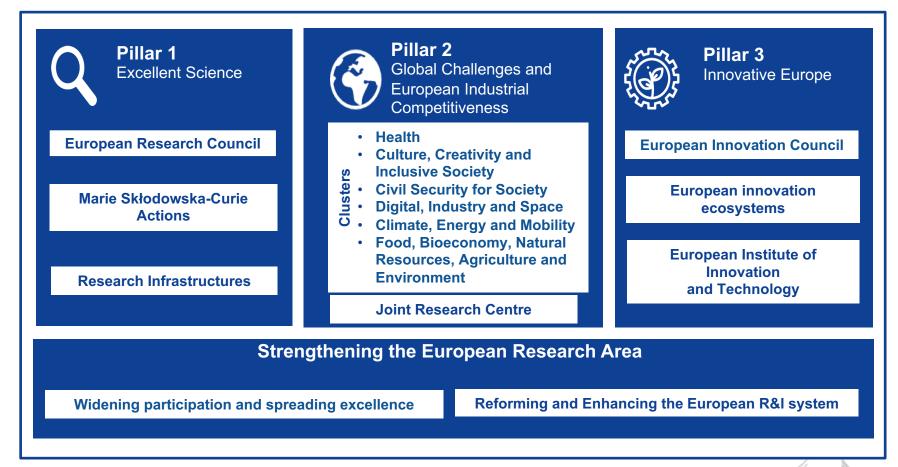


European Innovation Scoreboard 2018 Summary Innovation Index





Horizon Europe: structure





Sweetwoods: an Estonian success story in a bio based industry partnership: BBI JU

graanul invest







The EIC will support innovations with breakthrough and disruptive nature and scale up potential that are too risky for private investors.

European Innovation Council Helping innovators create markets of the future, leverage private finance, scale up their companies, Innovation centric, risk taking & agile, proactive management and follow up

Two complementary instruments bridging the gap from idea to investable project

Pathfinder: grants (from early technology to pre-commercial)

Accelerator:
grants & blended finance
(from pre-commercial
to market & scale-up)

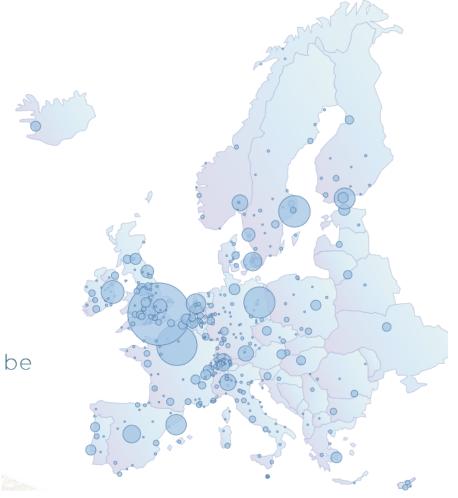


Skeleton technologies : an Estonian success story in EU R&I





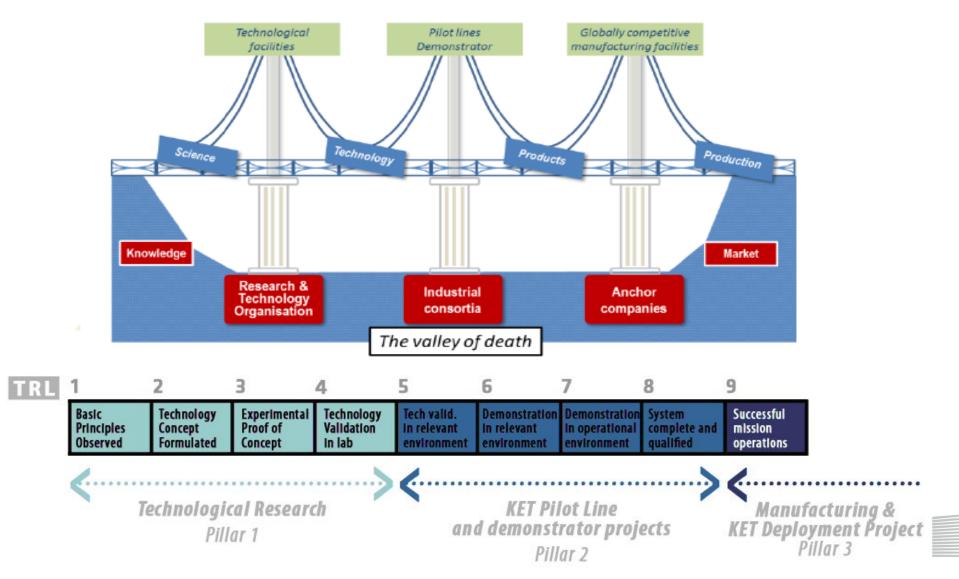
European tech ecosystems are rich but can only reach their full potential if better interconnected



Map of the 476 European cities with at least one scale-up company, Startup Europe "Startup City Hubs in Europe" 2018 report



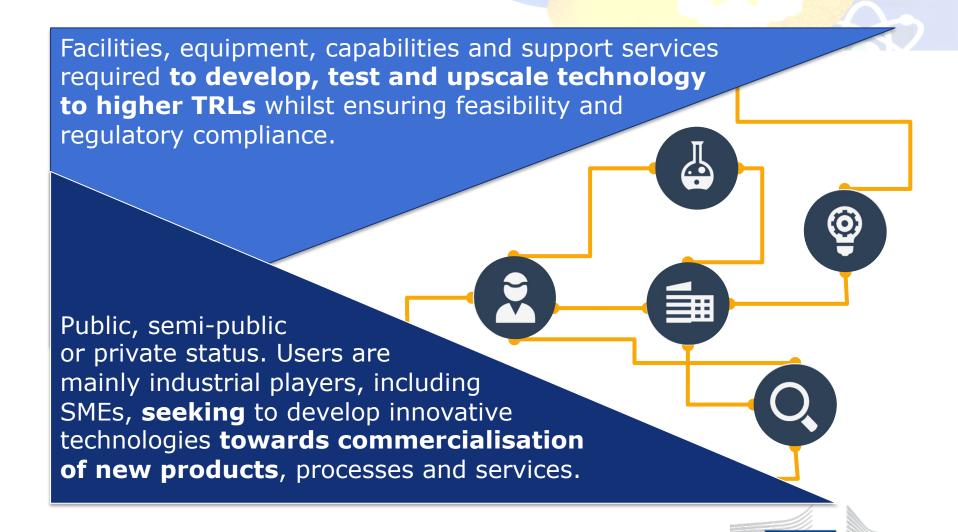
Crossing the valley of death



European

Commission

Technology Infrastructures



European Commission

Importance of Technology Infrastructures

European Prosperity

Strong industry of key importance

Competitive Economy

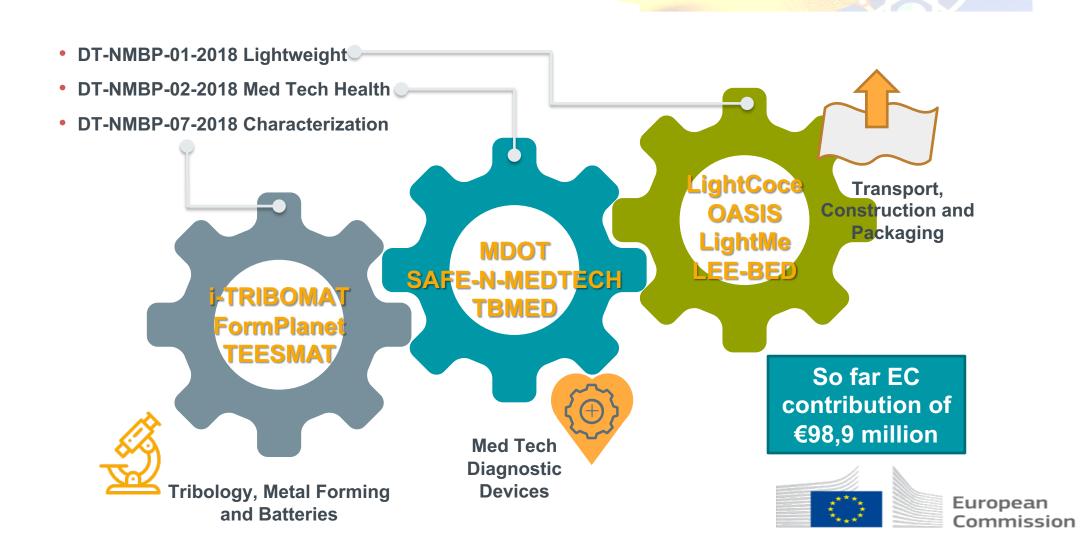
- Requires Adaptation and Innovation
- Need to invest in new technologies

Technological Complexity

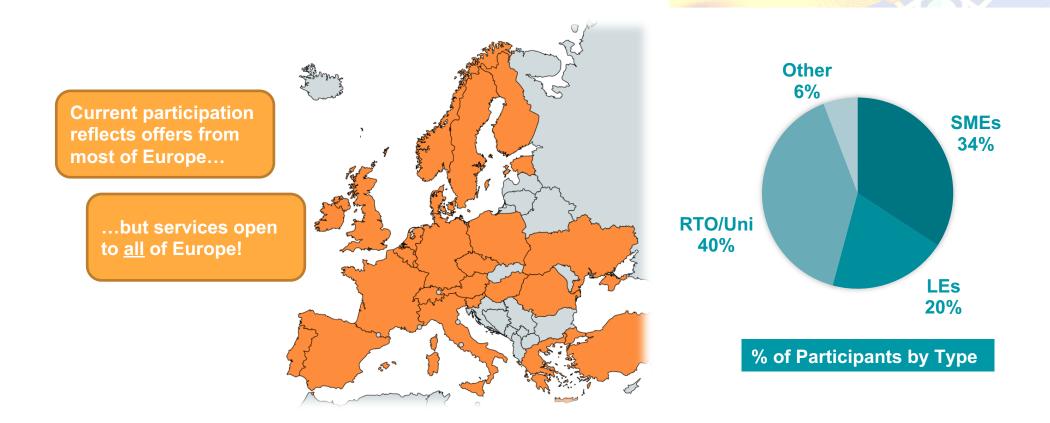
 Need to test, validate and upscale new technology solutions



Open Innovation Test Beds – 10 projects started in 2019



Open Innovation Test Beds – 10 projects started in 2019





EUROPEAN RESEARCH & INNOVATION DAYS





24 → 26 SEPTEMBER

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Brussels, BELGIUM

20 19

#RiDaysEU
@EUScienceInnov



Thank you!

#HorizonEU

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European Innovation Council

http://ec.europa.eu/research/eic

EU budget for the future

http://ec.europa.eu/budget/mff/index en.cfm

