



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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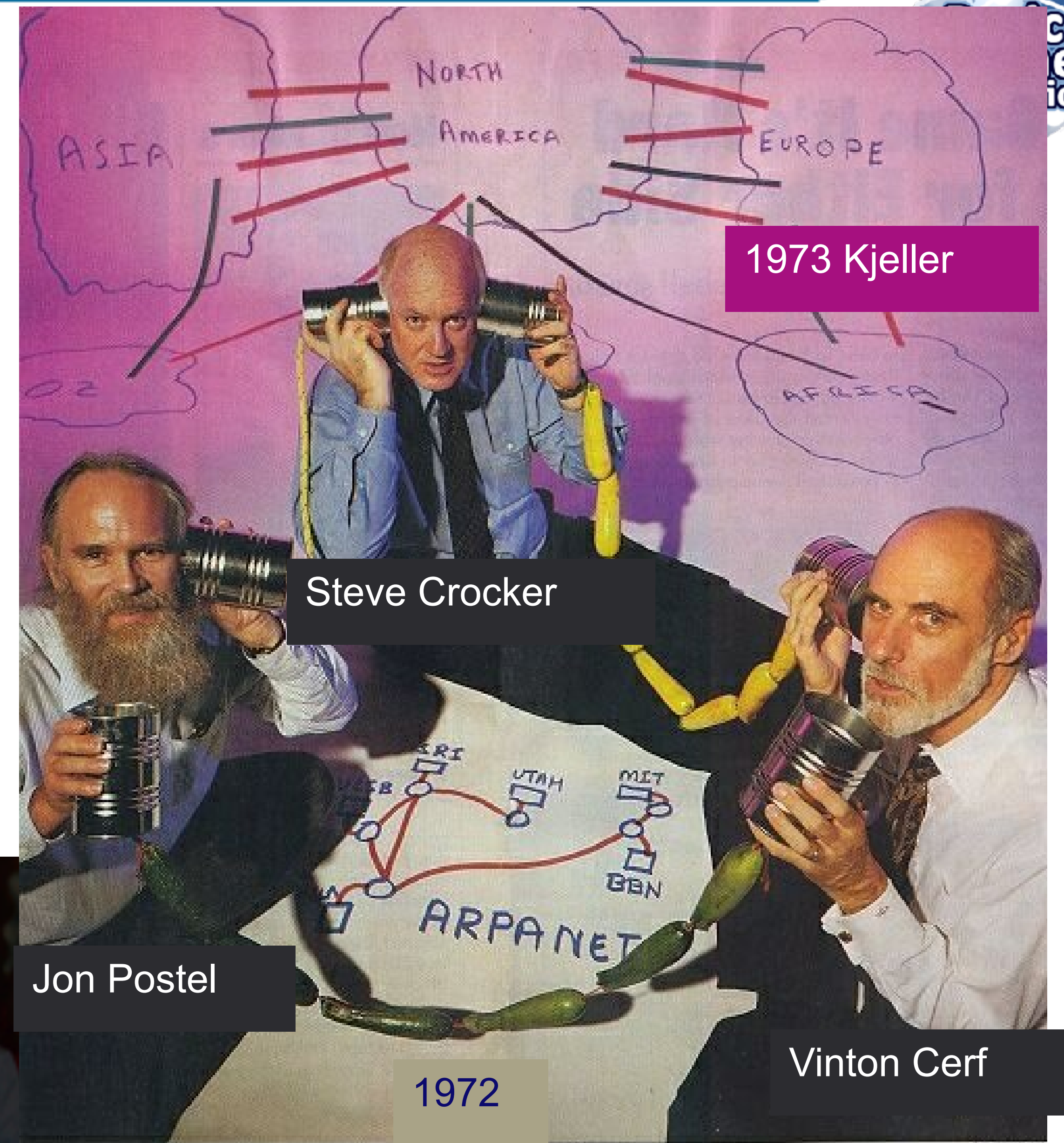
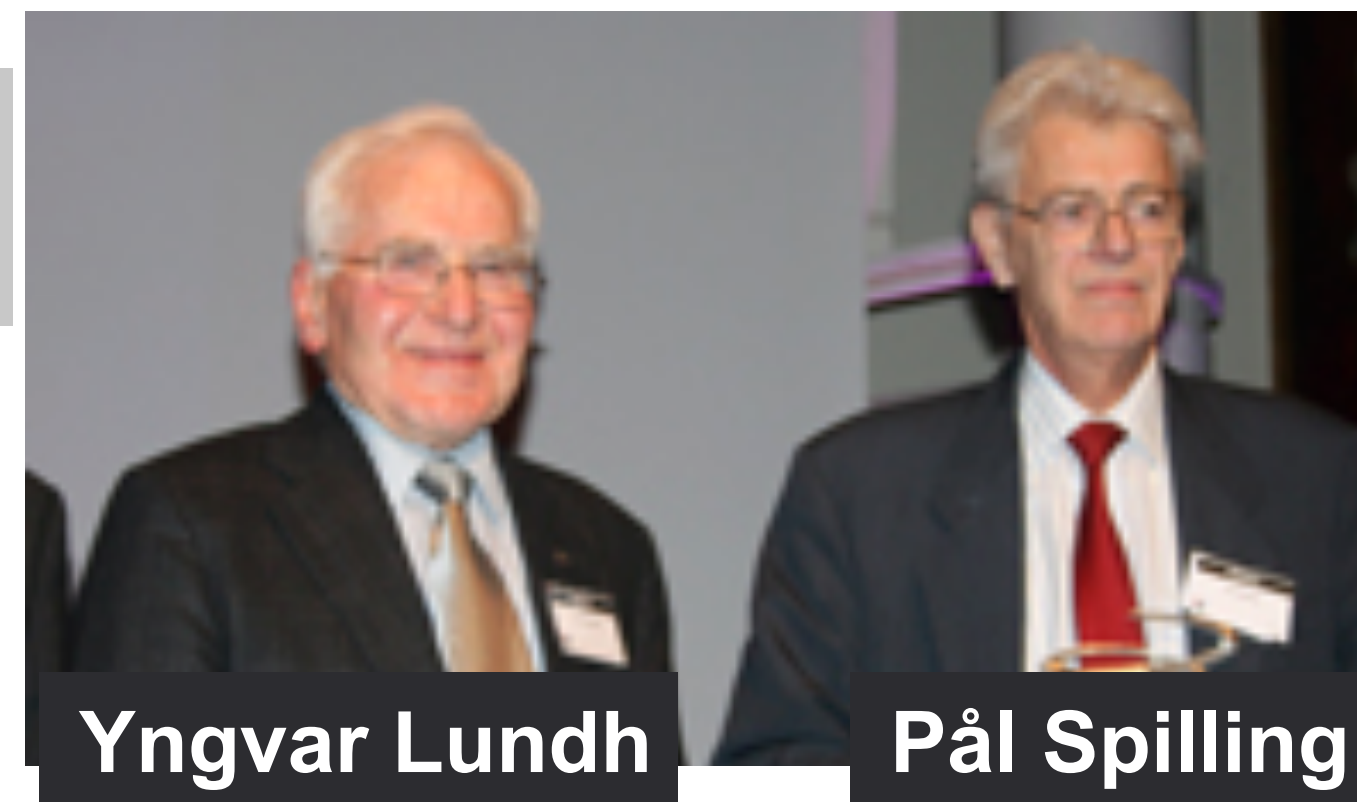
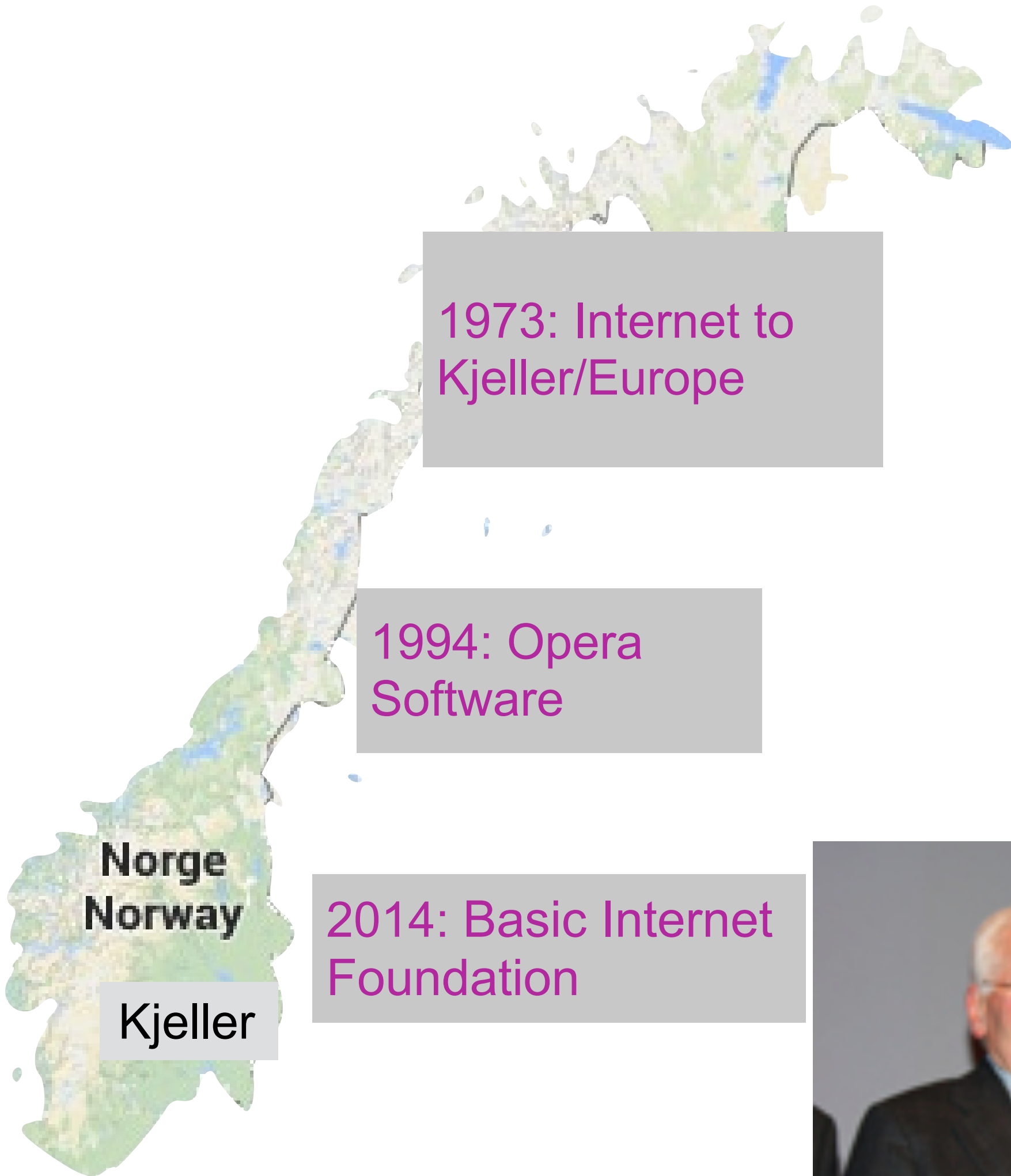
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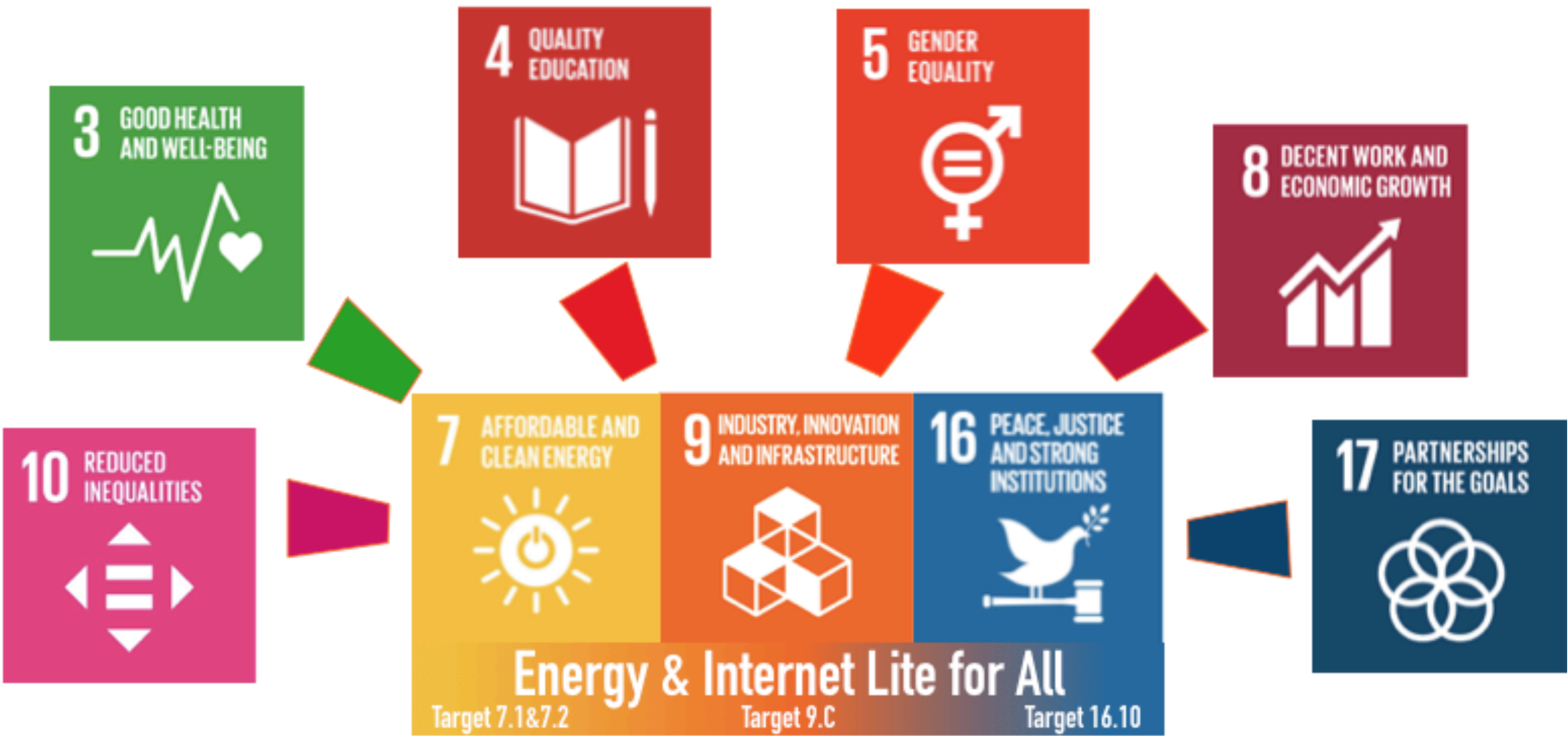


Next Generation Internet as basis for empowerment and trust



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....”



Reference Tanzania

Catherine connects schools



10 schools in Mar2021
10.131 students connected
427 teachers connected

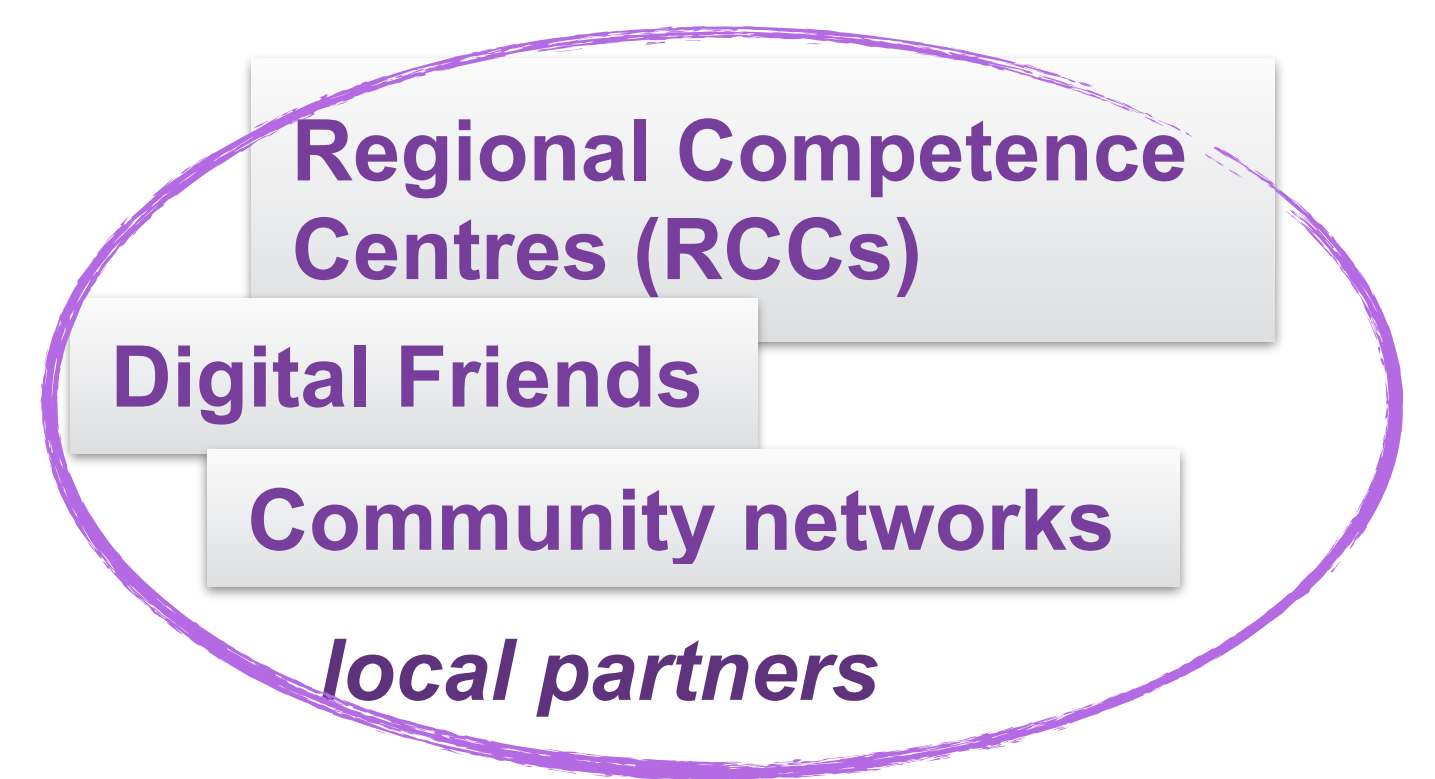
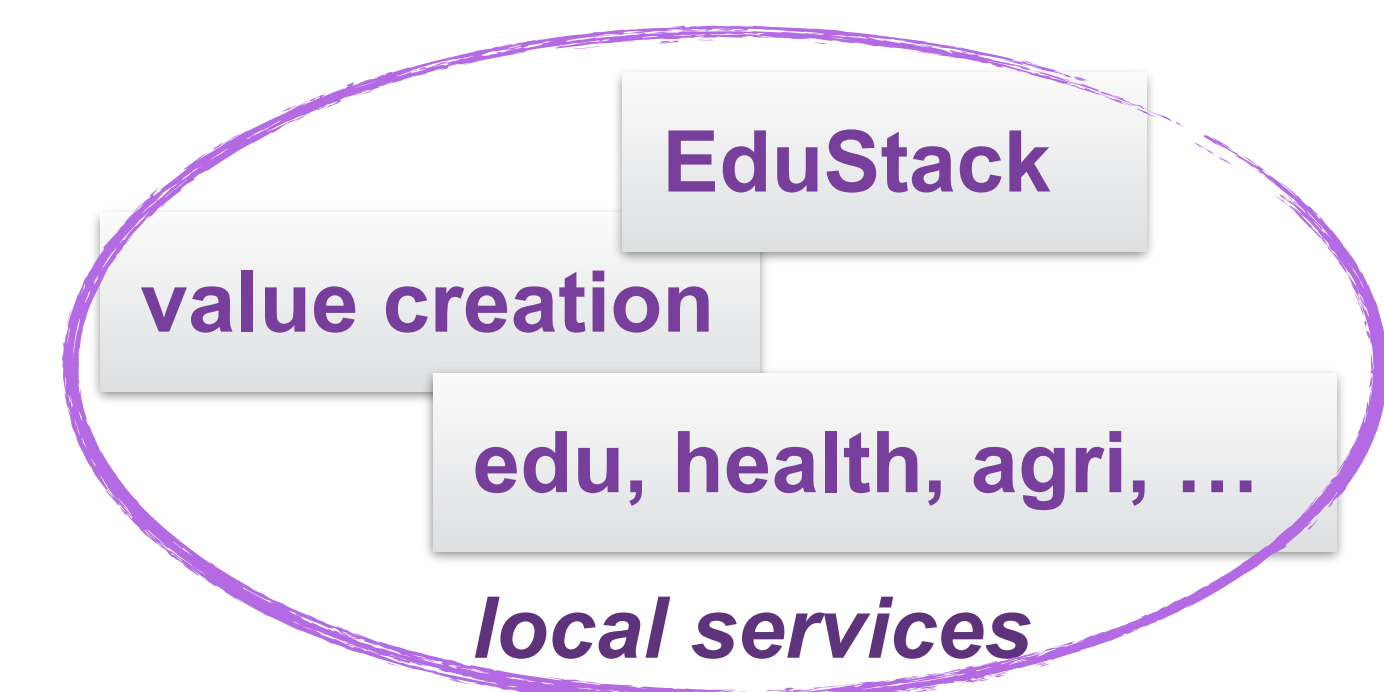
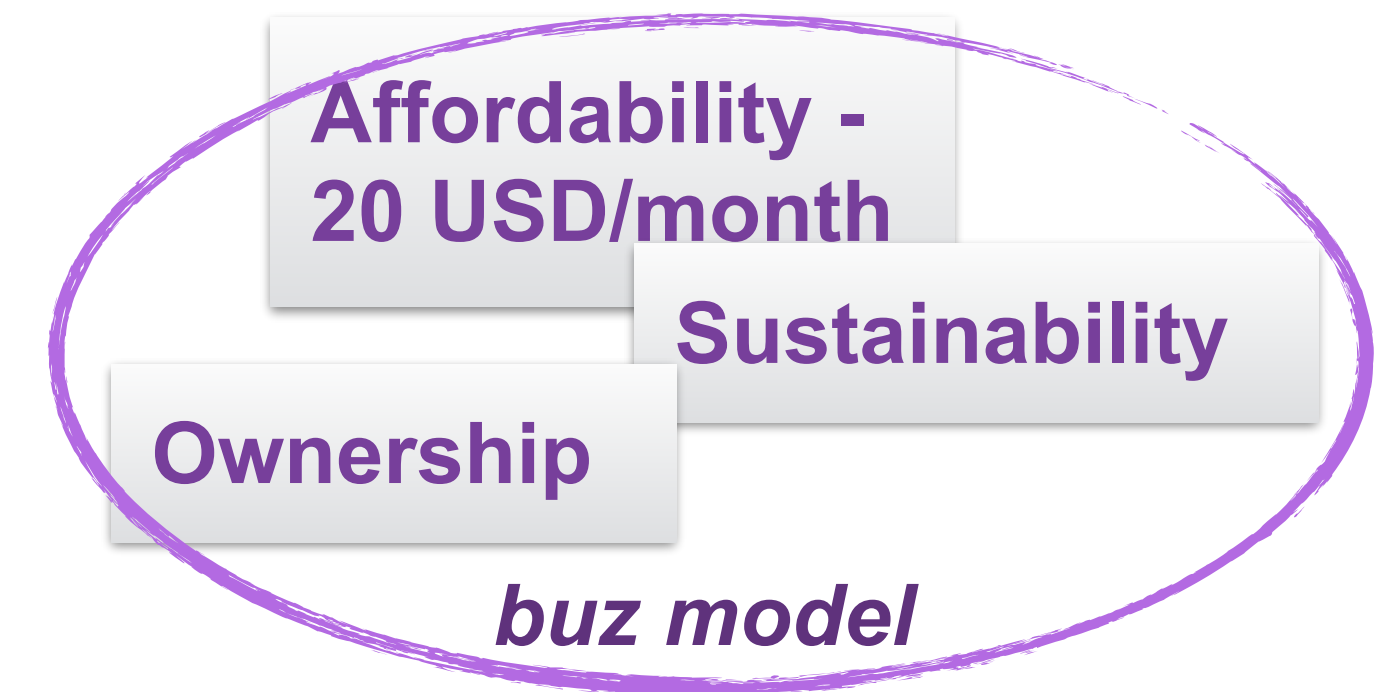
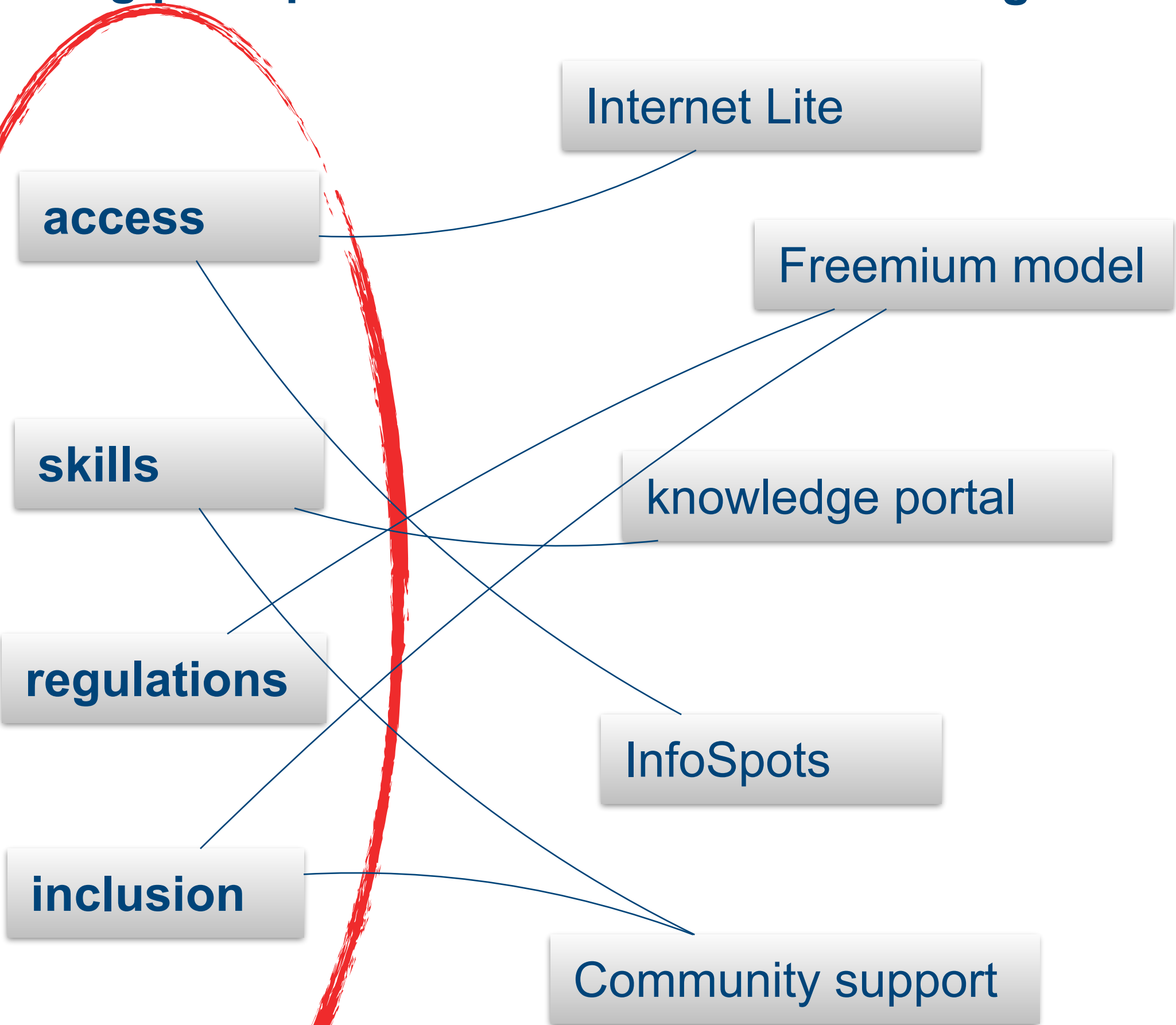
scaling up to 50 schools with
Vodacom Dec2021 & 150
schools UCSAF Q1.2022



Integrated Approach

Guiding principles

realised through



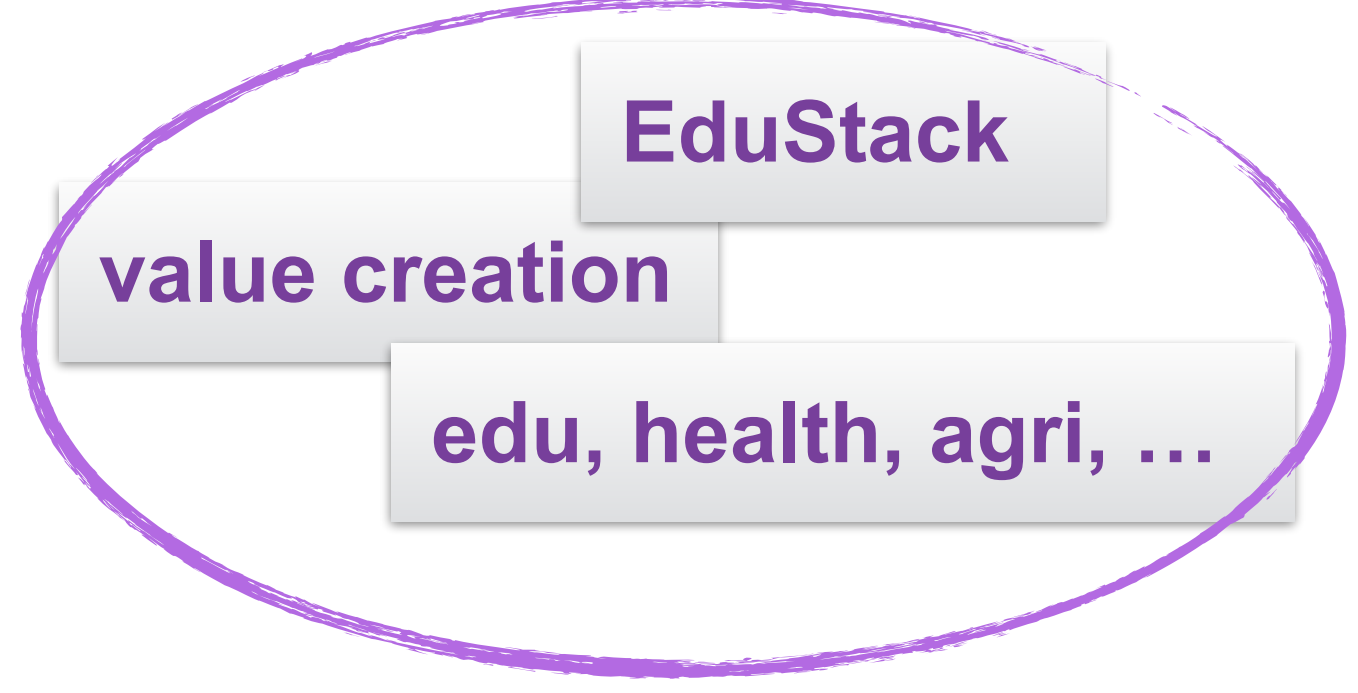

Norway Priorities:
 St Meld 11 (2019-2020)

Example of partnerships communities in 12 countries in Africa

buz model



local services



local partners



UCSAF







12 countries in Africa



Ethiopia:
Koye Secondary School



Tanzania:
scale up to
200 schools

School Connectivity

Examples of Activities

- ➔ **Tanzania** - feasibility of affordable OPEX
 - 10 schools (Mar2021) → 50 (Dec2021) → 200 (Q1.2022) → 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 → 60 (Q2.2022) → 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

+18 dB
>20 km

“Providing Internet to the basic of the pyramid isn't a question of affordability, but rather a question of sustainability”
Internet Governance Forum, Panel, WI

At least
one Information Spot
per village