

Steering Board ITS - 22Nov2022

Value of Basic Internet for ITS

-

“we help connecting the children of our world”

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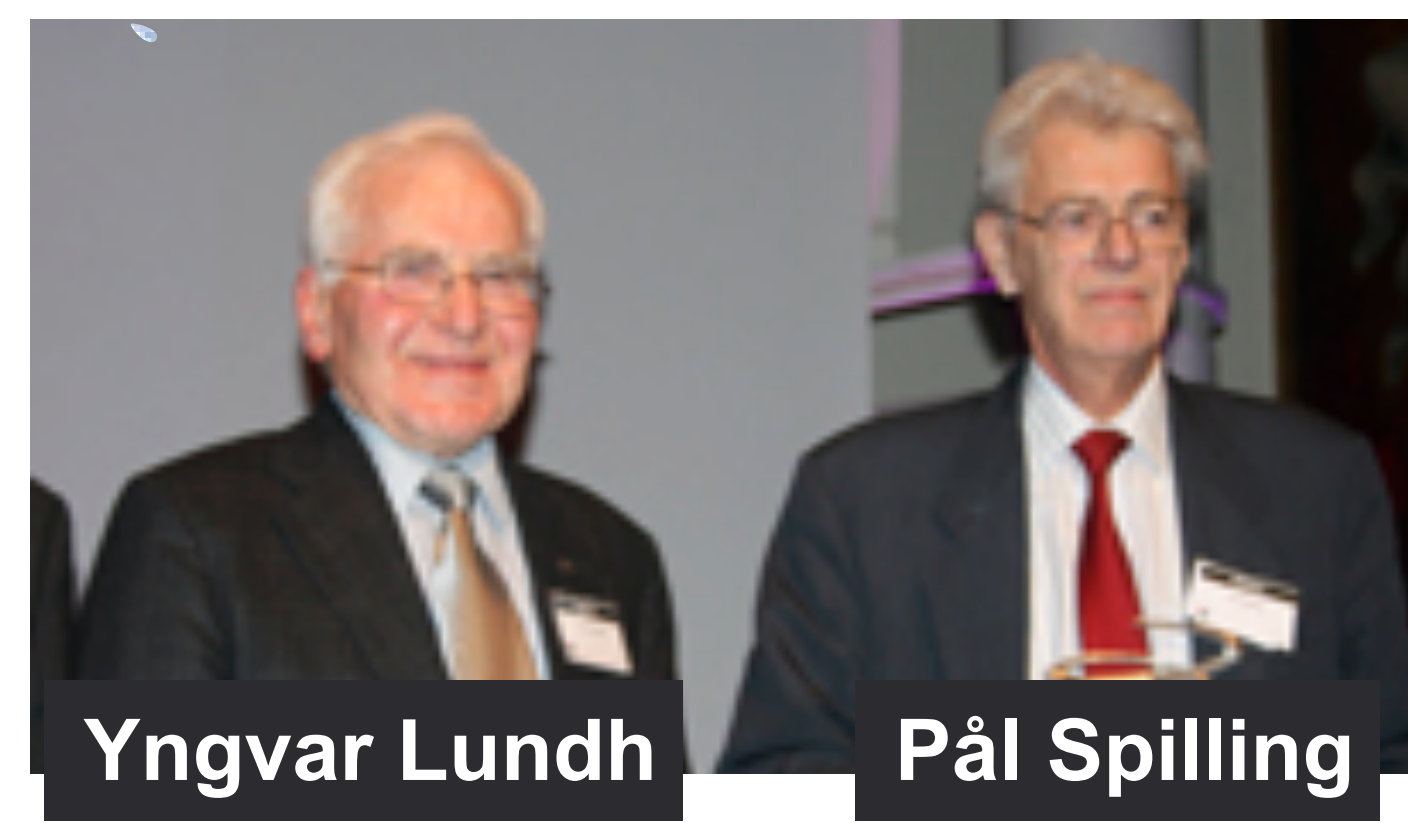
An inclusive Next Generation Internet



1973: Internet
to Kjeller/Europe

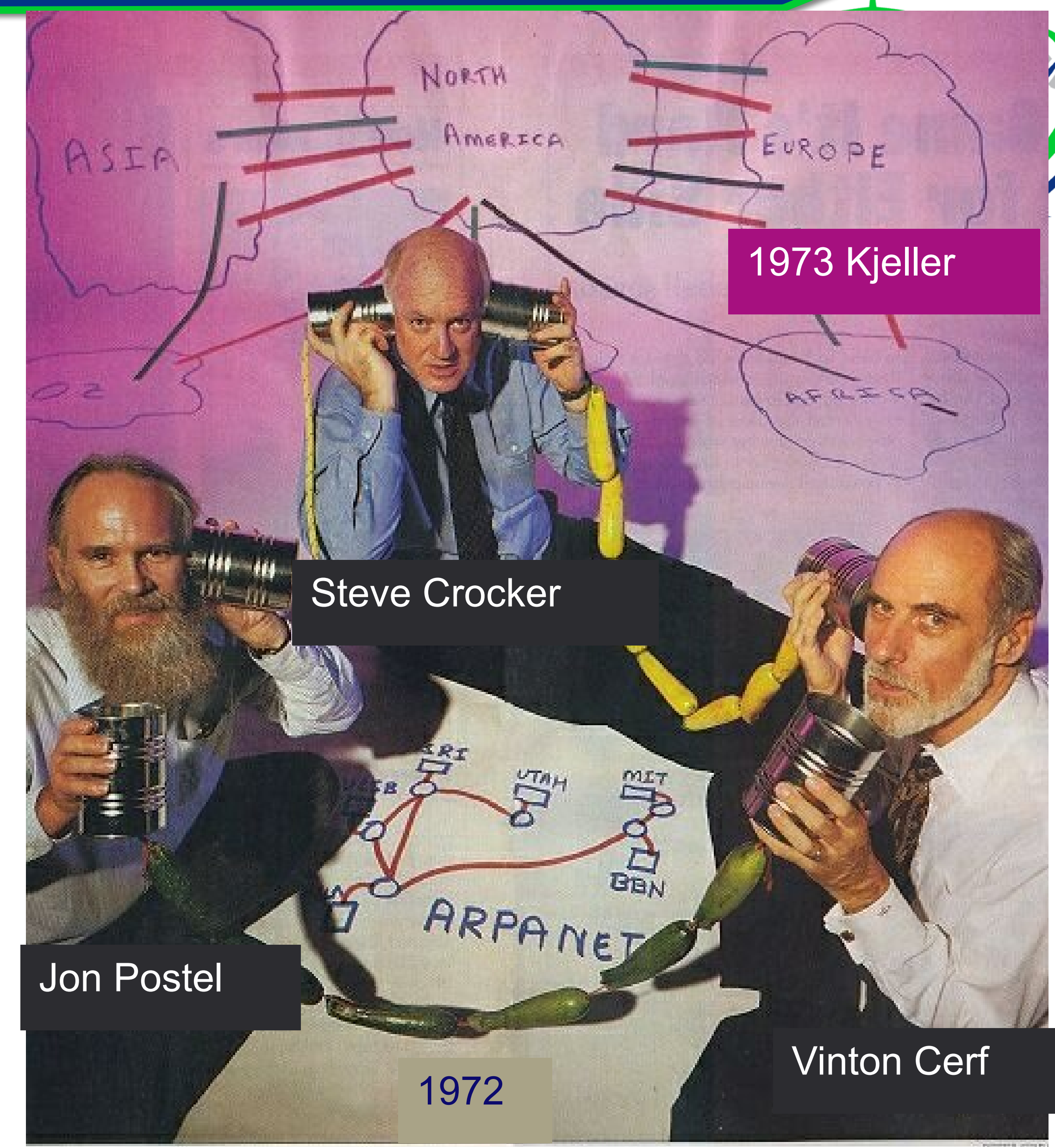
1994: Opera
Software

2014:



Yngvar Lundh

Pål Spilling



1973 Kjeller

Steve Crocker

Jon Postel

1972

Vinton Cerf

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

How can we “Connect The Future”?

Specific focus: Girls & Women

Josef Noll @josefnoll · Jun 2

Amazing opening by @ITU @ITUsecGen Houlin Zhao, setting the scene for connecting every single human by 2030, and @meilinfung, addressing the history of the Internet and #NRENs to connect schools. We're in @CateKimambo @RosalynnMworia @UcsafT @AheriNet @cisskisumu @WSISprocess

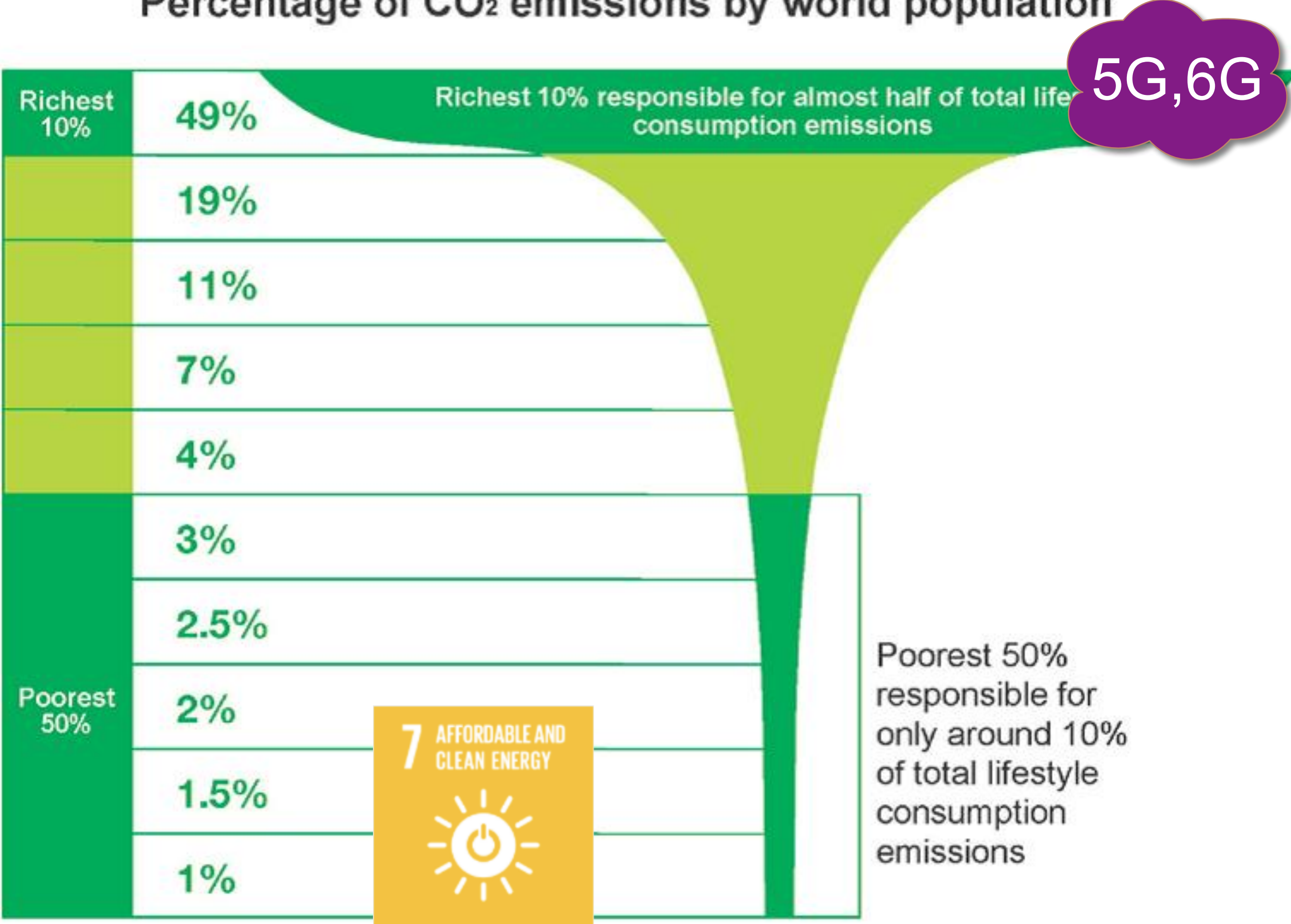




Inequality in Energy & Digital Access

Percentage of CO₂ emissions by world population

World population arranged by income (deciles)



9%

NATIONAL ASSESSMENT FOR MEANINGFUL CONNECTIVITY
(2021, BASED ON PILLARS' AVERAGE)



ESTIMATED TO HAVE 4G SPEEDS



ESTIMATED TO OWN A SMARTPHONE



ESTIMATED WITH UNLIMITED ACCESS



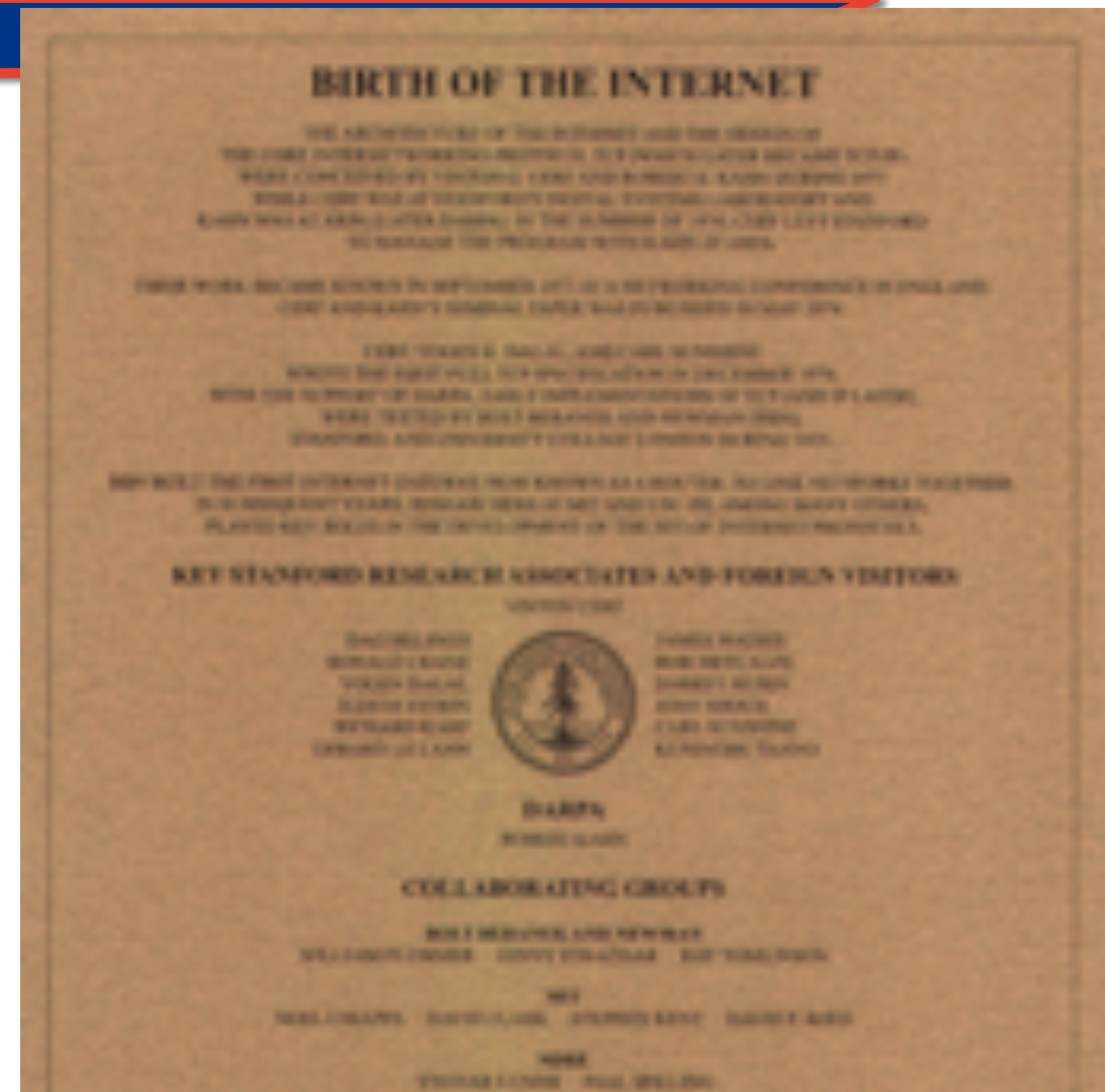
ESTIMATED TO HAVE DAILY INTERNET USE

[Source: Oxfam.org, 2015]

[https://webfoundation.org/docs/2022/02/MC_Rwanda_FS_Screen_V1.pdf]

Internet and the Nordics

- 1. Arpanet Connection to **Kjeller** (June 1973)
- List_of_Internet_pioneers [Wikipedia]
 - Yngvar Lundh, **Paal Spilling**
- Application areas
 - .php, OpenSource, Linux, Skype, Spotify
 - **OperaSoftware**, FAST Search
 - Nokia, Ericsson
 - **Telenor**, TeliaSonera
- Mobile Internet & Digital Transformation
 - GSM
 - GovStack.global



Vint

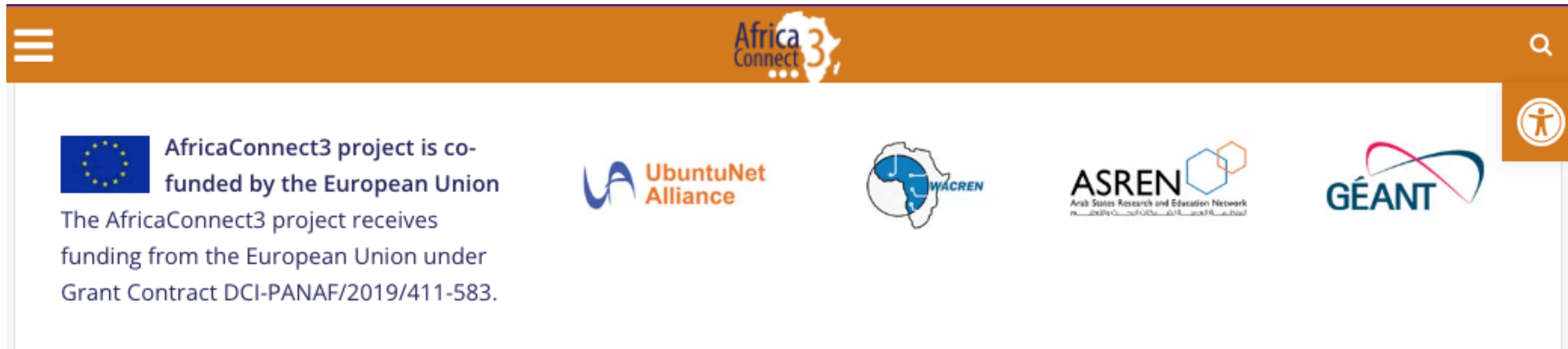
Sigrd



Yngvar

Paal

Universities and National Research & Education Networks (NRENs)



- ➔ Connecting Universities & Research
 - Digital Public Goods
- ➔ Services: Eduroam
- ➔ Non-profitable services
- ➔ Decentralised Innovation Creation
- ➔ Base to IT industry

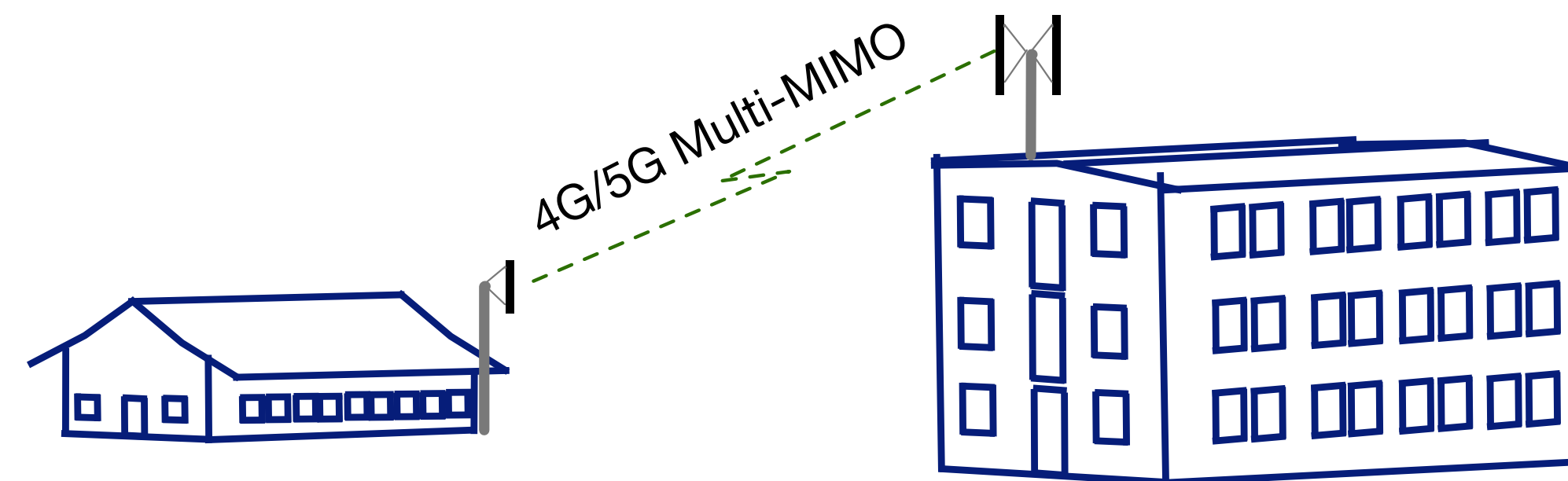
The Guild (EU) - ARUA (Africa)

- Research for the (digital) Society
- Regional Competence Centres (RCCs) for
 - the Digital Transformation
 - Connect Schools & unconnected Communities
 - practical experiences
- Real world search based on needs from the communities



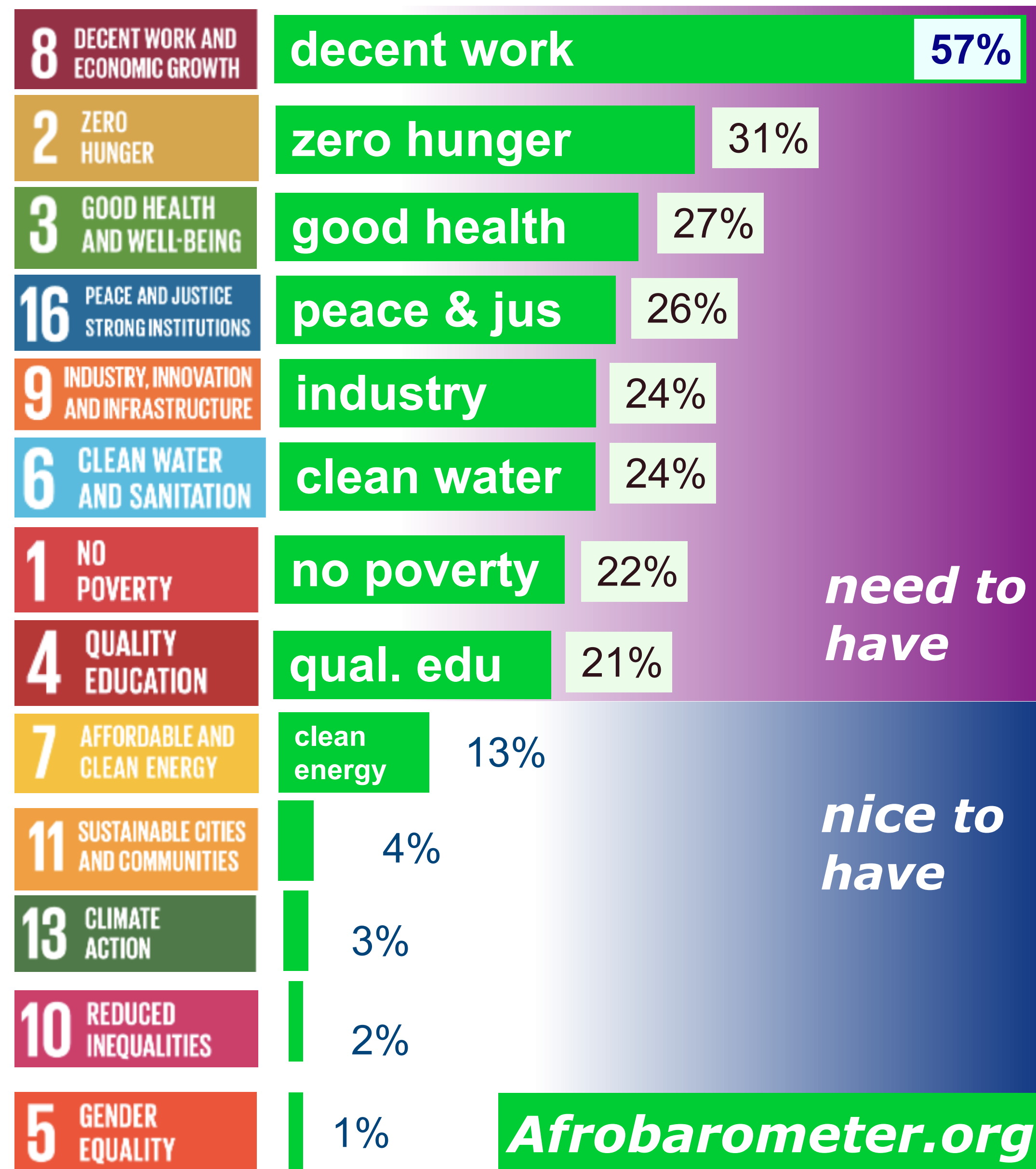
ARUA and The Guild in full support of the proposed joint AU-EU Innovation Agenda

Through the proposed AU-EU Innovation Agenda, announced on 14 February ahead of the AU-EU summit, universities are assuming a central place in the development of AU-EU relations.





Priorities in (rural) Africa



"As a mother of six children, I am expected to be the home keeper; I wash, clean, and cook. It is merely my responsibility to be constantly available and do everything for my family. So with this heavy responsibilities, I cannot find time to use the computer and the Internet at home"
Female, 45 years

Mumporeze, N., & Prieler, M. (2017). Gender digital divide in Rwanda: A qualitative analysis of socioeconomic factors. *Telematics and Informatics*, 34(7), 1285–1293

"There is no broadband in rural areas"
(in South of Sahara Africa - SSA)

TZ: 640 USD for 4 Mbit/s
GH: 600 USD for 5 Mbit/s
KE: 600 USD for 10 Mbit/s
"every single month"

<https://blogs.worldbank.org/africacan/how-do-africans-priorities-align-with-the-sdgs-and-government-performance-new-results-from>

Digital Public Goods & GovStack



1A: We recommend that by 2030, **every adult** should have **affordable access** to digital networks, as well as **digitally-enabled** financial and **health services**, as a means to make a substantial contribution to achieving the **SDGs**...

1B: We recommend that a broad, multi-stakeholder alliance, involving the UN, create a **platform** for **sharing digital public goods**,

- Affordable access to DPGs and GovStack
- Community involvement
- Decentralised DPGs



Community involvement

for meaningful access tailored towards the needs & capabilities

→ WIR vs ICH

- **W**erte - Values
- **I**nclusivität - inclusivity
- **R**esilience

Value creation
Trust & confidence



Explore, Affection
Opportunities



Empowerment, Work
Digital Transformation



Self-actualisation
Entertainment

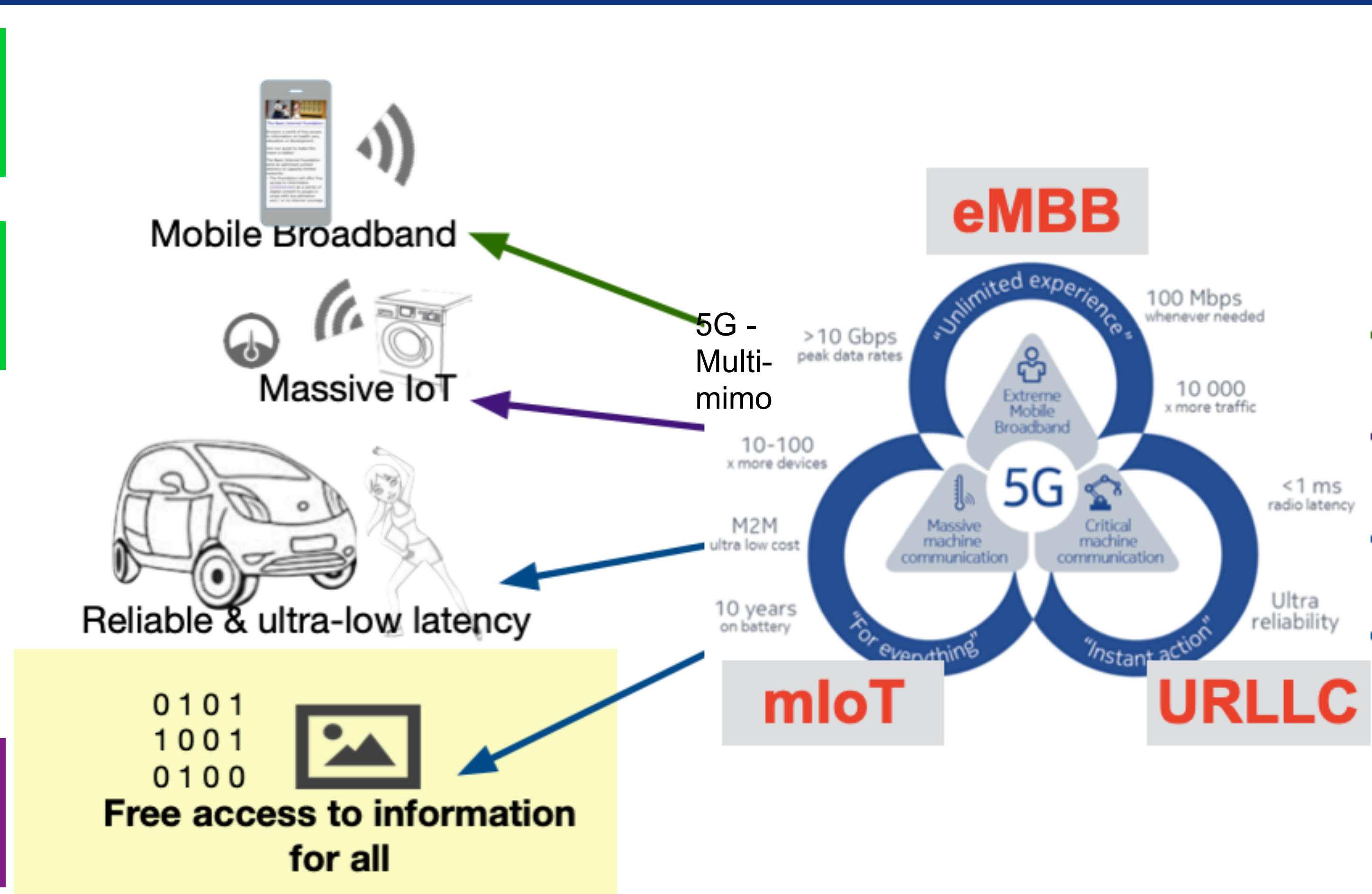


Need to change?

Road model: pedestrians & cyclists

Digital pedestrians, digital cyclists vs digital cars (broadband)

Internet Lite





Histories (14 countries in Africa)

“My mobile is more important than a weapon”

Head of Mbaash, TZ

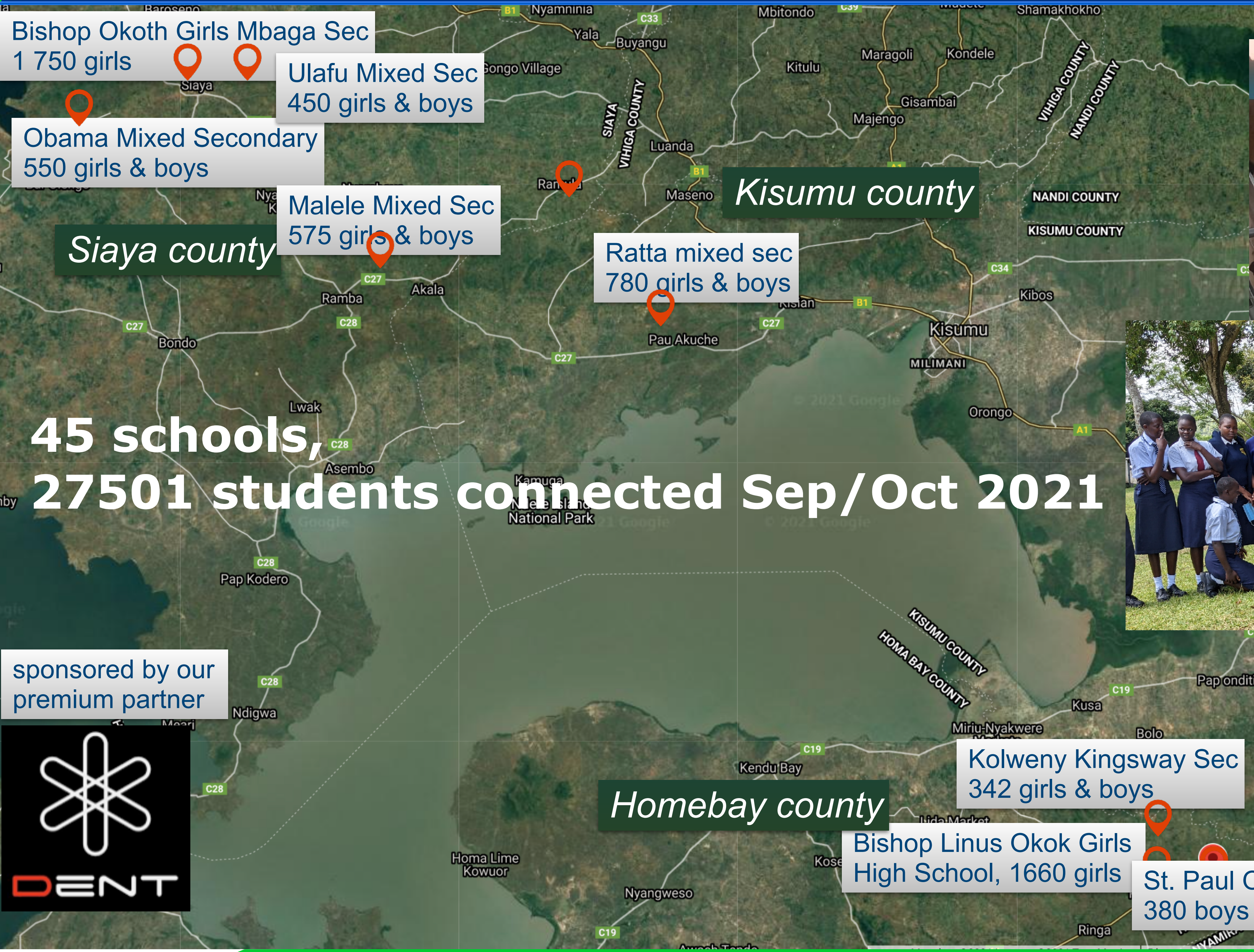
Catherine R Kimambo connecting her first village

<https://vimeo.com/368147538> - 2020

Mount Kenya - our cultural heritage

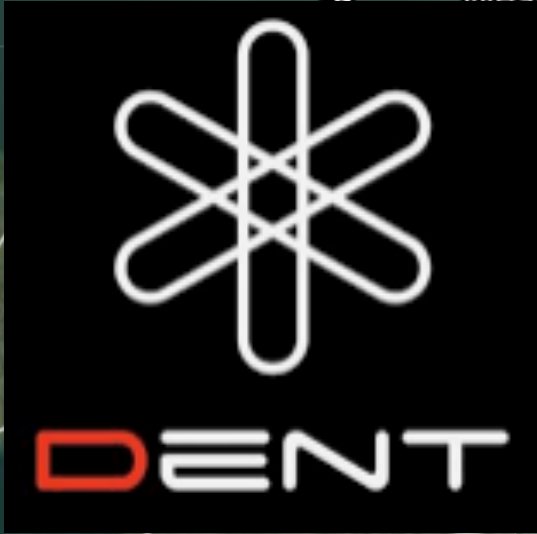
Usingo Secondary School, KE





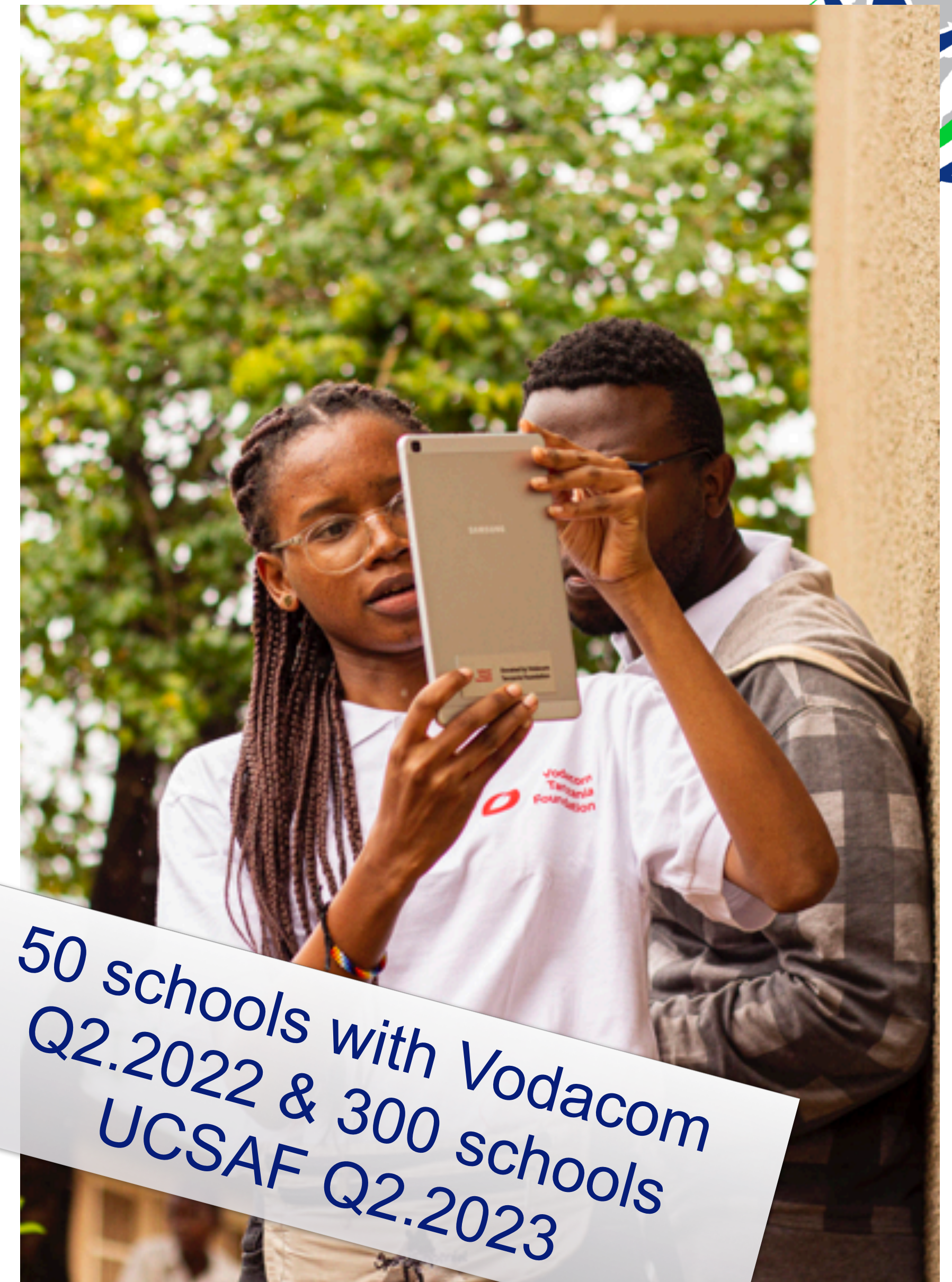
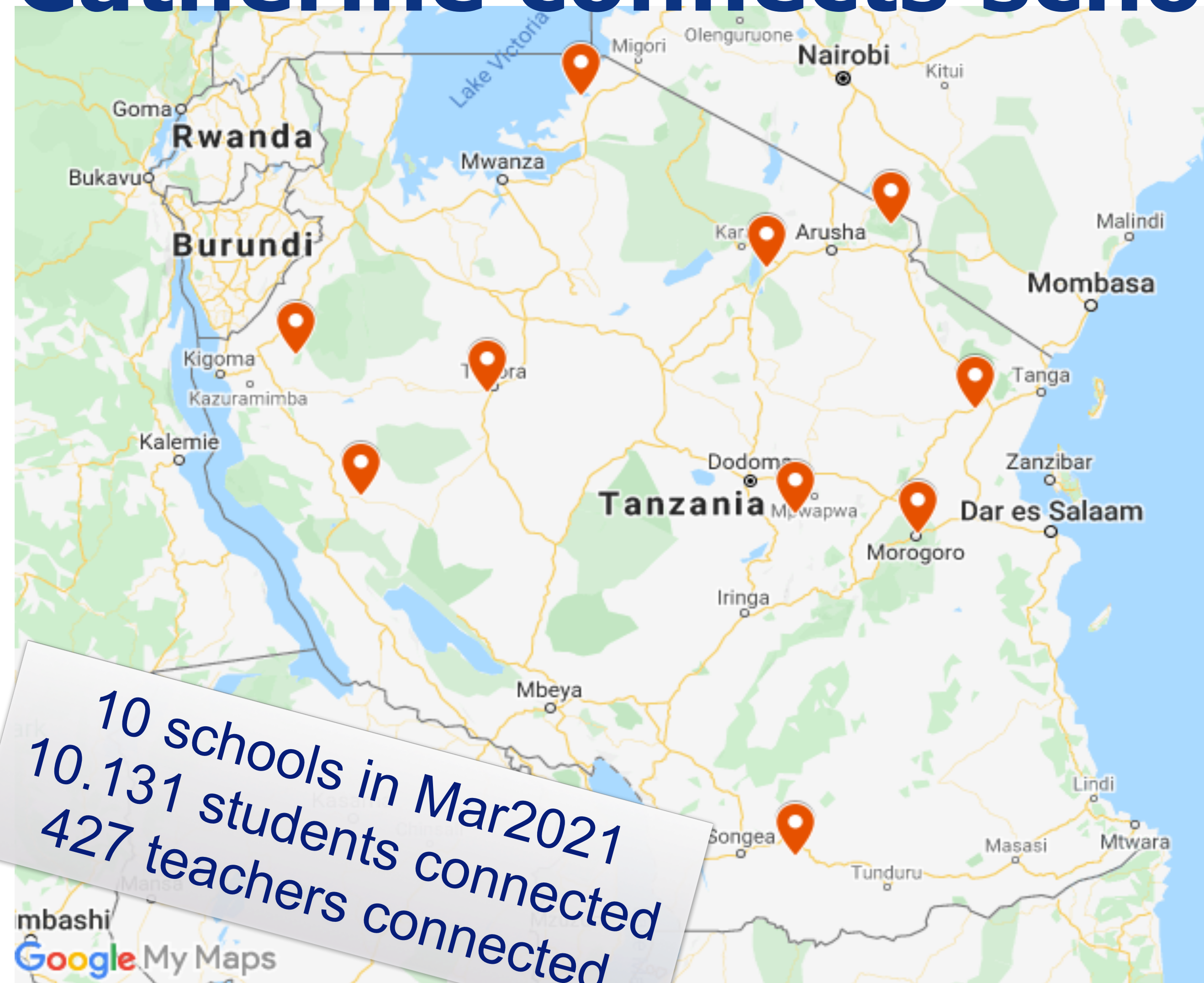
45 schools,
27501 students connected Sep/Oct 2021

sponsored by our
premium partner



Scale-up Tanzania

Catherine connects schools



50 schools with Vodacom
Q2.2022 & 300 schools
UCSAF Q2.2023

