



#### FINANCIAL TIMES

Opinion EU tech regulation

## There is a 'third way' for Europe to navigate the digital world

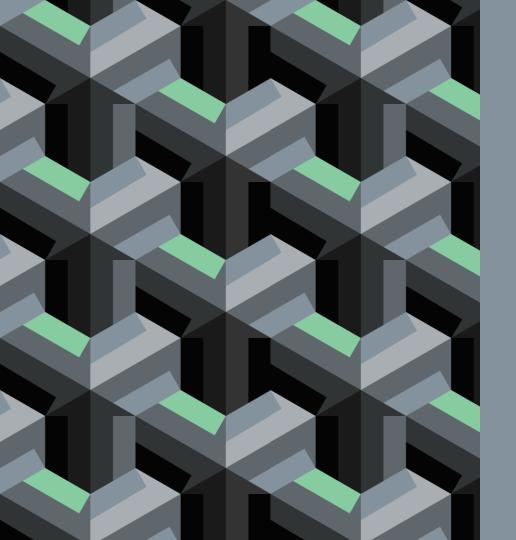
Silicon Valley's libertarianism and China's authoritarianism are not the only paths

JOHN THORNHILL



...many of the most interesting areas for the use of tech are in heavily regulated sectors, such as healthcare, education, energy and transport. If Europe can develop a mutually beneficial relationship between public sector innovators, entrepreneurs and regulators, that fosters innovation while protecting citizens, it may be in with a shout....





### Ecosystems





Research topic: The benefits of innovation ecosystem participation for firms

Key findings: Most of the Finnish innovative firms (a sample of 473 Business Finland applicants and their CEO's) report to belong to multiple innovation ecosystems and the firm level impact of innovation ecosystems is positive in general

Reference: Mirjam Knockaert, Matthias Deschryvere & Laura Lecluyse et al. (2019). Science and Public Policy, doi: 10.1093/scipol/scz002)

6.6.2019



## Note: 8% of the firms experienced growth barriers related to the ecosystem, such as:

Competition between ecosystem members

Use of resources (money, people, time)

**Ecosystem dynamics are (too) slow** 

Limits with whom you can work

Scattered or concentrated ownership of ecosystem

**Ecosystems can narrow the scope** 

Different expectations of the members from different industries

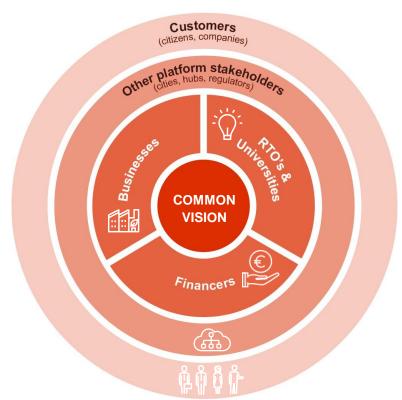
6.6.2019 VTT – beyond the obvious



#### An Innovation Ecosystem is...

A partnership of complementary players who share the same vision and are willing to contribute to joint actions in order to achieve the individual and joint goals.

Innovation ecosystems are necessary, because challenges and solutions are so **complex and systemic** that no actor has the capacity nor the capability to create successful business applications alone in the needed time frame.





# The industrial sector creates roughly

15 Gt annual GHG emissions

1/4
of global emissions







## **Smart** Otaniemi -Let's re-discover energy together.











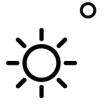






#### **Current pilot members in Smart Otaniemi**





VTT, Softability, Arisense, Agiler, Elenia, Vincit



**Pilot integration** 

ABB, Caruna, Nokia, Eneron, Fourdeg, Green Energy Finland, Senego, Tieto, Gravito, VTT, Aalto University, Wirepass, UPM Energy, **Process Genius, Fidelix** 









VTT, Aalto University, Nokia, Streamr







Empower, Fingrid, Caruna, e2m, Green Energy Finland, **Aalto University, VTT** 







e2m, Väre Energia, Granlund, Ensto, Parking Energy, Merus Power, Green Energy Finland, Fingrid, VTT









VTT, Aalto University, Väre Energia, ACRE, Eneron, Fourdeg, **Green Energy Finland** 

FLEXIMAR



## The industrial sector creates roughly

1/4

of global employment

1/4

of global GDP

In Finland 1,1 million jobs

46% of our GDP value



#### Did you know that

2015
50%
of B2B purchase decision by millennials

90% of millennials want to use their skills for good

Currently, 50 percent of the globe population is under 30

Millennials will change the B2B and the industry of the future will be different



# bey<sup>O</sup>nd the obvious

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