

UiO Department of Technology Systems
University of Oslo

2nd Edition of Tanzania Community Networks School of Internet Governance (TZCNSIG 2021)

An integrated Approach for School Connectivity



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Next Generation Internet as basis for empowerment and trust

1973: Internet to Kjeller/Europe

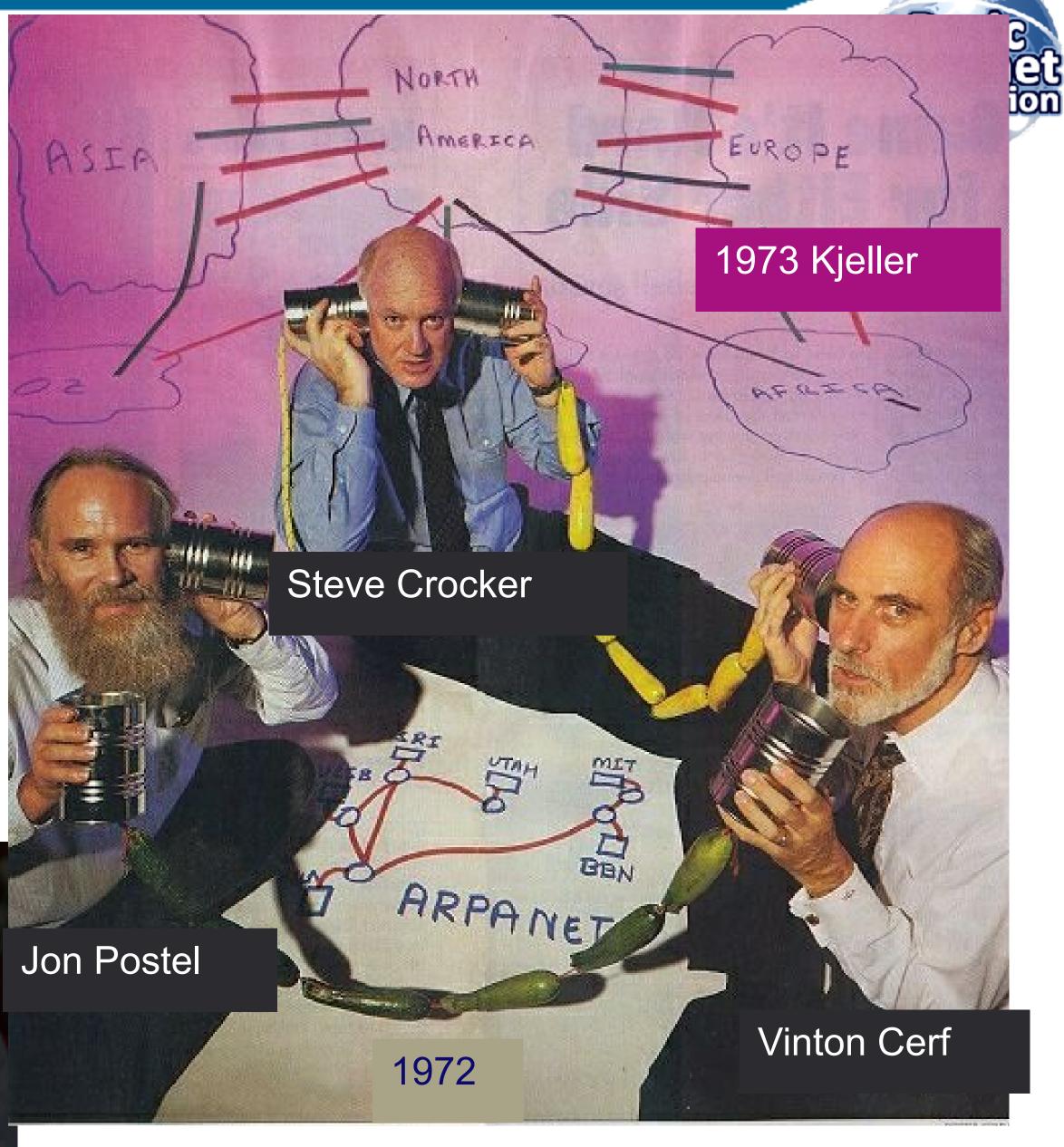
1994: Opera Software

Norge Norway

Kjeller

2014: Basic Internet Foundation

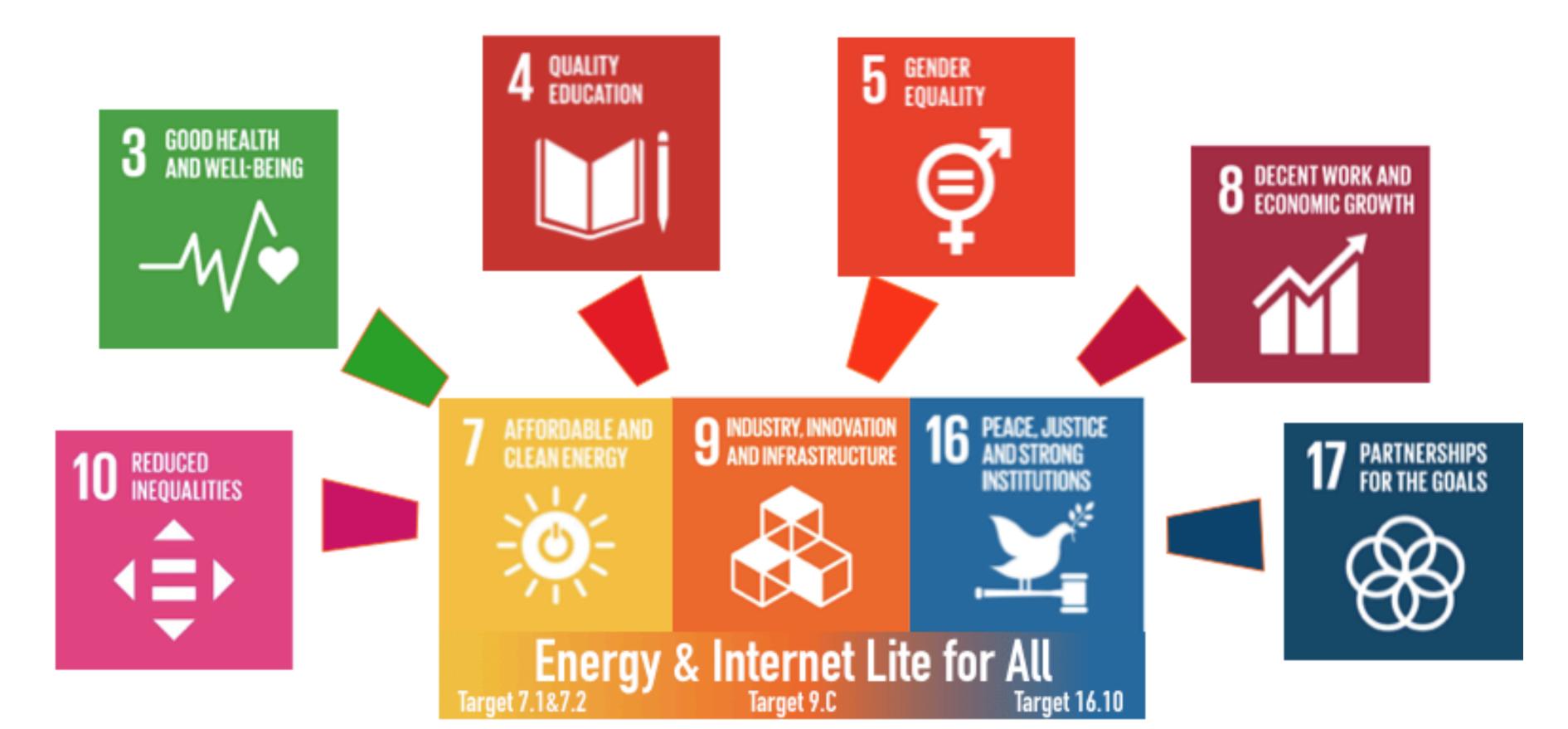




Source: http://www.michaelkaul.de/History/history.html



"Our vision is to improve the life of **every human** through **free access to information** on the Internet...."





Meaningful connectivity tailored towards the needs & capabilities

Self-actualisation Entertainment

Value creation
Trust & confidence



InfoSpot 10 GB/month <20 USD/month Explore, Affection Opportunities



Narrowband ~5 Mbps 58 USD/month

Empowerment, Work Digital Transformation



Community network 50-100 Mbps 200-500 USD/month

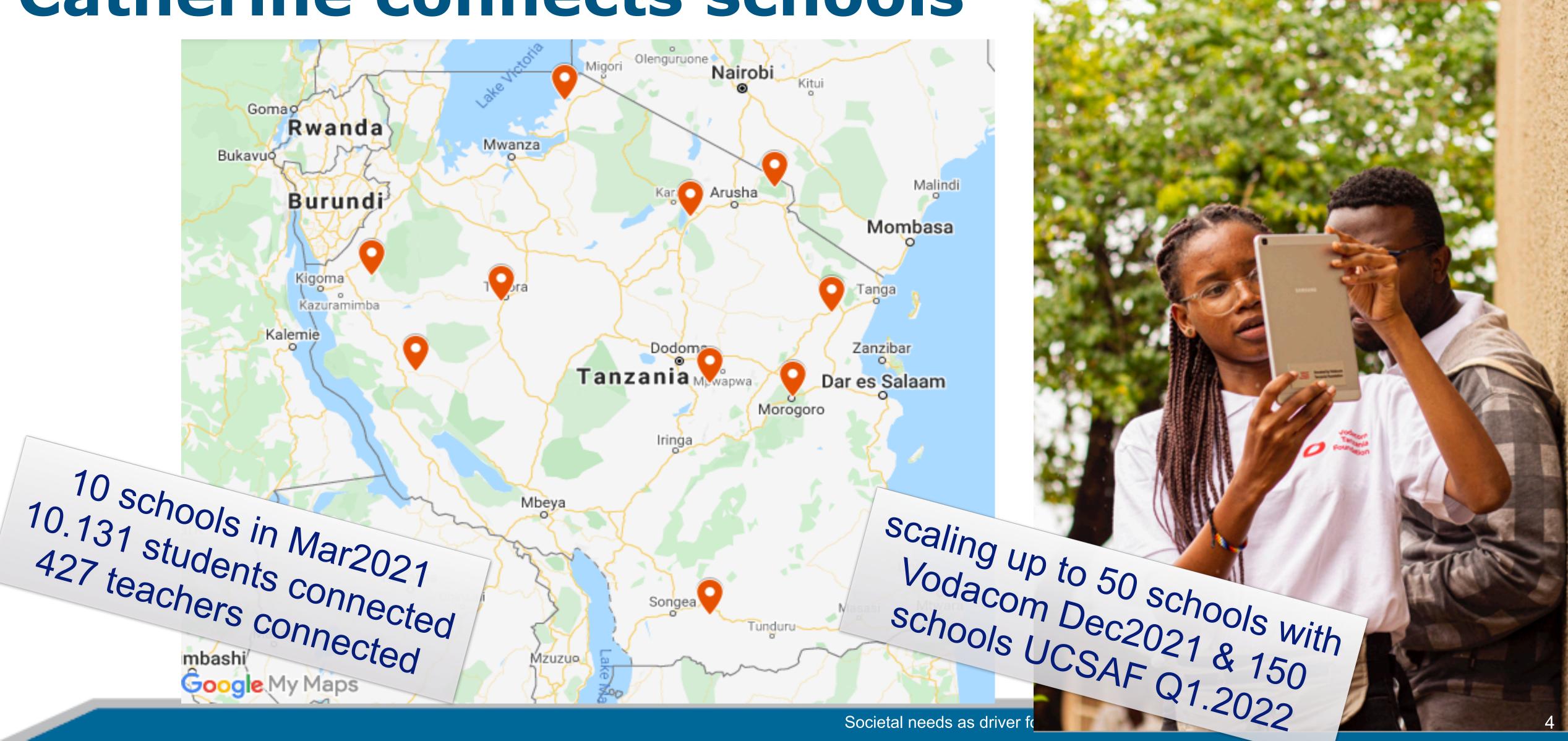


Mobile Broadband 20 USD/month/person

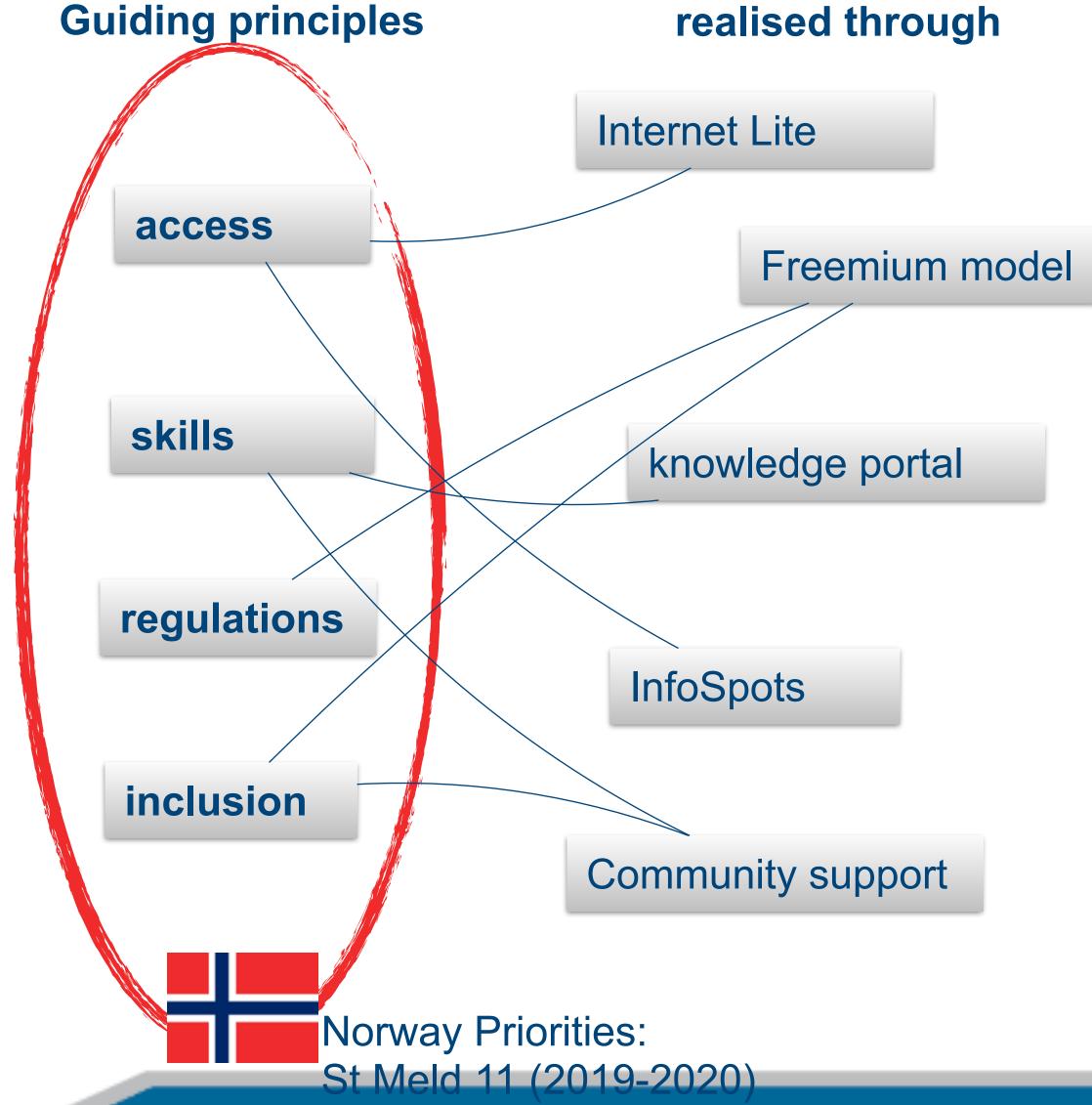
Reference Tanzania

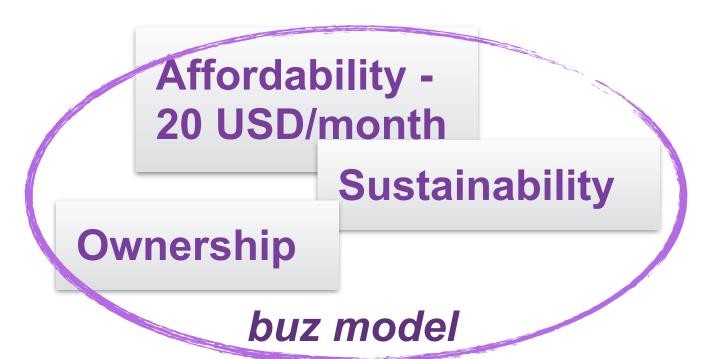


Catherine connects schools









EduStack
value creation
edu, health, agri, ...

local services

Regional Competence
Centres (RCCs)

Digital Friends

Community networks

local partners



in cooperation with



Example of partnerships communities in 12 countries in Africa









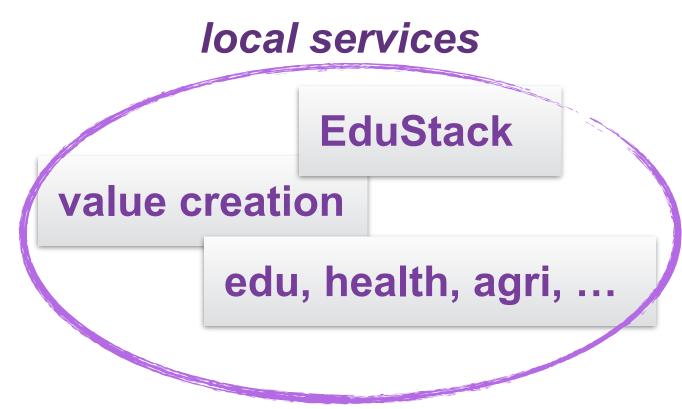
TTCL

Corporation



Safaricom













local partners























12 countries in Africa







School Connectivity Examples of Activities

- → Tanzania feasibility of affordable OPEX
 - 10 schools (Mar2021) \rightarrow 50 (Dec2021) \rightarrow 200 (Q1.2022) \rightarrow national framework
 - UCSAF, MCIT, Mobile Operators (Vodacom, TTCL, Airtel, Halotel), Shuledirect
- → Kenya private sector collaboration
- 50 schools Oct2021 → National Framework
- harmonisation with UNICEF and national strategy
- → Ethiopia support of MoE initiative
- pilot 1 school → proposal to BMF (phase 1) national framework 50 schools
- → Rwanda harmonisation with UNICEF RW
 - Focus on affordability, reduce from 225 USD/month
- → Sierra Leon preparing pilot in the North
 - 3 schools \rightarrow 60 (Q2.2022) \rightarrow 350 (Q1.2023)
- → South Africa social justice & digital empowerment
 - discussions with THUMA Foundation and Western Cape University







Summary Providing Internet for All

- → Free access to Information (Internet Lite)
 - 1) Access one Information Spot per village
 - 2) Skills Health, Education, Agriculture
 - 3) Regulations Freemium model
 - 4) Inclusion Free access for all #LeaveNoOneBehind
- → Internet Lite & Freemium model for access
 - free access to National Knowledge Portal for all
 - premium access to broadband
 - sustainable solution

