

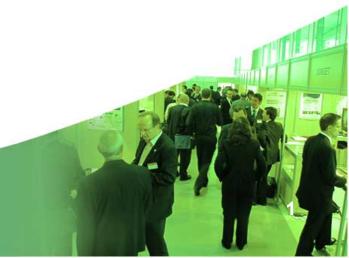


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Decentralised roaming

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Decentralised roaming



- Direct internet connectivity from each and every edge network (or base station)
 - No more routing through home networks
- Decentralised audit trail for accounting
 - E.g. based on Distributed Ledger Tech
- Viable business model for micro operators
 - Open business platforms with DLT



Aalto University



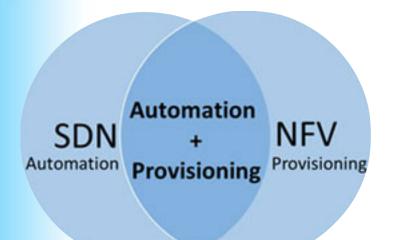
- #1 Engineering, Business, & Art Uni in Finland
- Within top 1% in Shanghai ARWU-list
- #14 in CWTS Leiden in industry collaboration

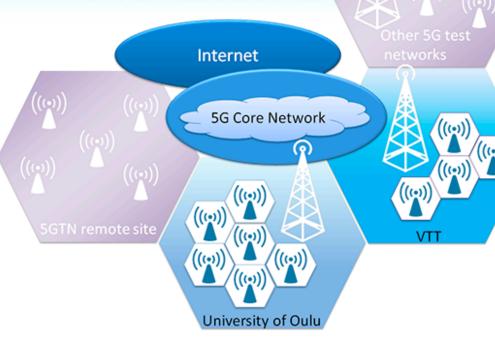
- Dept. of Communications and Networking
 - largest unit in Finland in the area
 - multi-disciplinary
 - technology, business, theory human aspects, ...

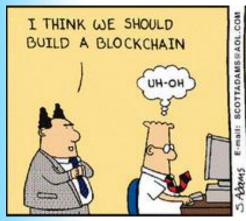




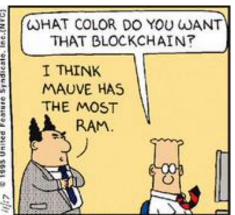
Why and why now?













Tentative approach



- Create an open "operator blockchain"
 - Apply so-called smart contracts to model operators and subscribers
 - Anyone can become an "operator"
 - Pay a pledge in cryptocurrency
 - Credibility through cryptographically proven visiting
 - An operator without any visitors does not really "exist," nobody cares



Partners



Only an initial idea, no consortium yet

- What kind of partners are needed:
 - Telecom vendor(s)
 - Telecom operator(s)
 - Preferably also a forthcoming microoperator, e.g. industrial manufacturer
 - Also expertise in regulation, juridical aspects, and privacy



Contact Info



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