

Digitisation & #ClimateAction

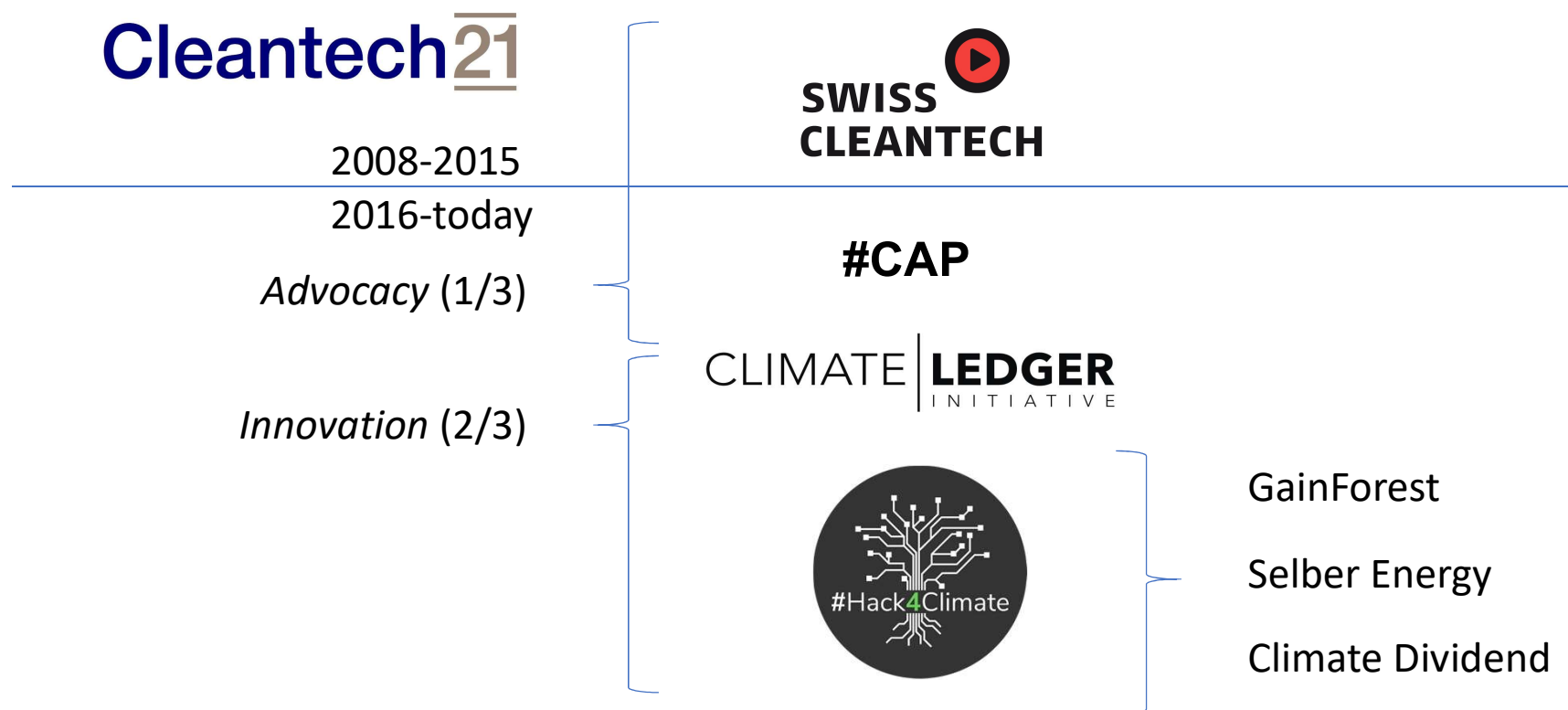
(‘how to panic & innovate’)

SB50

Bonn, 25/06/2019

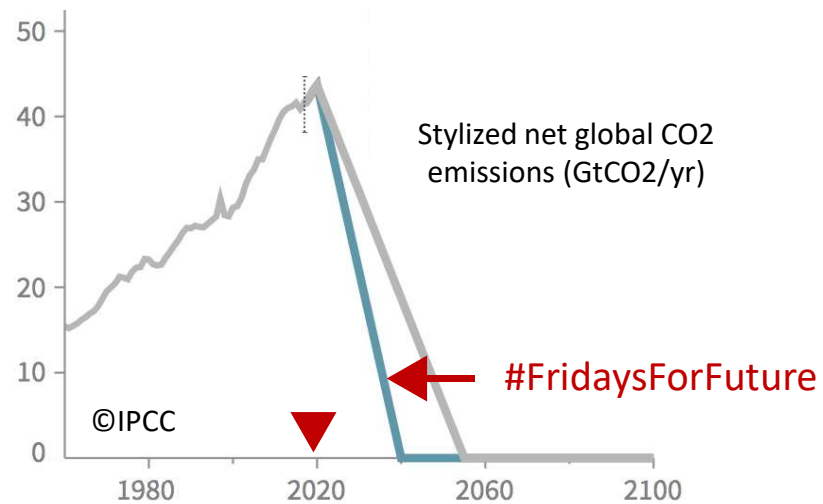
Cleantech21 Foundation

(not-for-profit, independent, mission: #ClimateAction with a leverage)



Climate Change: Exponential Progress Needed (‘disruption’)

Challenge: Exponential decarbonization



Key Solution: Fourth Industrial Revolution (4ID) Tech



1st

Mechanisation,
Steam and
Water Power



2nd

Mass
production,
Assembly lines,
electricity



3rd

Computer &
Automation



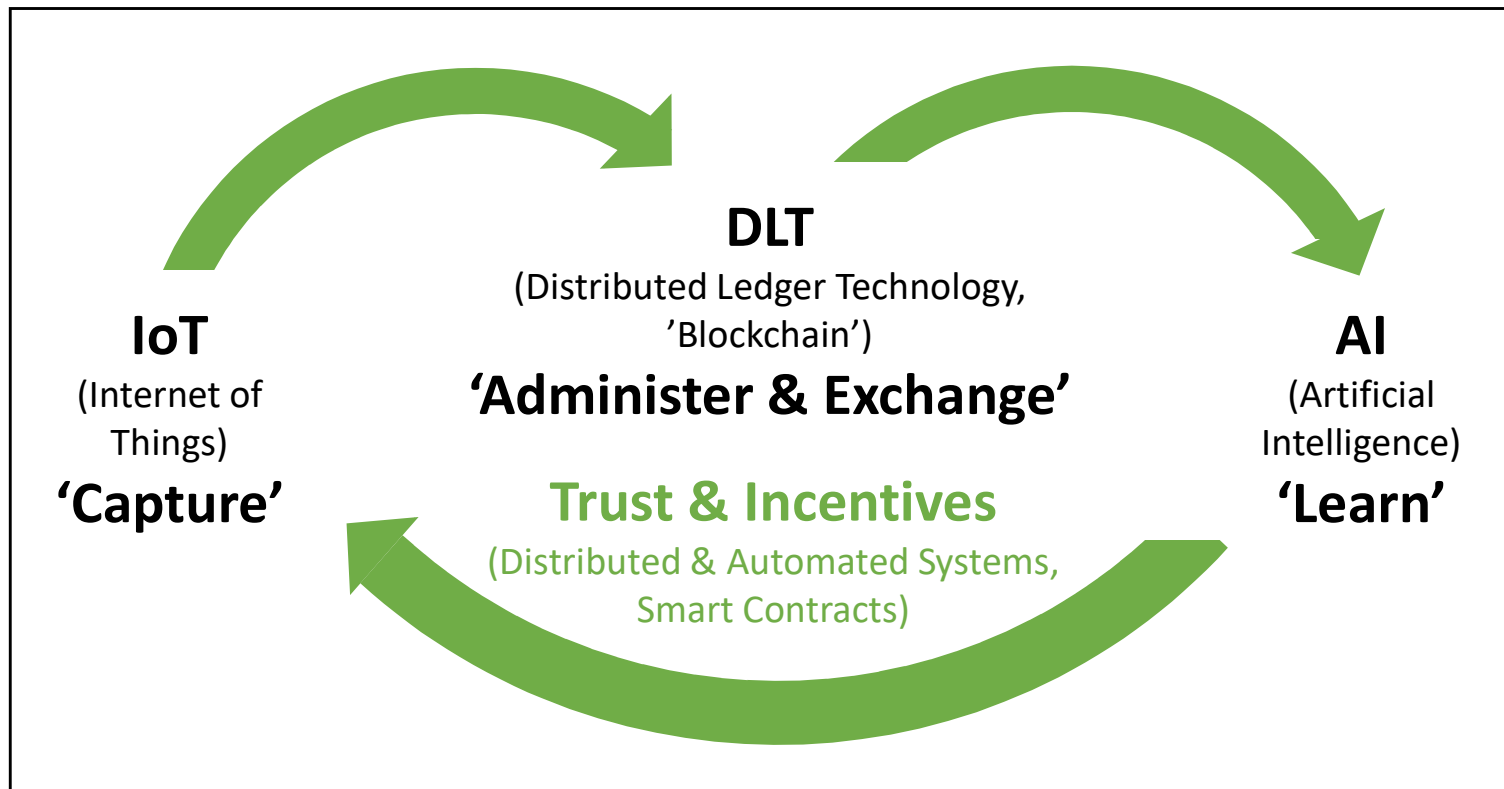
4th

Cyber Physical
Systems,
networks, AI



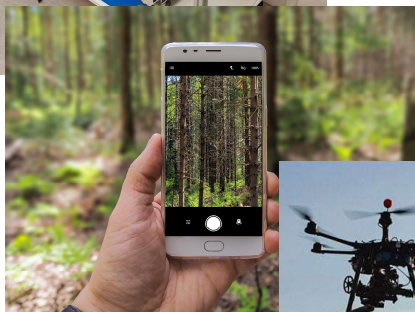
Note: Technological alone is not enough

‘Disruptive Troika’ – But Focus on Solution, not Tech
(many dimensions, uncertainties, idiosyncrasies)

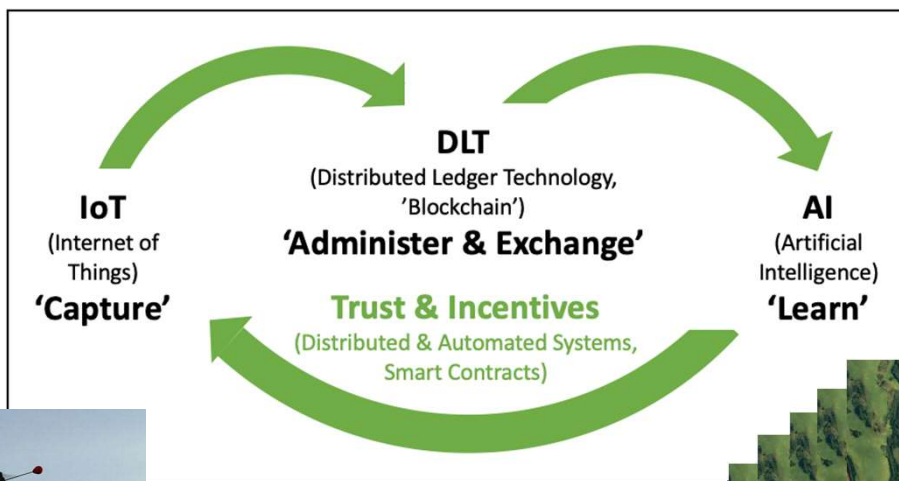


Use Case 1: Forests, GainForest

(4IR in land-use, specific drivers for exponential innovation, P1: AI)



- More
- Better
- Cheaper



- Ex-post to real-time
- Data-oceans, open platform
- Open analysis, competition

- Countries (key as authoritative)
- Stakeholders in the value chain
- Investors, Donors



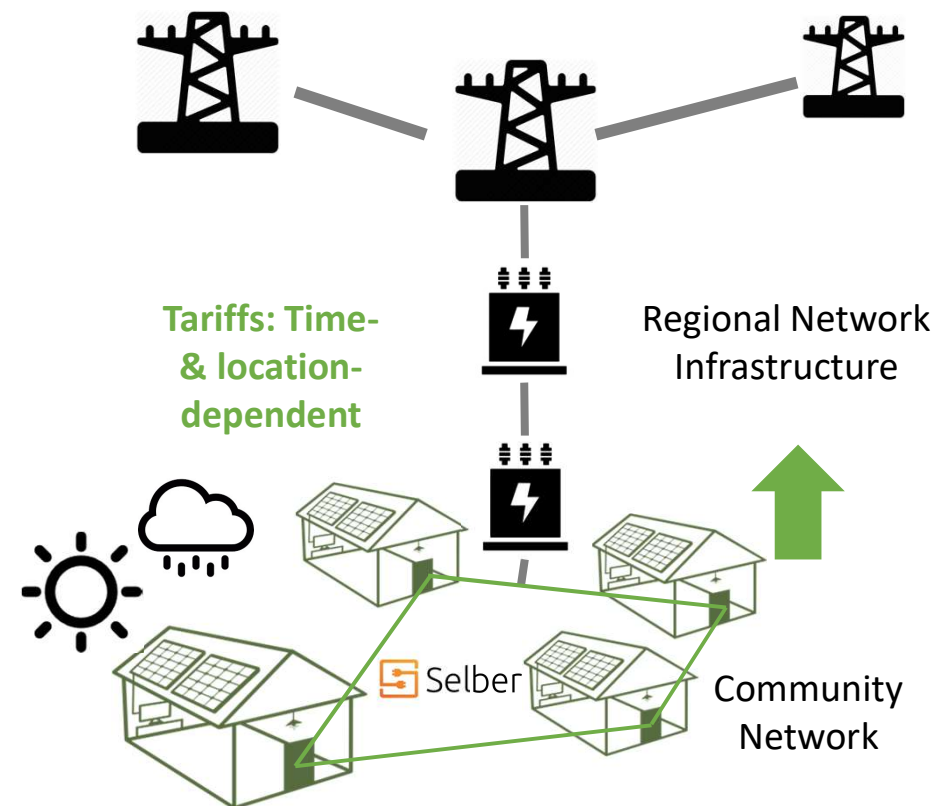
[Pilot Project, Chile](#)

Use Case 2: Energy, Selber

(live with 40 households, key is regulation/incentivisation, P1: IoT/DLT)

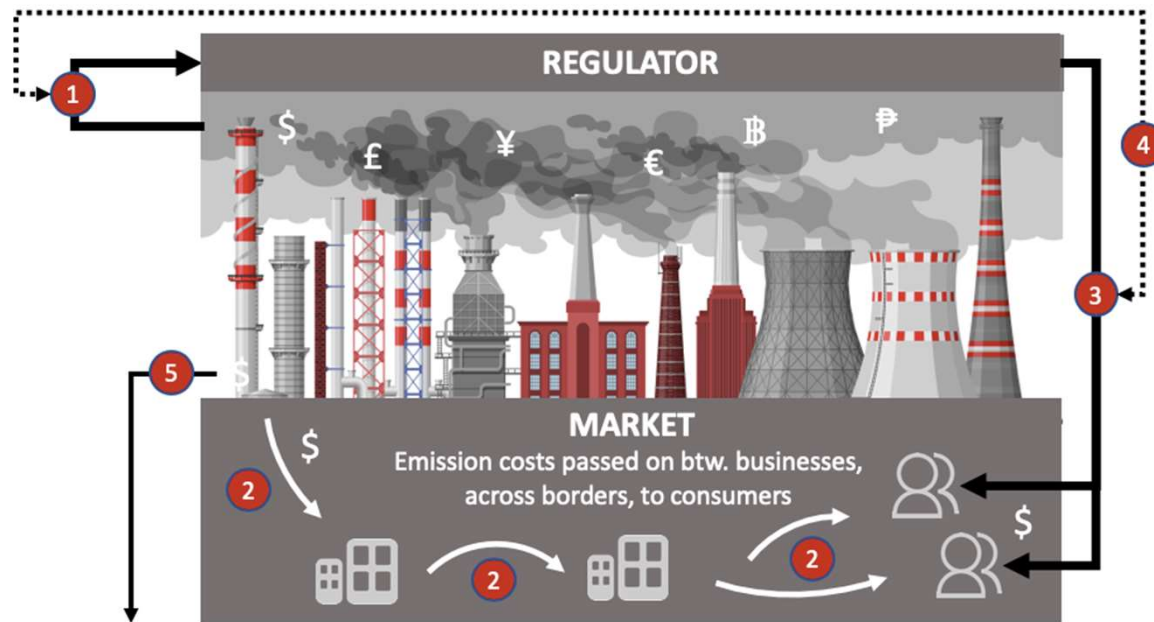


[Pilot Project, Walenstadt, SG](#)



Use Case 3: Climate Dividend

(2018 Hack4Climate Challenge, key is regulation/marketing, P1: Low Tech)

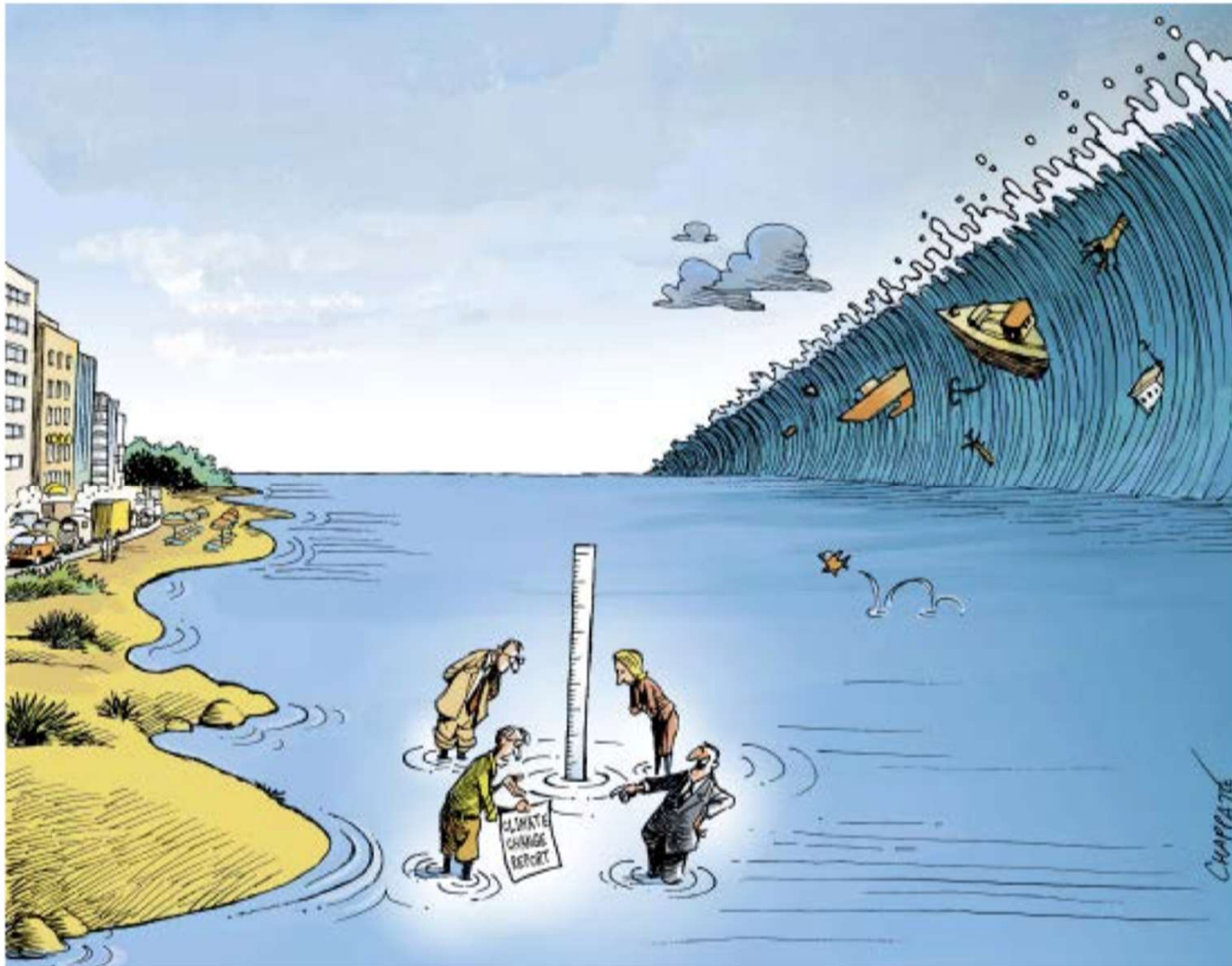


- Key innovation: Focus on non-ETS GHG pricing (enabled by technology)
- DLT - for trust & payment (monthly)
- Tech enabling new policy effort (nationally & internationally, and across ;-)

[Climate Dividend Whitepaper](#)

Conclusion: There will be Change (Innovation/Rebellion), Let's Focus!





nick.beglinger@cleantech21.org
[@NickBeglinger](https://twitter.com/NickBeglinger)