

UiO : **Department of Technology Systems**
University of Oslo

Digital Cooperation and Diplomacy, 18Oct2021

An integrated Approach for School Connectivity

Josef Noll,

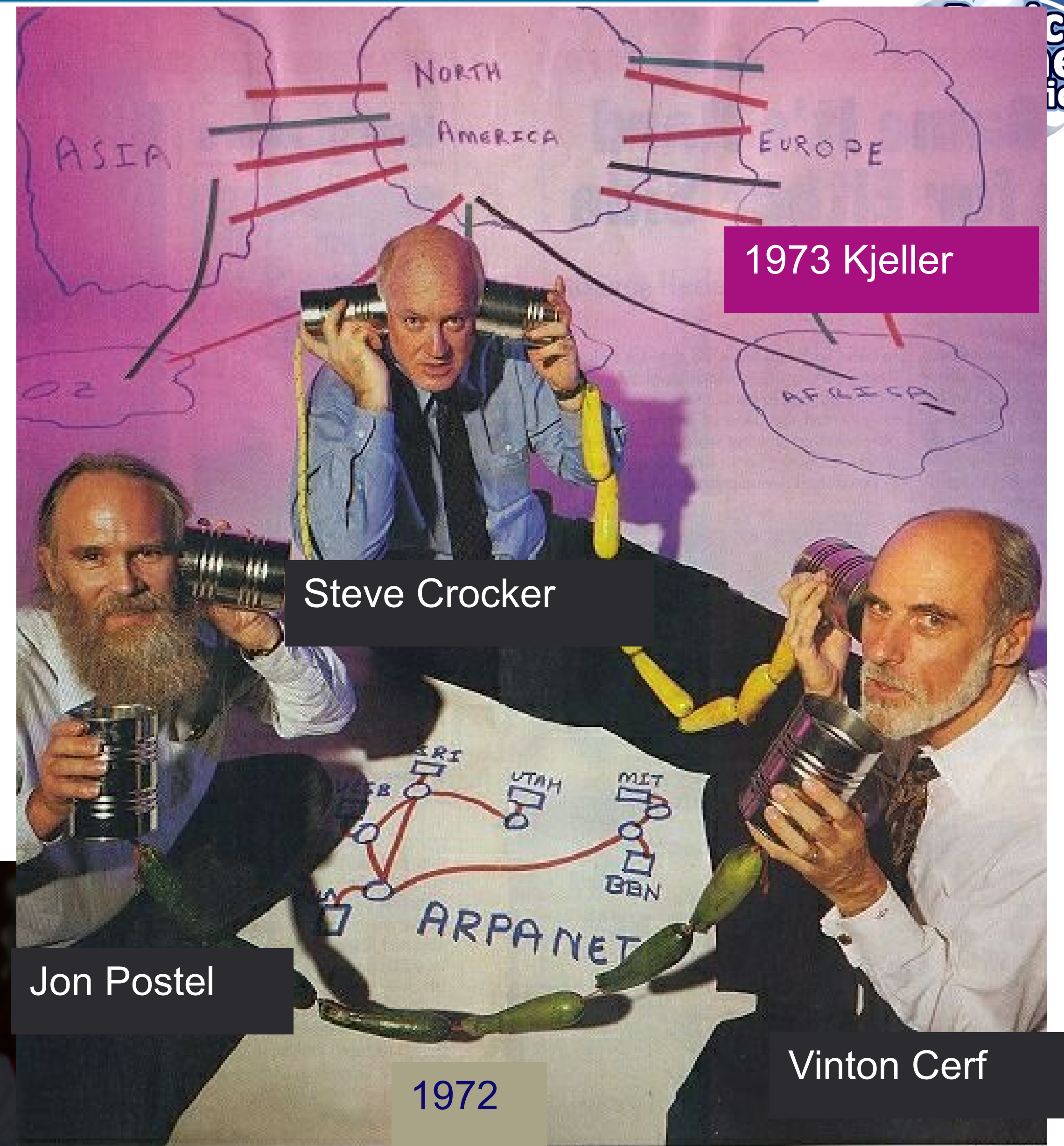
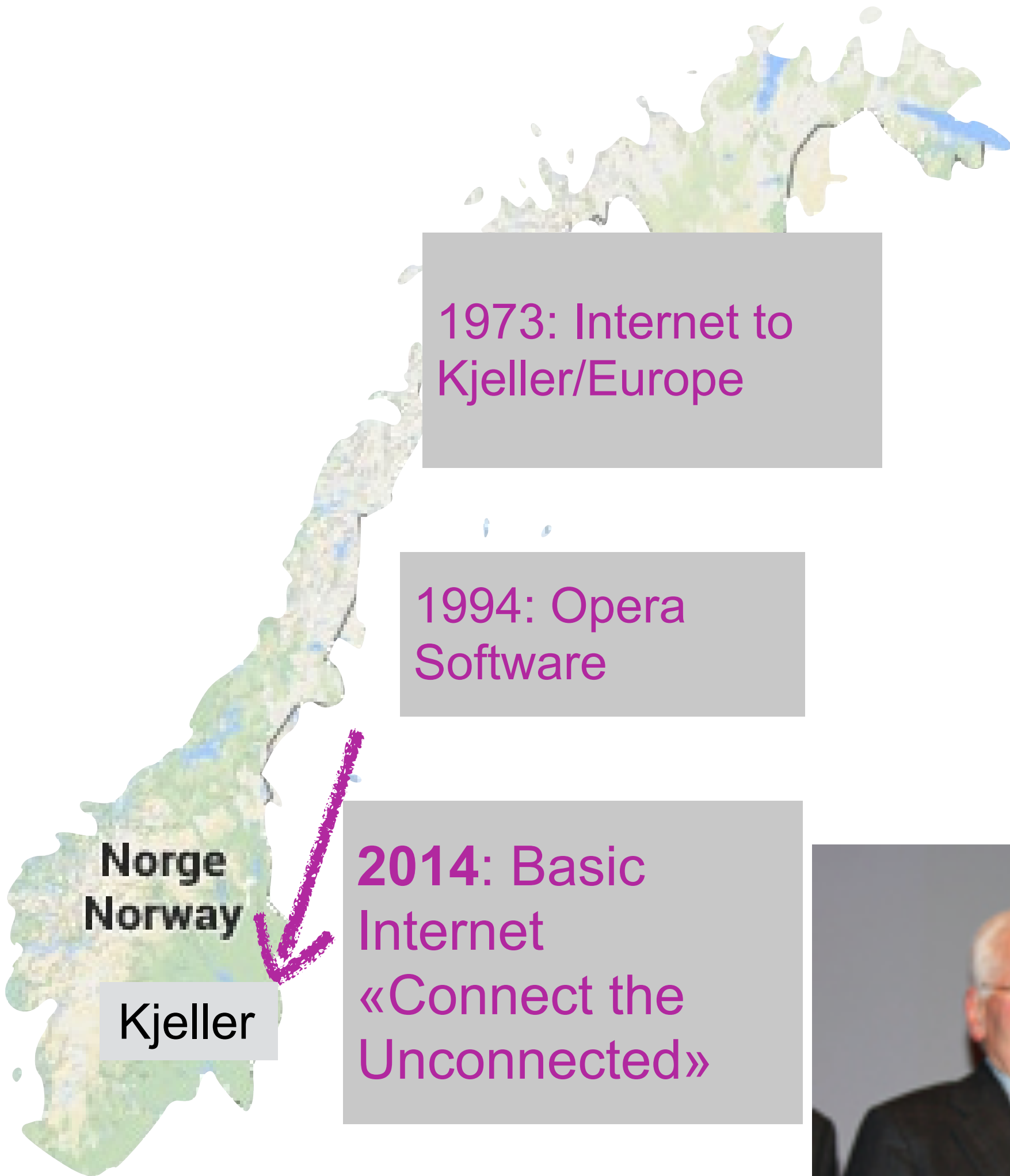
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Next Generation Internet as basis for empowerment and trust



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....”



School Connectivity

Examples of Activities

- ➔ **Tanzania** - feasibility of affordable OPEX
 - 10 schools (Mar2021) → 50 (Nov2021) → 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



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



Kenya: 50 schools in Sep/Oct 2021

- parallel to GIGIconnect first phase
- AHERI conference 3Nov2021

PRJ#	School identifier	contact	region	geo-location
1	Ukwala Boys Secondary School	Robert Otieno	Kisumu	55RR+F7 Luhano, Kenya
2	Siaya Township Secondary School	John Malamba	Siaya	378M+QM Siaya, Kenya

3	Ugenya High School	
4	Lwak Girls Secondary School	
5	Sifuyo Mixed Secondary School	
6	Nyambare Mixed Secondary School	
7	Segere Mixed Secondary School	
8	Kambare Mixed Secondary School	
9	Maranda High School	
10	Usenge Boys Secondary School	
11	Ng'iya Girls High School	
12	Nyambare Mixed Secondary School	
13	Chianda High School	
14	Got Osimbo Girls Secondary School	
15	Ndigwa Mixed Secondary School	
16	Ambira Boys High School	
17		
18		
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20	Sa	
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22	Ny	
23	Sir	



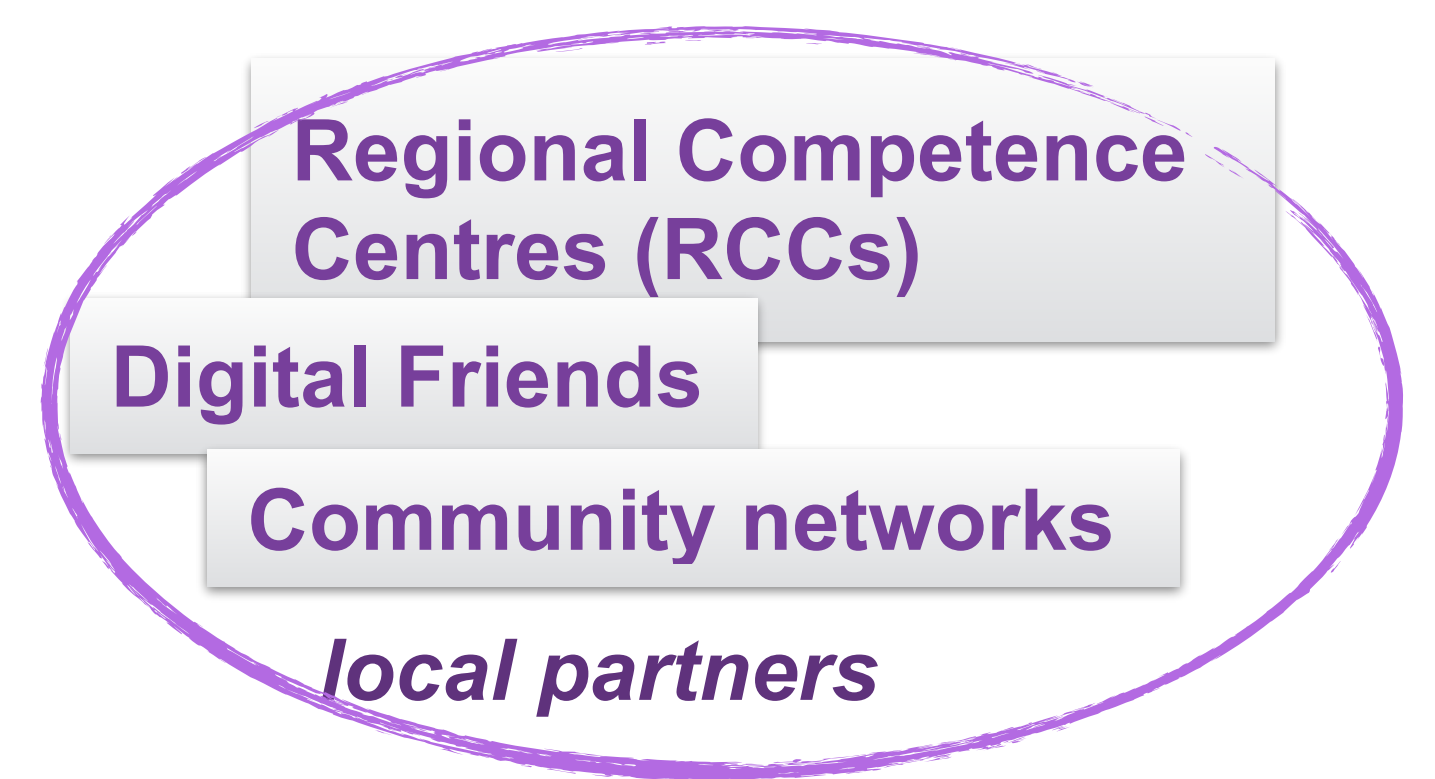
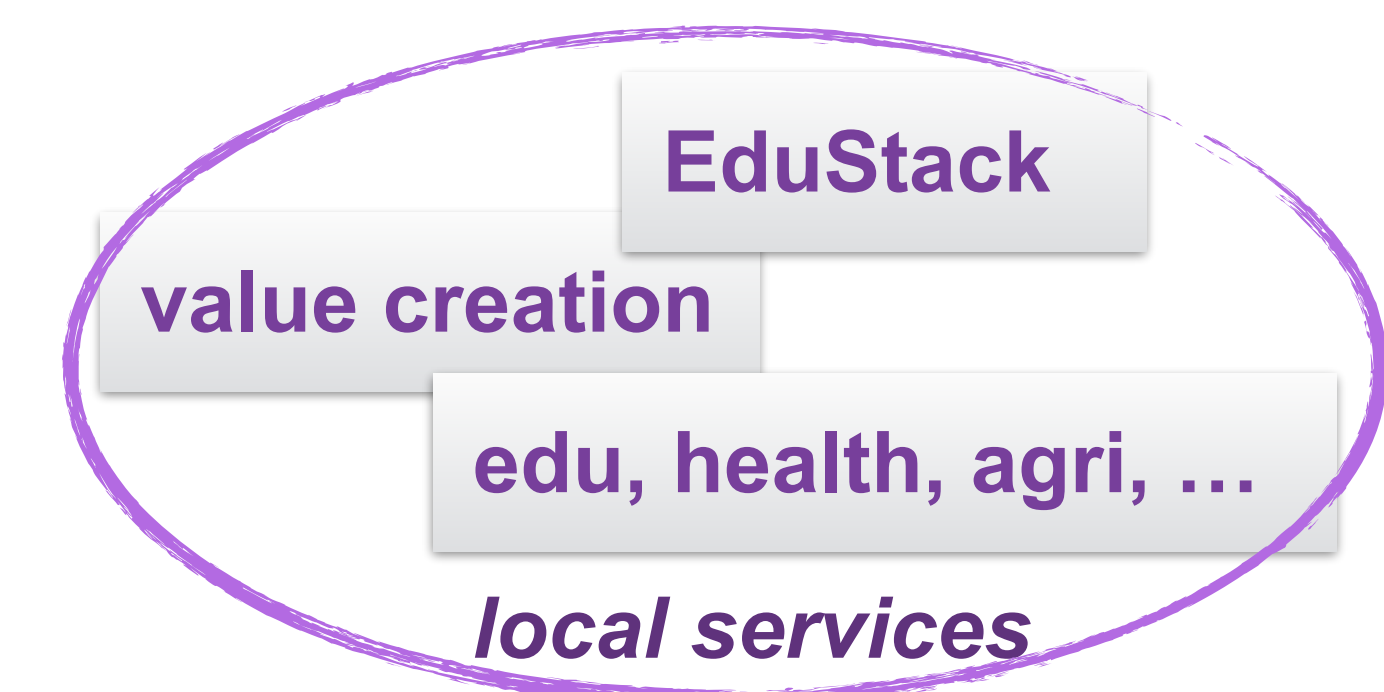
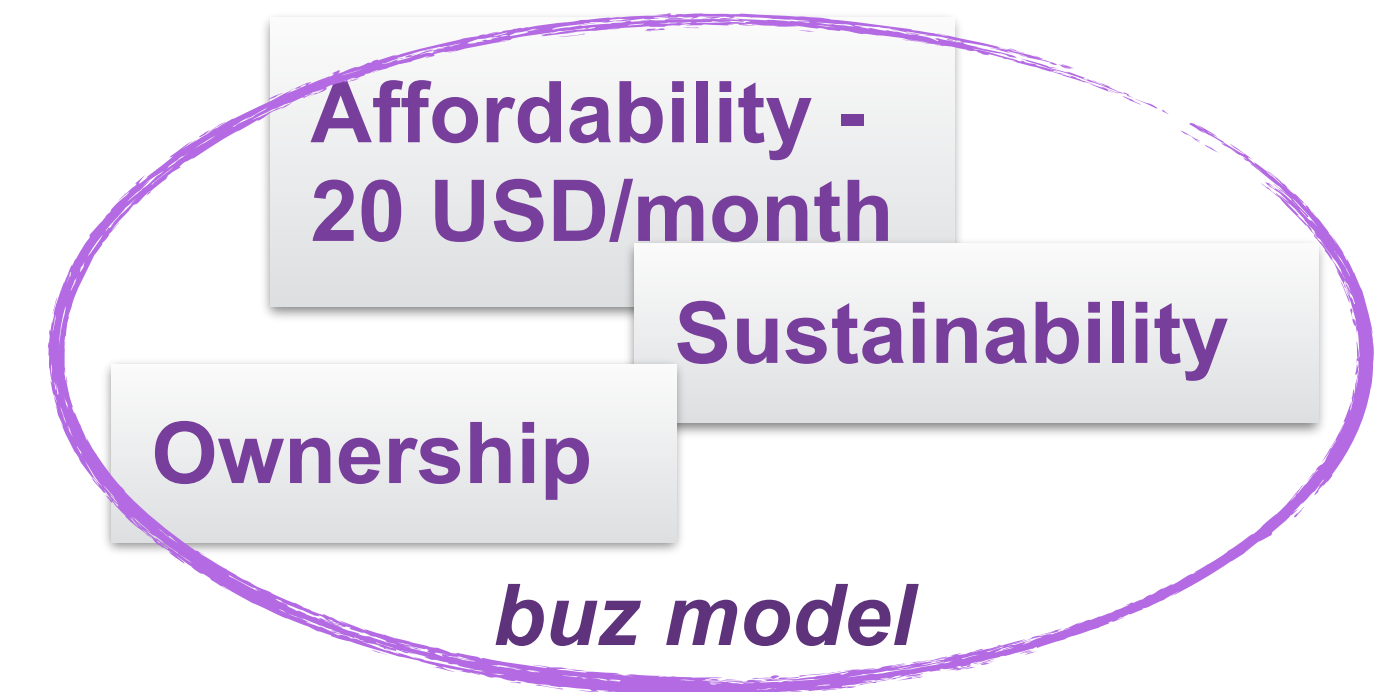
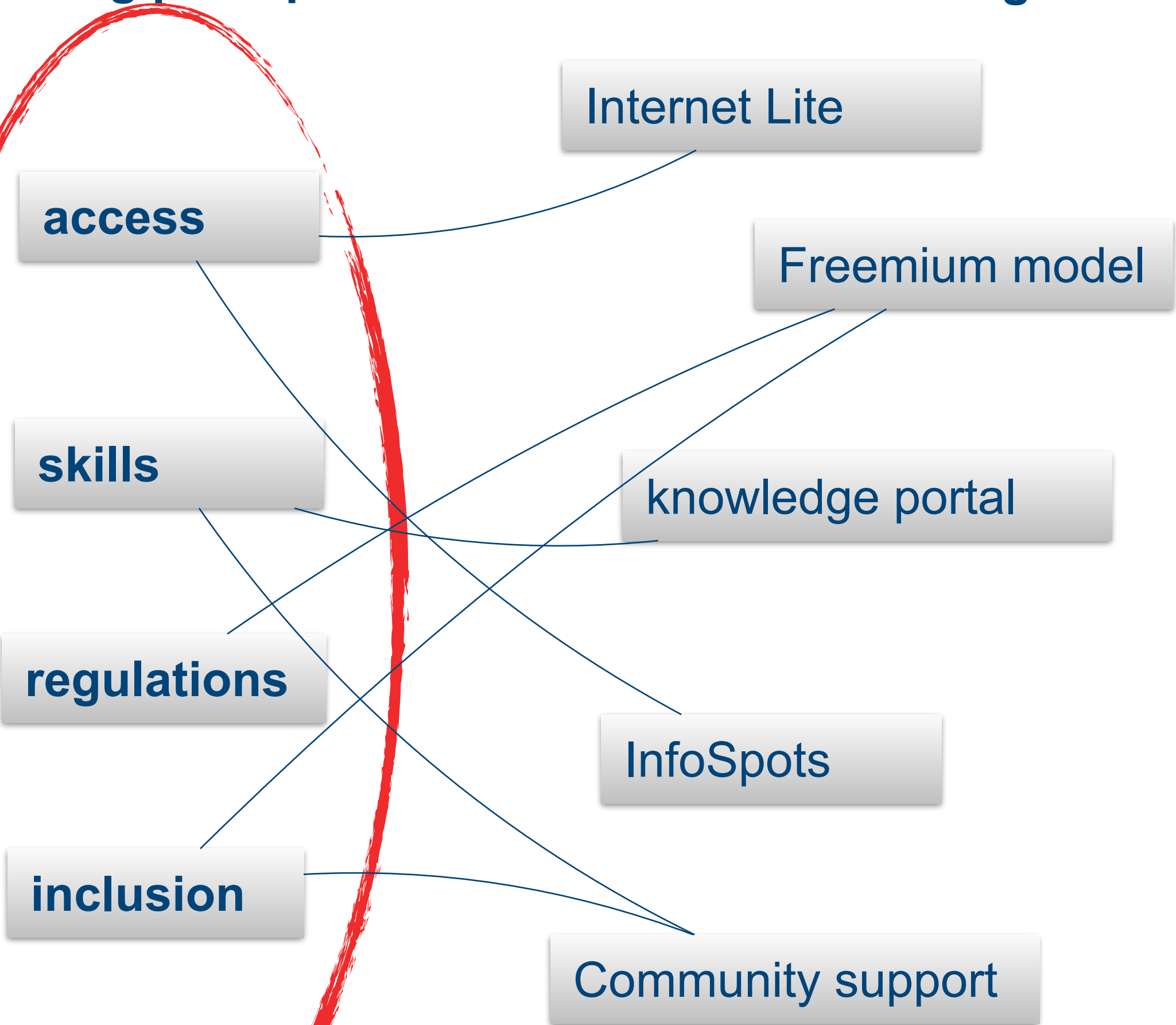
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Integrated Approach

Guiding principles

realised through



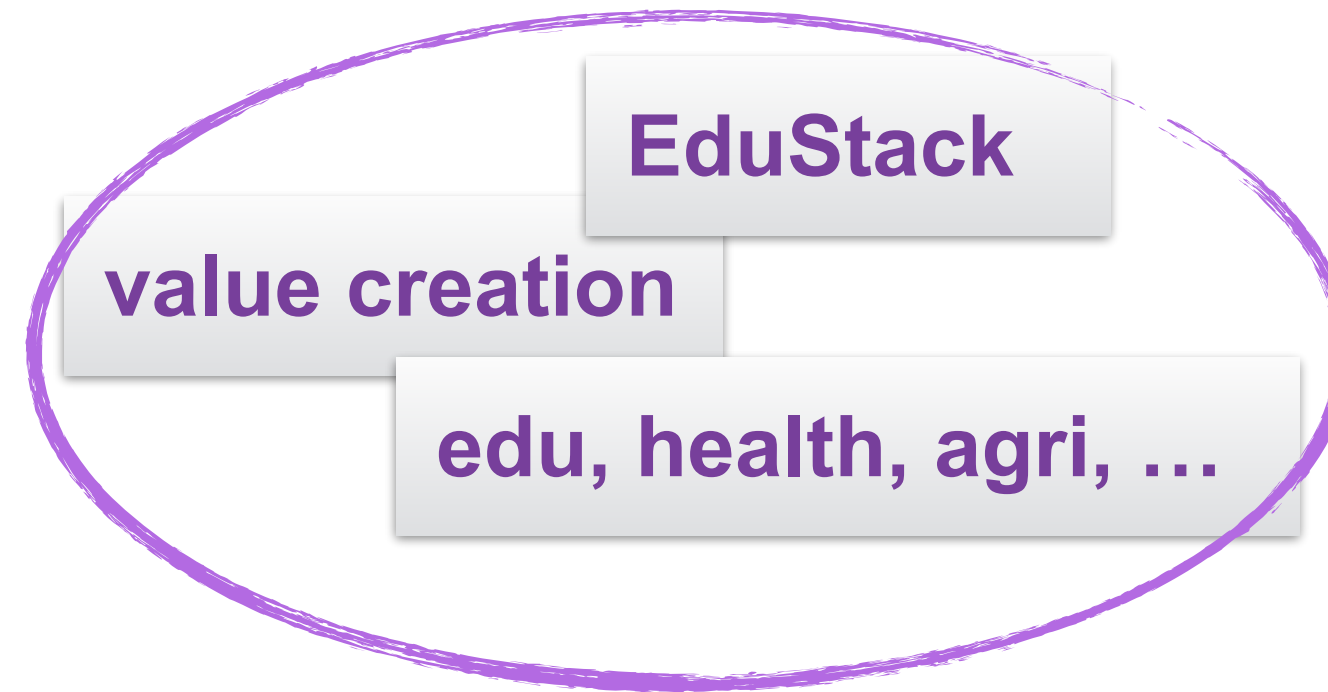

Norway Priorities:
St Meld 11 (2019-2020)

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

Outview: 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