

UNIVERSITY OF OSLO

SUSTAINIT workshop, 12Apr2024

Digital Health Information for every human (in Africa)

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UNIVERSITY
OF OSLO





Catalysts for the SDGs?

Role of Internet?

Business model?

Catalysts for the SDGs?



SDG 1.4 Equal access to basic services

SDG 4.A Education facilities for effective learning for all

SDG 5.B Use of enabling technologies

SDG 9.C universal and affordable access

SDG 16.10 ensure public access to information

SDG 17 Partnerships for the Goals

Role of the Internet?

Empower
my dreams

World Summit of the Information Society - WSIS 2023



Doreen Bogdan
Secretary General ITU




Business model?



How to “Connect the Future” and “Empower my Dreams”

→ Western World

- fixed & mobile & work - about 100-200 USD/family
-  17.000 base stations,  EU: 421.000 towers [Statista]

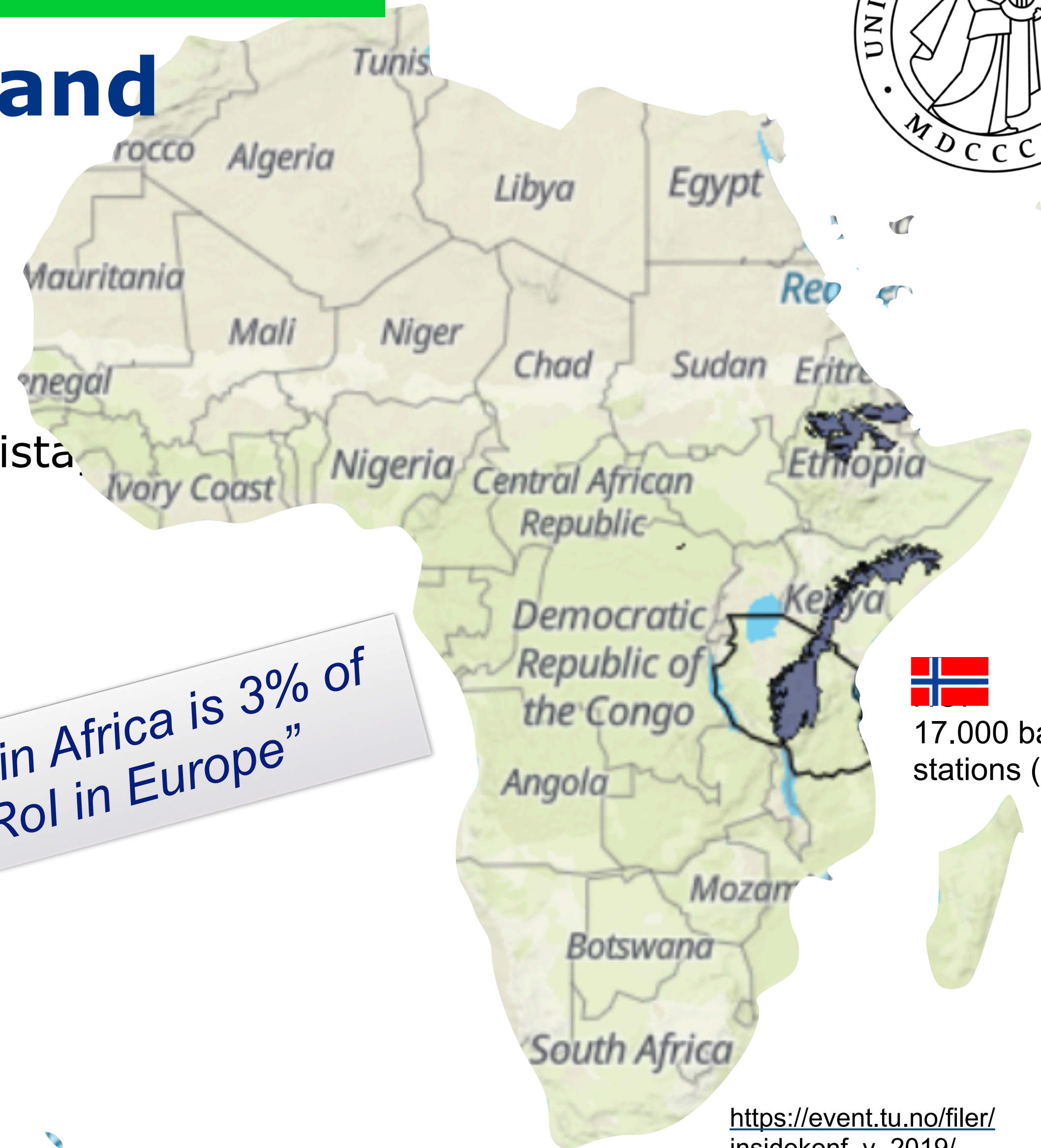
→ Example: Tanzania

- large distances (3 x size of Norway)
 - expensive access
 - negligible fixed broadband
- ability to pay: 10-20 USD/family

→ Europe vs Africa

- 6.8% vs 20% of land area
- 746 million vs 1.3 billion (2018)
- 112 vs 43 people/km² [Worldbank, Statista]

“RoI in Africa is 3% of
RoI in Europe”



https://event.tu.no/filer/insidekonf_v_2019/Eivind_Mikkelsen_Trenger_Norge_100.000_basestasjoner.pdf

What if ...

We revisit access

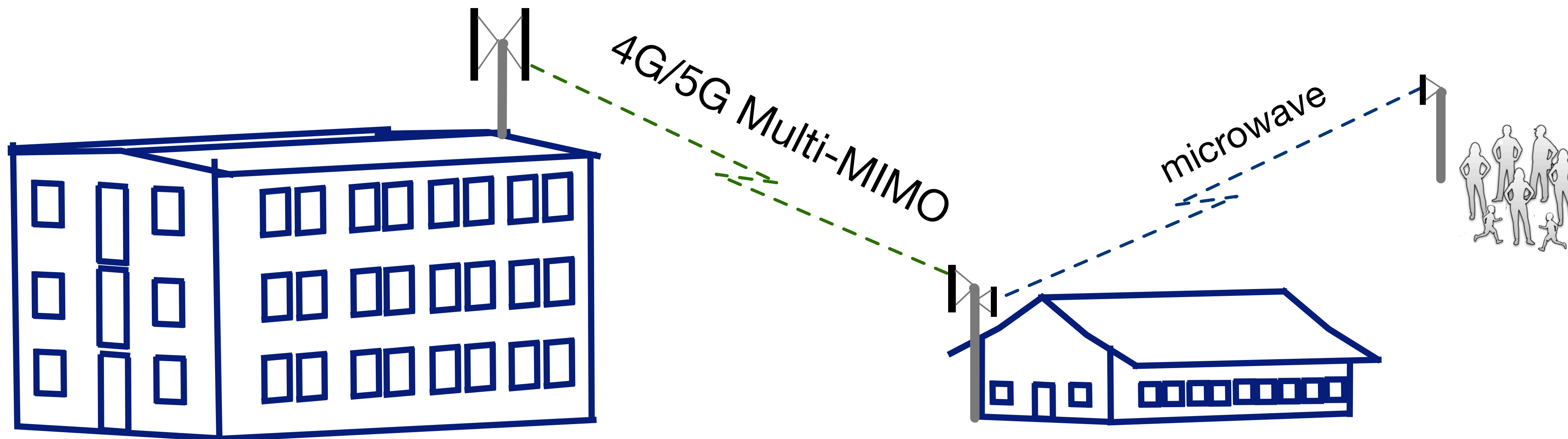
We decentralise the Internet

We use Universities to connect

The role of Universities

Heart information, societal impact & other non-profitable services

- Feministic dev. & foreign policy
 - Values vs Things
 - WIR vs ICH ("values, inclusive, resilience")
- Access to Health Information, GovStack and Digital Public Goods
- Regional Competence Centres (RCCs)
- Connect Schools & Communities
- Non-profitable content at School-/Community-Centres



InfoSpots for **CL3**
Community
Learning &
Living
Labs



National Research & Education Networks (NRENs)

Phase III TZ (2023) - 300 schools

antenna



Esilalei (2019) 120 W solar panel, light & connectivity



Mto wa
Mbu

Lake
Manjara

Dispensary

Esilalei

4.6 km

Mbash - primary health station

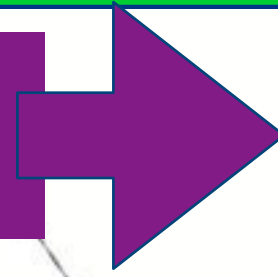
The mobile phone has replaced the machete (even in places without Mobile Broadband)



“Connect The Future” Selela Market Place

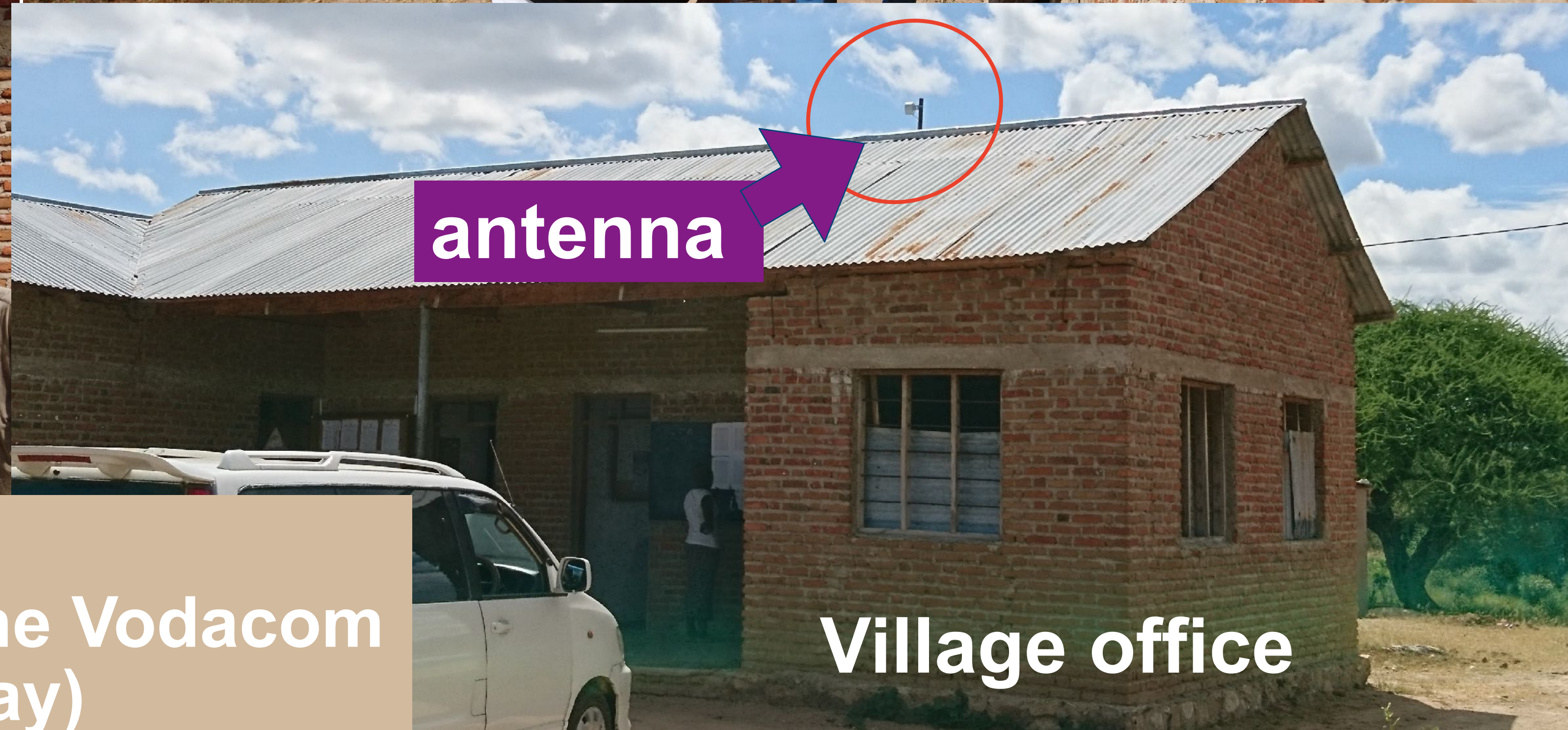


antenna



- Antenna in 6 m height
- Reaches Tigo tower > 20 km away

“Connect the Future” Izazi



Installation time: 1,5 h
catching the signal from the Vodacom
tower in Migoli (~10km away)

Village office

Migoli, Nyerere High School - 2019



1271 pupils, 34 full-time teachers
9 m pole (above trees) base to connect
- Migoli health station
- Migoli village office

