



UiO : **Institute of Health and Society**
University of Oslo



VISJON2030 : 6TH FORMATIVE DIALOGUE MEETING

Non-discriminating access for Digital Inclusion
- Implementation & scaling up

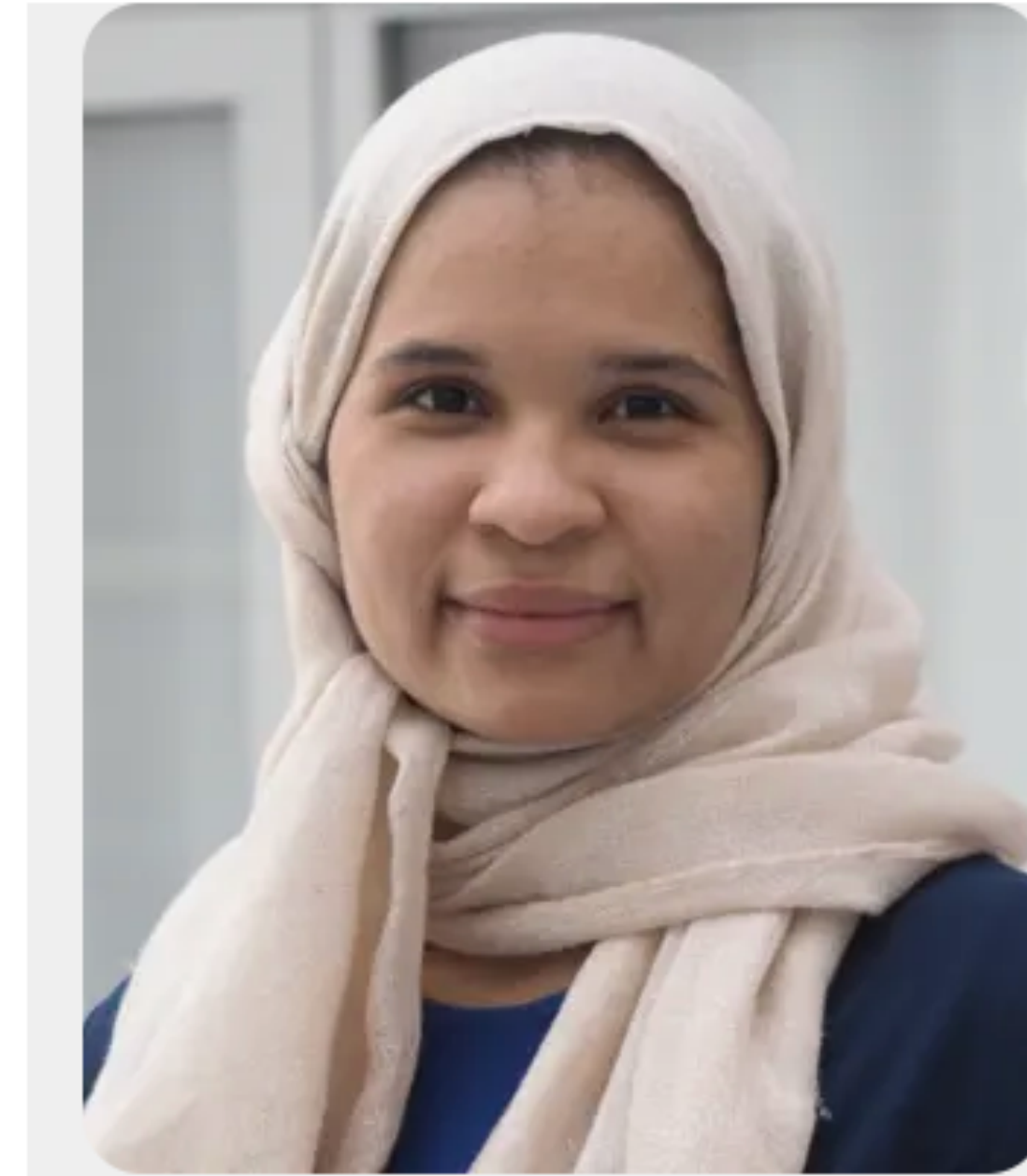
Wisam Ahmed Mansour, Christine Holst,
Josef Noll and Andrea S. Winkler



UiO : **Global Health**

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

“This vision is carrying us forward every single day. We **solved** the **challenge of access**, and are focusing now on **National Knowledge Portals** to **empower** individuals, societies and nations. Through **free access** to the portal we address **access, skills, regulations** and **inclusion**”



Wisam Ahmed Mansour

Digital Transformation and Women Entrepreneurship

<https://www.linkedin.com/in/wisamam/>



wisam@basicinternet.org



Josef Noll

Co-Founder, Secretary-General

<https://www.linkedin.com/in/josefnoll/>



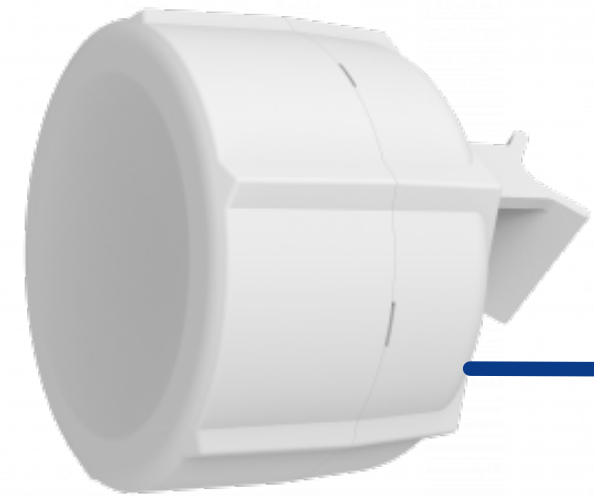
+47 9083 8066

Digital Inclusion scale up

DigI.BasicInternet.no

- ➔ DigI: 10 InfoSpots across Tanzania
- ➔ Digital Health Promotion (DHP)
 - Scientific Study by Christine Holst (UiO)

Internet link



3G/4G (UMTS/LTE)

LNCC
network controller

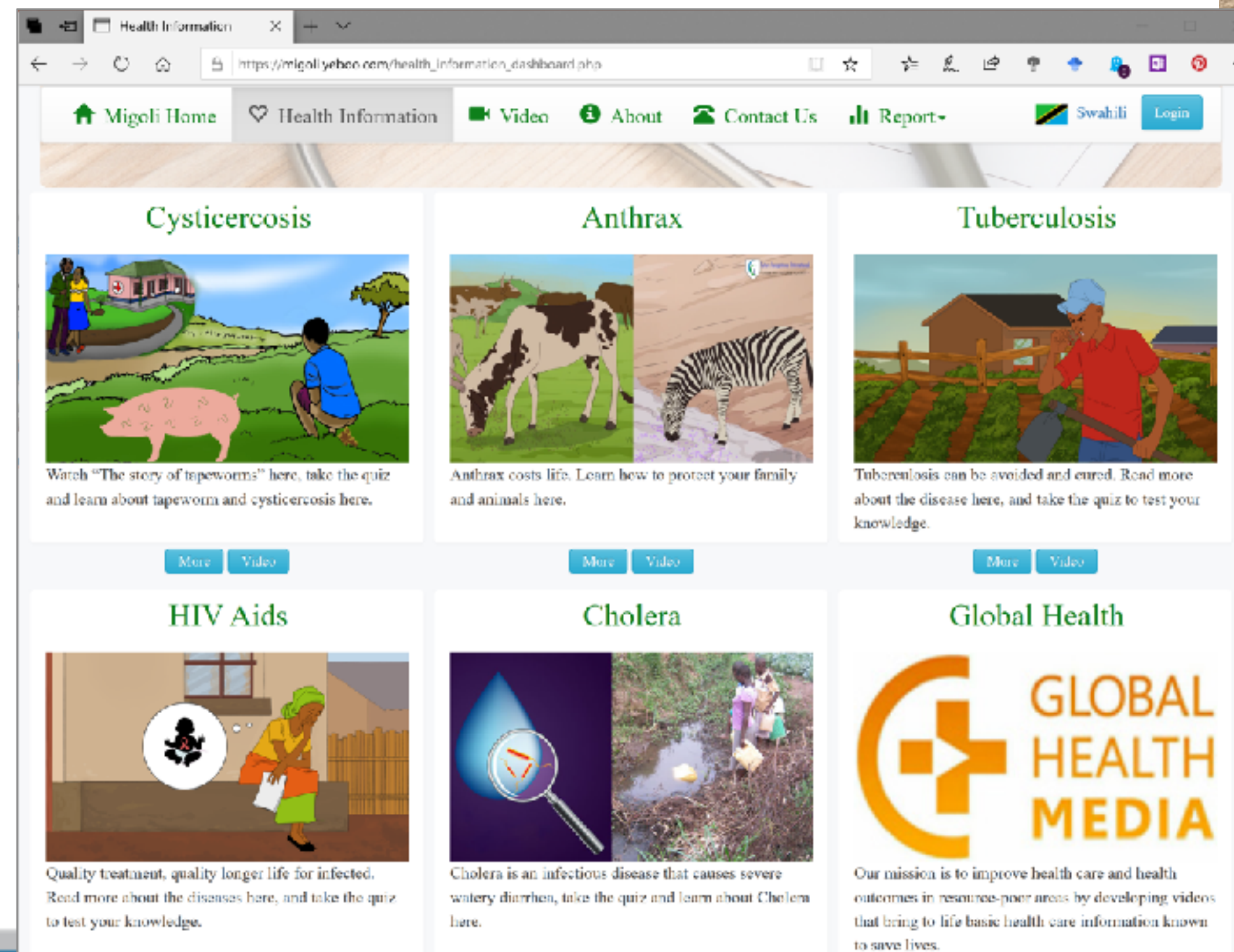


hAP ac²

Society Server



Raspberry Pi 3+



Implementation & scaling up

- Close collaboration with target users
 - Community driven
- Adjustments “all the time”
 - installation, content, set-up (screens), scaling up
- Research findings:
 - High health knowledge improvement (uptake and retention)
 - ▶ **Cysticercosis: from 9% to 57%** (retained after 12 months)
(to be published)
 - Creative use of the health platform in the communities
 - ▶ Learning English through Swahili/English health messages
- **Scale up**
 - Communities in 12 countries in Africa
 - School Connectivity in Kenya (45 schools), Tanzania (10 + 50 +150 schools)
 - Energy solutions for Africa (H2020 SESA: 80 InfoSpots in 8 African countries)



School Connectivity

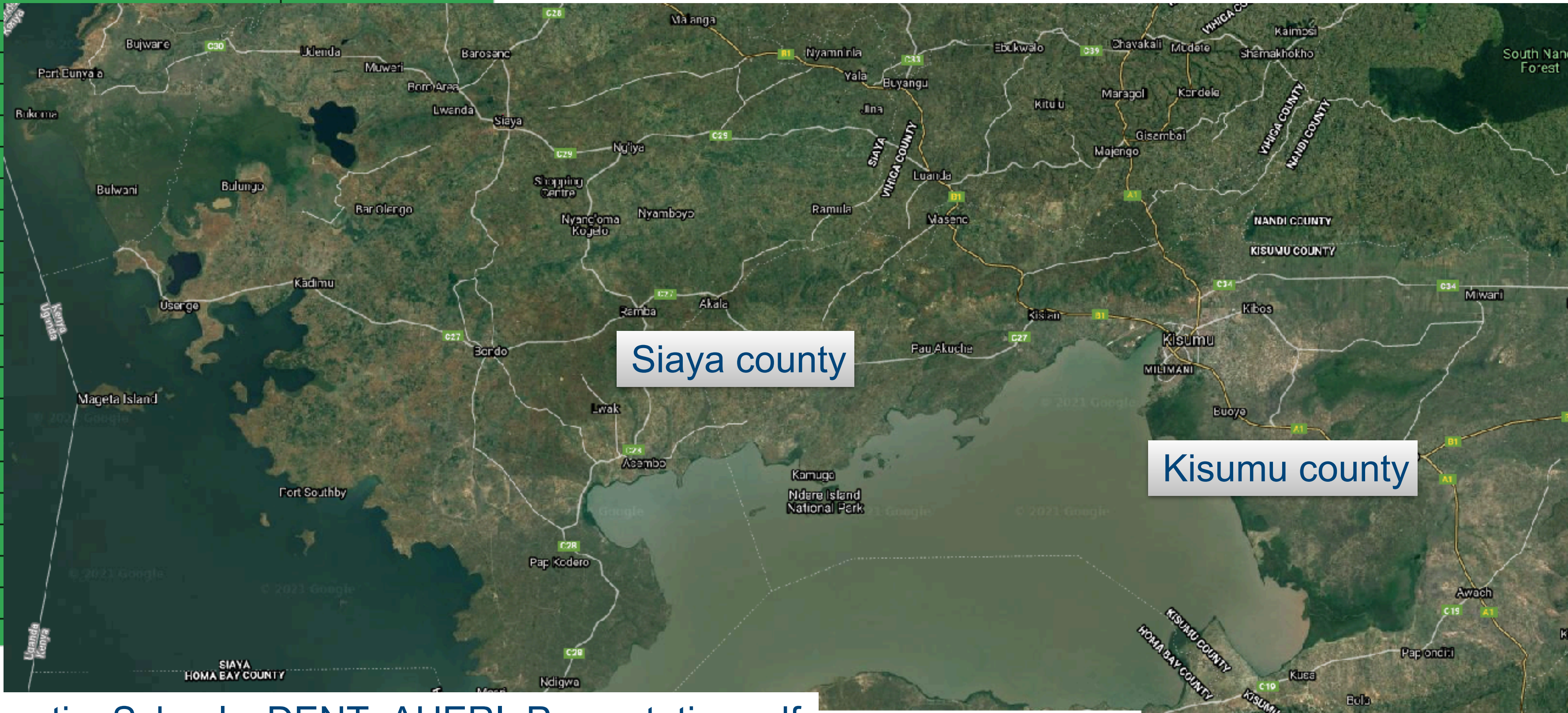
Examples of Activities

- ➔ **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
 - 45 schools Oct2021 → National Framework
 - harmonisation with UNICEF and national strategy
- ➔ **Ethiopia** - support of MoE initiative
 - pilot 1 school → proposal to BMF on phase 1 of 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



		responsible country manager: Josef Noll	
key:	green	= Prioritized due to tech lack of education possibl	
	yellow	= next ones if any greer	
	orange	= Not technically feasib	

PRJ#	School identifier	contact	region		
1	Ukwala Boys Secondary School	Robert Otieno	Kisumu	55RR+F7 Luhano, Kenya	Secondary Boys School with
2	Siaya Township Secondary School	John Malamba	Siaya	378M+QM Siaya, Kenya	Siaya Library and surrounding
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	Ngi'ya 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	St.Francis Rangala Girls High School				
18	Sega Girls Secondary School				
19	Nyamonye Girls Secondary School				
20	Sawagongo Boys High School				
21	St. Marys Boys High School				
22	Nyamira Girls Secondary School				
23	Sinaga Girls High School				



https://its-wiki.no/images/0/03/ConnectingSchools_DENT_AHERI_Presentation.pdf

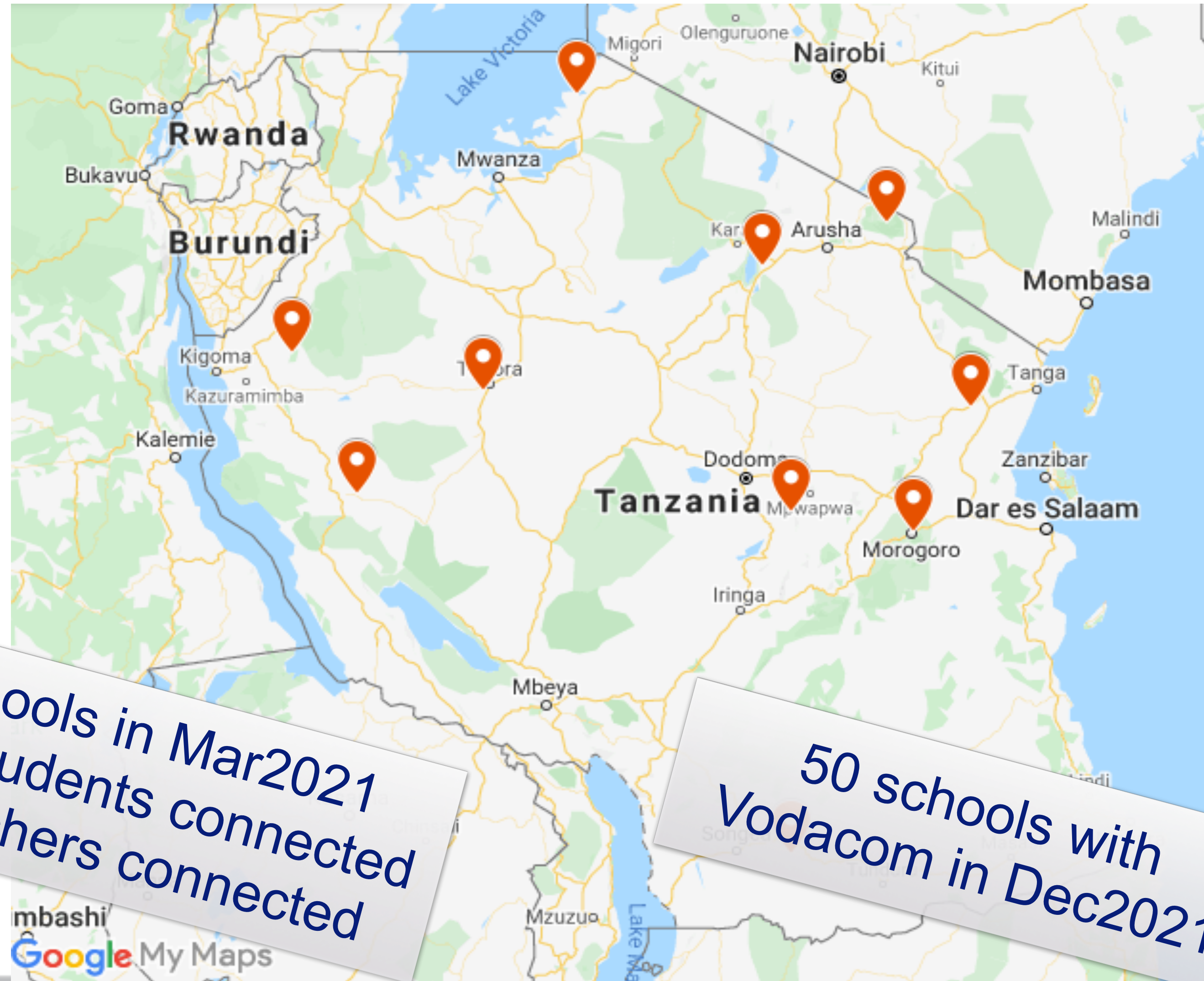


50 schools in Kenya

- sponsor DENTwireless.com

Reference Tanzania

Catherine connects schools



10 schools in Mar2021
10.131 students connected
427 teachers connected

50 schools with
Vodacom in Dec2021



12 countries in Africa



Ethiopia:
Koye Secondary School



Tanzania:
scale up to
200 schools



Smart Energy Solutions for Africa

(29 partners, 10 M€, 2021-2025)

- 8 countries in Africa, with BasicInternet in **Kenya, Ghana, South Africa, Malawi, Tanzania**
- Combination of **Energy Solutions and Information on Energy**
- **80 InfoSpots**
- wiki: <http://SESA.BasicInternet.no>

1. ICLEI European Secretariat (ICLEI ES)
2. Aalborg University (AAU)
3. Akenten Appiah-Menka University of Skills Training and Entrepreneurial Development, Kumasi (AAMUSTED)
4. Basic Internet Foundation, Kjeller (BIF) - see [admin for BasicInternet in SESA](#)
5. Blekinge Institute of Technology (BTH)
6. Energy and Livelihoods for Communities (ELICO) Foundation
7. F6S Network Ireland (F6S)
8. Green Energy Park (GEP)
9. Going Green (GG)
10. ICLEI e.V.- Local Governments for Sustainability (World Secretariat) (ICLEI WS)
11. ICLEI Africa (ICLEI AS)
12. Technische Universität Berlin (TUB)
13. Leitat Technological Center (LEITAT)
14. Make It Green Solutions (MIGS)
15. Metanogenia, S.L. (MET)
16. Nelson Mandela University – uYilo eMobility Programme (NMU)
17. Namibia University of Science and Technology (NUST)
18. Stiftelsen the Stockholm Environment Institute (SEI)
19. Smart Innovation Norway As (SIN)
20. Siemens Stiftung (SIEMENS)
21. Stichting Cenex Nederland (CENEX NL)
22. Research Institutes of Sweden AB (RISE)
23. Tecnalía (TEC)
24. University of Rwanda (UR)
25. Danmarks Tekniske Universitet (DTU) UN Environment (UNEP)
26. UN-Habitat (UNH)
27. Urban Electric Mobility Initiative (UEMI)
28. WE!Hub Victoria Limited (WeTu)
29. Wuppertal Institute for Climate, Environment and Energy (WI)