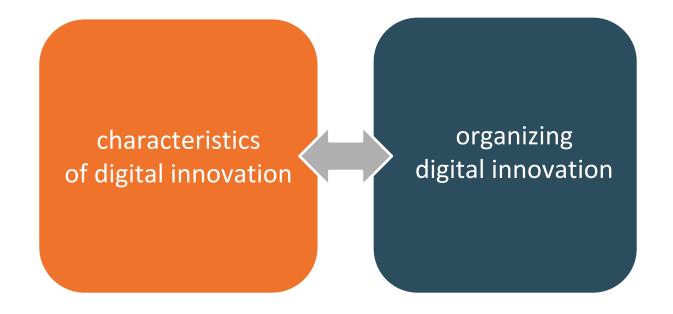
INNOVATION PROCESSES IN A DIGITIZING WORLD

Hans Berends
Digital Innovation Summit, May 23, Amsterdam





Center for Digital Innovation

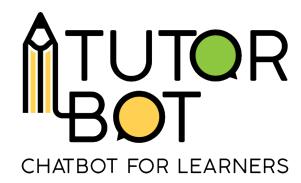


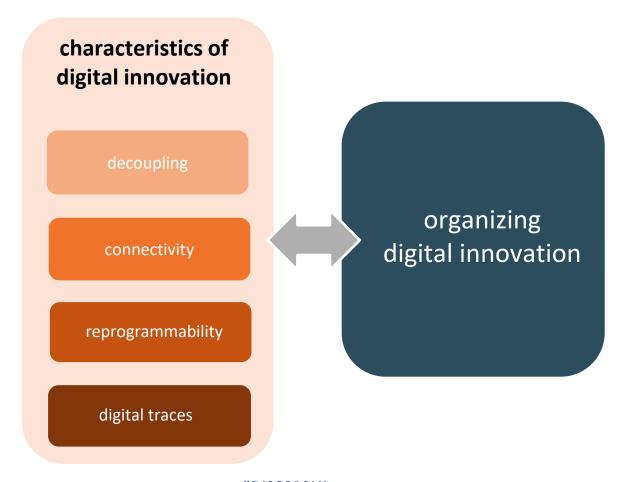






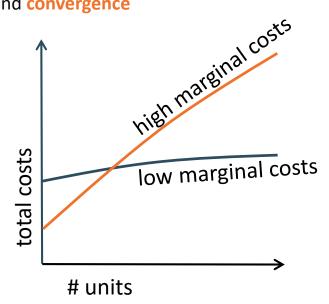






DECOUPLING

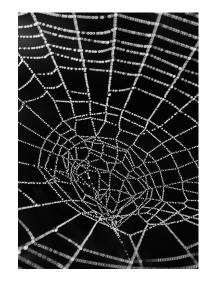
- decoupling of content and medium
- consequence: low marginal costs
- and convergence







CONNECTIVITY



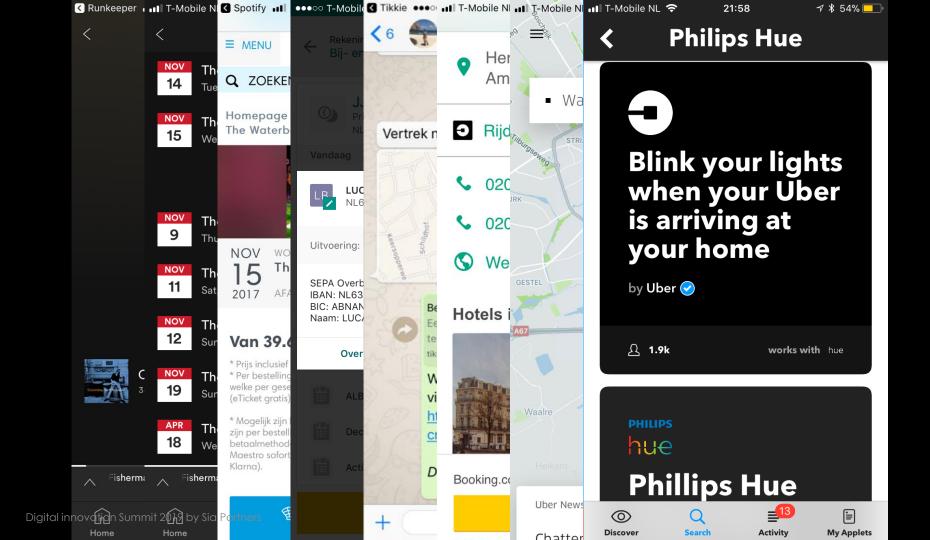
USERS
direct
network effects



PRODUCTS indirect network effects



PROVIDERS
ongoing
service delivery



REPROGRAMMABILITY

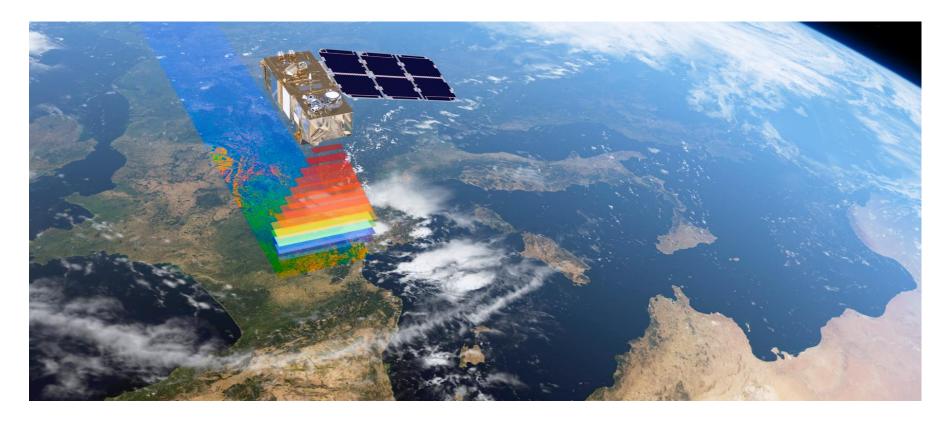
- decoupling of form and function
- leads to generativity



"We did the first software update of a light bulb in 136 years since they were first invented. That is exciting!"

(George Yianni, Philips Hue)

DIGITAL TRACES



characteristics of digital innovation

decoupling

connectivity

reprogrammable

digital traces

organizing digital innovation

industries: convergence & disruption

collaboration: platforms and ecosystems

development: iterative and datadriven characteristics of digital innovation

decoupling

connectivity

reprogrammable

digital traces

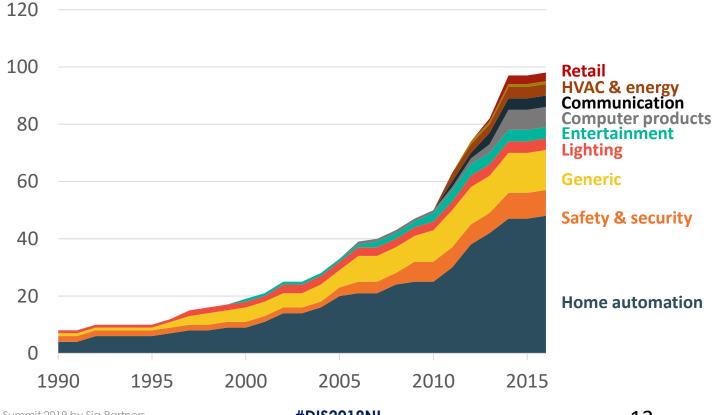
organizing digital innovation

industries: convergence & disruption

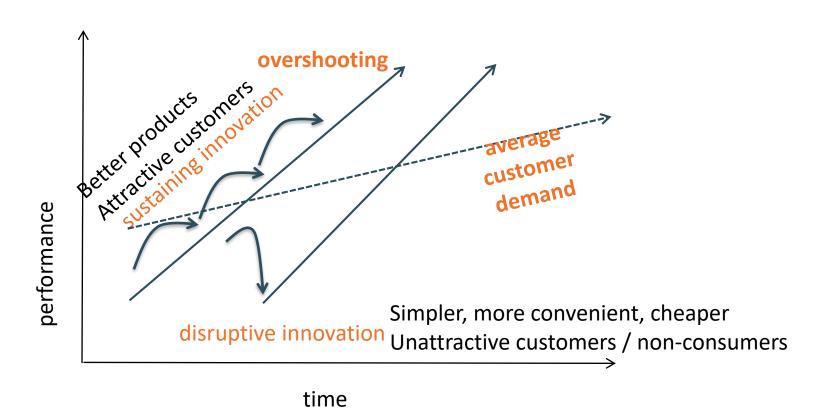
collaboration: platforms and ecosystems

development: iterative and datadriven

CONVERGENCE: SMART HOME PLATFORMS



SUSTAINING AND DISRUPTIVE INNOVATION



#DIS2019NL

characteristics of digital innovation

decoupling

connectivity

reprogrammable

digital traces

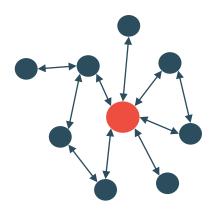
organizing digital innovation

industries: convergence & disruption

collaboration: platforms and ecosystems

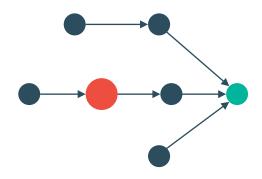
development: iterative and data-driven

COLLABORATION IN INNOVATION ECOSYSTEMS



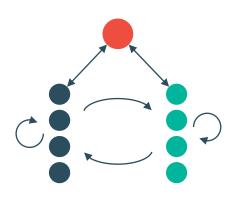
KNOWLEDGE ECOSYSTEM

integration through shared knowledge domain



BUSINESS ECOSYSTEM

integration around value proposition

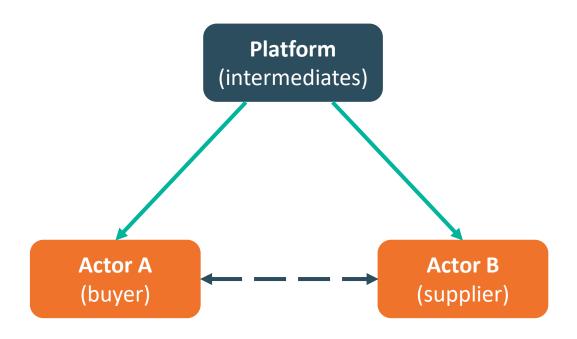


PLATFORM ECOSYSTEM

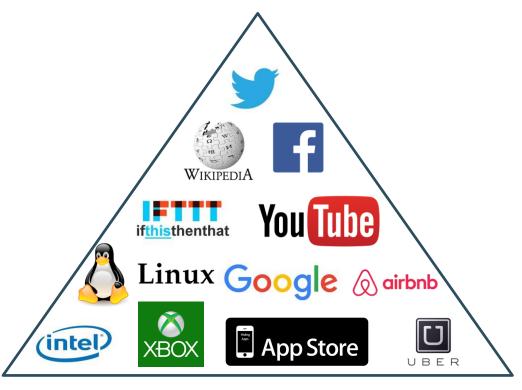
integration through platform architecture and interfaces

#DIS2019NL

PLATFORM: TWO-SIDED MARKET



Social platforms



Open product platforms

Market platforms

BENEFITS OF (DIGITAL) MULTISIDED PLATFORMS



reduction of transaction costs
Searching contracting monitoring



bundling & unbundling

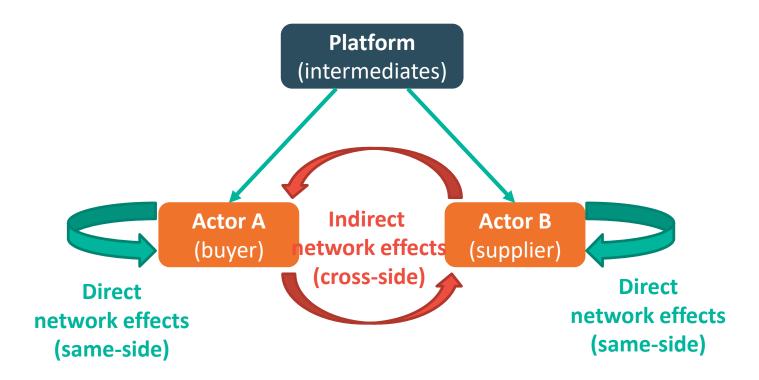


leverage (underutilized) external resources



rapid scaling through lower resource needs

DIFFERENT TYPES OF NETWORK EFFECTS



FEW PLATFORMS TAKE MOST OF THE MARKET...

Messaging Apps (The Netherlands, 2018)



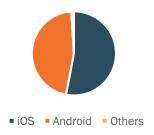
Social Networking (2017)



Facebook VK

WhatsApp

Twitter Instagram Mobile Operating Systems (US, 2018)



Video game consoles (2017)



Sony Playstation 4

#DIS2019NL

Streaming Music Services 2017



Spotify

Apple Music

Crowdfunding Platforms (The Netherlands, 2017)



Collin Crowdfund Funding Circle

Duurzaaminvesteren

Geldvoorelkaar

Digital innovation Summit 2019 by Sia Partners

COMPLEMENTARITY STRATEGIES

low

adaptation BY others

(others adapt to focal firm to establish specific complementarity) **high**

Generic complementor

Orchestrator platform



Dominant complementor



Adaptation TO

(focal firm adapts to others to establish specific complementarity)

others

complementor

Adaptive

Connector platform



#DIS2019NL

Mutual complementors



high c

characteristics of digital innovation

decoupling

connectivity

reprogrammable

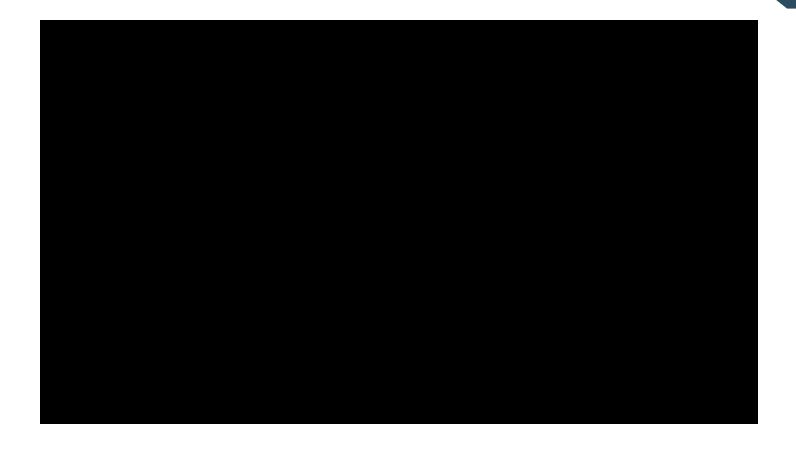
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collaboration: platforms and ecosystems

development: iterative and datadriven



DEVELOPMENT OF DEVELOPMENT APPROACHES



effectuation to create new opportunities
experimentation to reduce uncertainty
design thinking to focus on user value
time-pacing for rhythmic progress
iteration to harness learning

BARRIERS TO DIGITAL INNOVATION









technology push

product mindset

myopic focus

organizational silos



Executive education program



Looking beyond the hypes!

Key benefits of our program:

- learn the latest insights, theories and models on DIT
- develop competencies to design, implement and manage DIT
- critically reflect on the consequences of DIT in practice

