

UiO Department of Technology Systems
University of Oslo

Webinar "Menstrual Health – A Global Challenge", 2Jun2022, Oslo

Digital Health Promotion at Schools - reducing the stigma of menstruation in Kenya

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Health Platforms and Health Portal

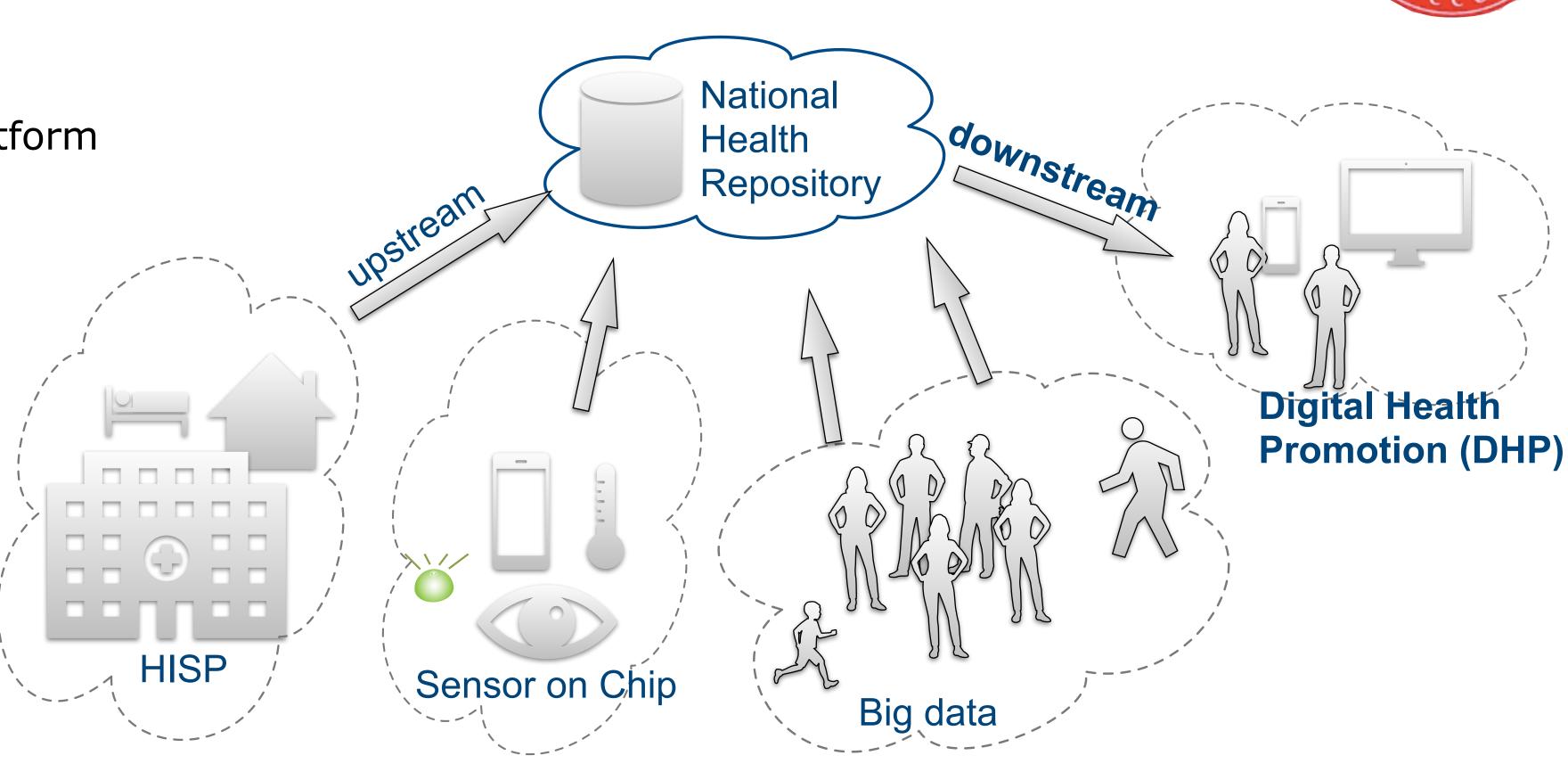


Upstream

 Health Information Systems Platform (HISP, <u>DHIS2.org</u>)

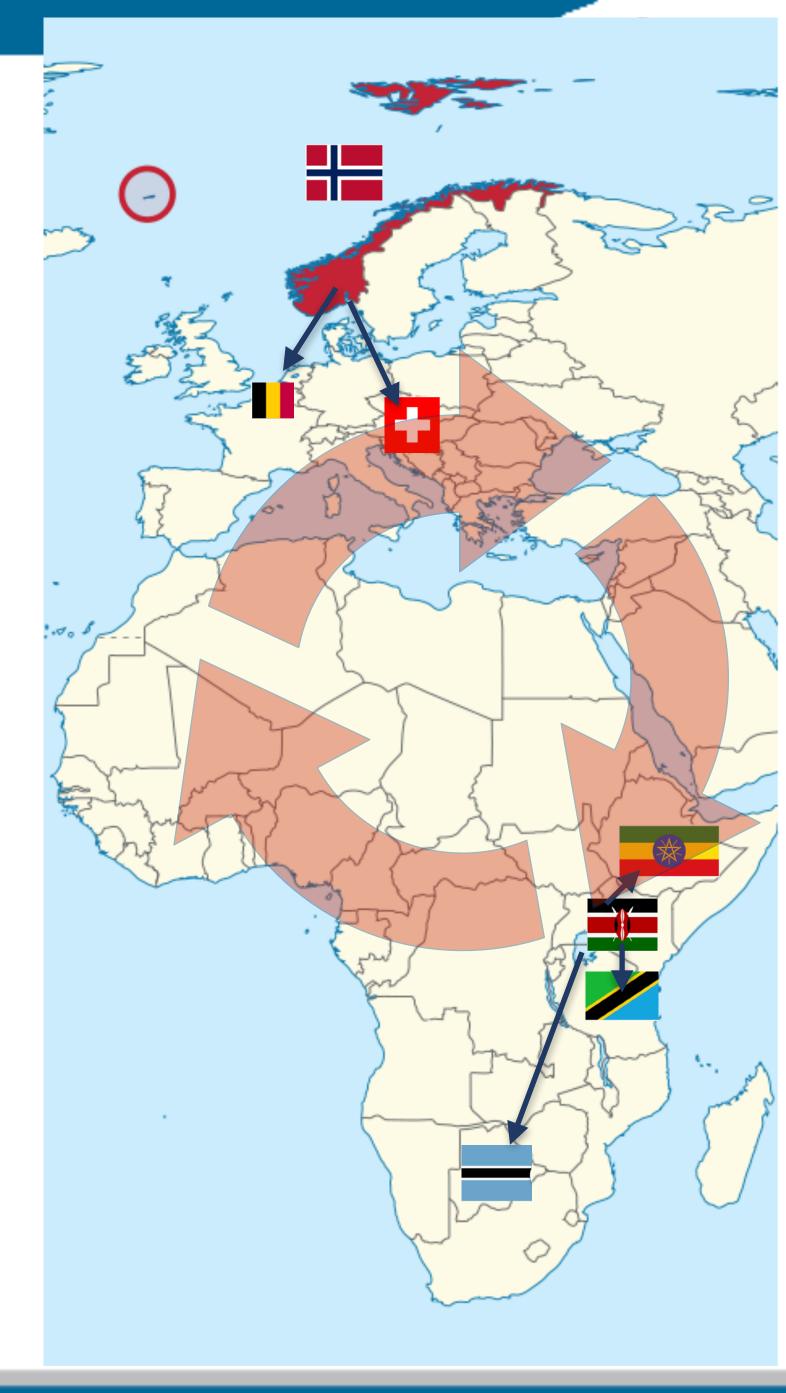
Sensor on Chip

- Bio-sensor
- integrated analysis
- → Big Data
 - Epidemiology
 - Artificial Intelligence (AI)
- Downstream
 - Digital Health Promotion (DHP)
 - Community Health



Digital Health Promotion (DHP) in the Global South

- Applying the Methodology for DHP
 - User involvement & reliance
 - Proven Methodology from <u>DigI.BasicInternet.no</u> project
 - Amazing knowledge enhancement (Cysticercosis, HIV/Aids, Tuberculosis)
- Girls@School
 - Connected 45 schools in Kenya, 60 schools in Tanzania
 - Digital Health Promotion at Schools -> tell the parents
 - Inform, education, and remove stigma related to menstruation
- Project goals
 - hinder drop-out due to menstruation
 - education for girls (and boys)





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Anthrax













Watch "The story of tapeworms" here, take the quiz and learn about tapeworms and cysticercosis here.



Anthrax costs life. Learn how to protect your family and animals here.



Tuberculosis

Tuberculosis can be avoided and cured. Read more about the disease here, and take the quiz to test your knowledge.

HIV Aids



Quality treatment, quality longer life for infected.

Cholera

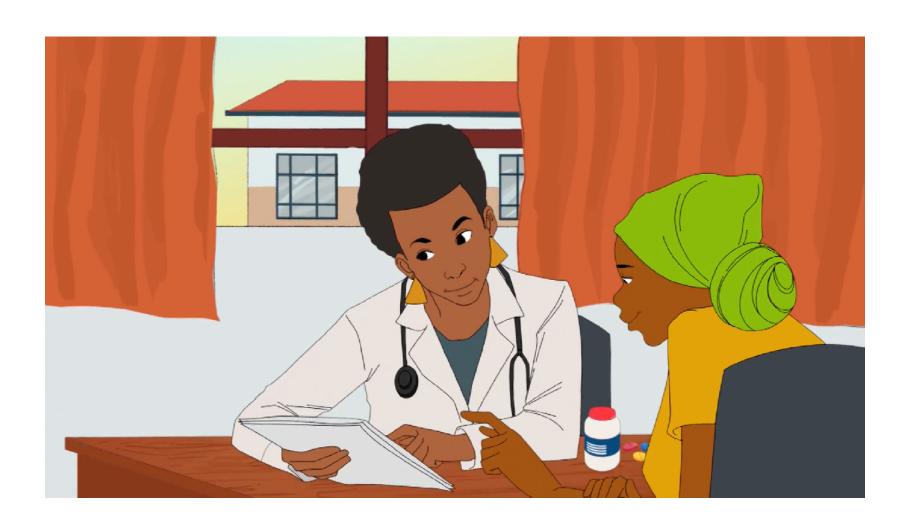


Cholera is an infectious disease that causes severe

Global Health



Our mission is to improve health care and health



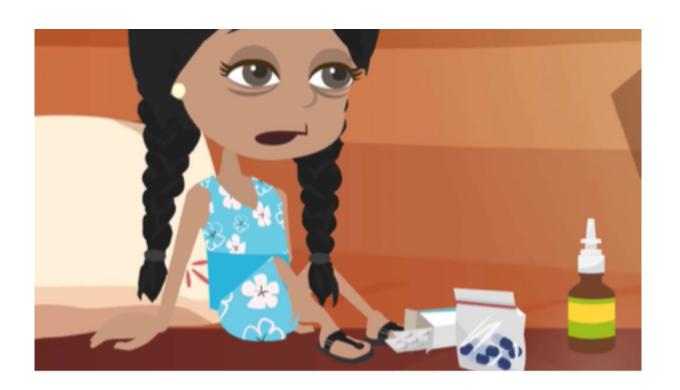
UiO: Global Health

ProDHP Methodology

8+2-step DHP Creation

- 1. a local needs assessment;
- 2. identification of government-approved health promotion materials in a non-digital format;
- 3. identification of key health messages for each of the five relevant domains (prevalence, cause/transmission, signs/symptoms, treatment and prevention);
- 4. creation of a practical and engaging story, easy to understand for the general public;
- 5. drafting of a storyboard for an animated video with review, feedback and revisions;
- 6. forward and backward translation from English to Swahili;
- 7. audio recording of the story in both languages;
- 8. finalisation and presentation for the animations;
- 9. Development of relevant quiz questions related to the health messages in each domain; and
- 10.Development of web and mobile applications to access the digital health messages.





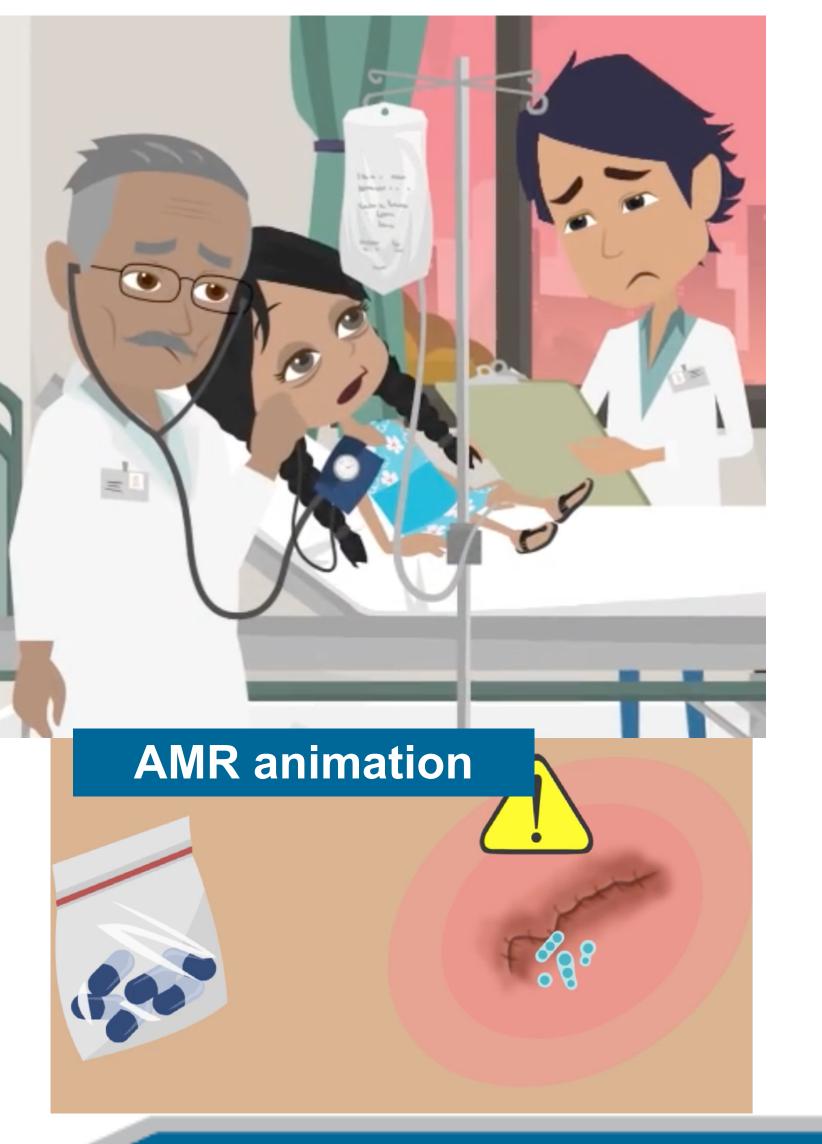
Breast Feeding

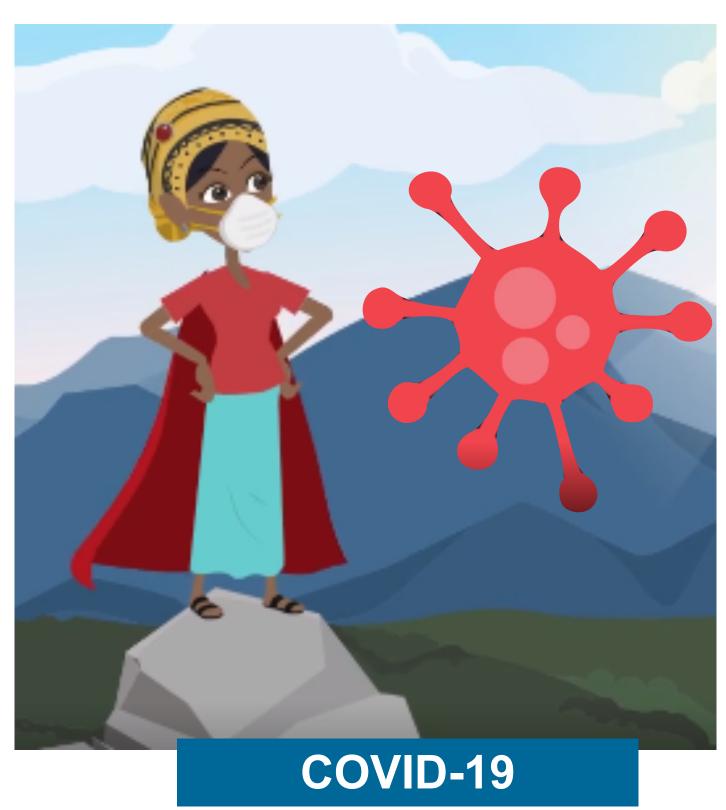
AMR animation

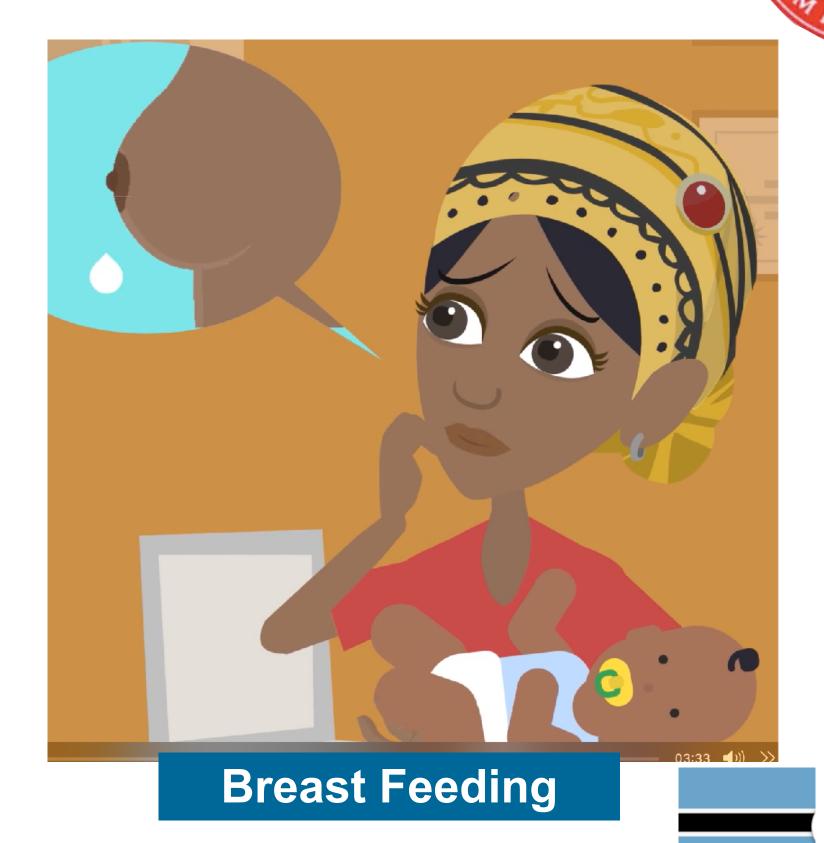
COVID-19

(Sexual Violence)

ProDHP animations



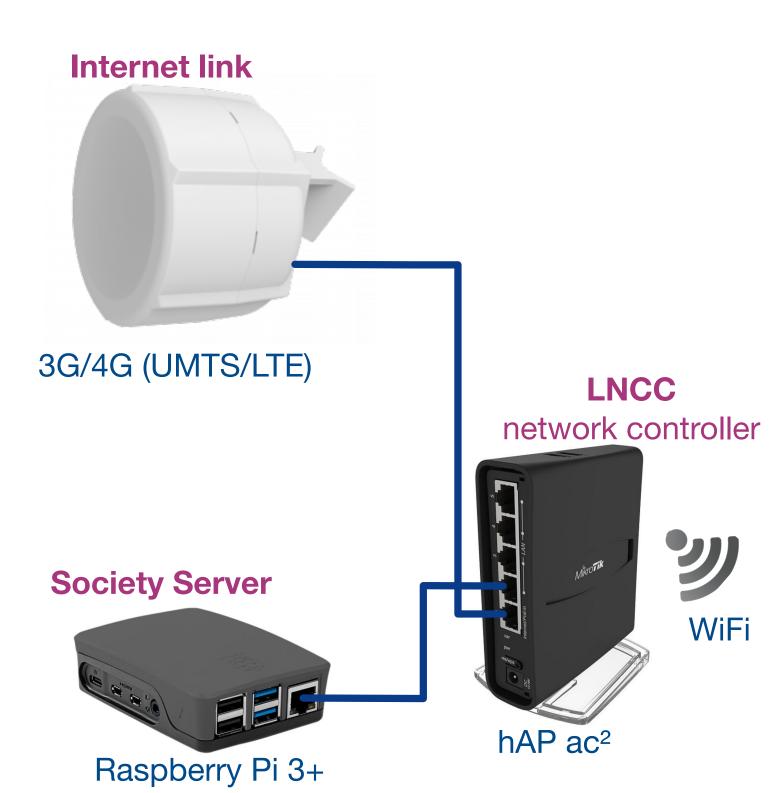




(Sexual Violence)

Solving the challenge of access

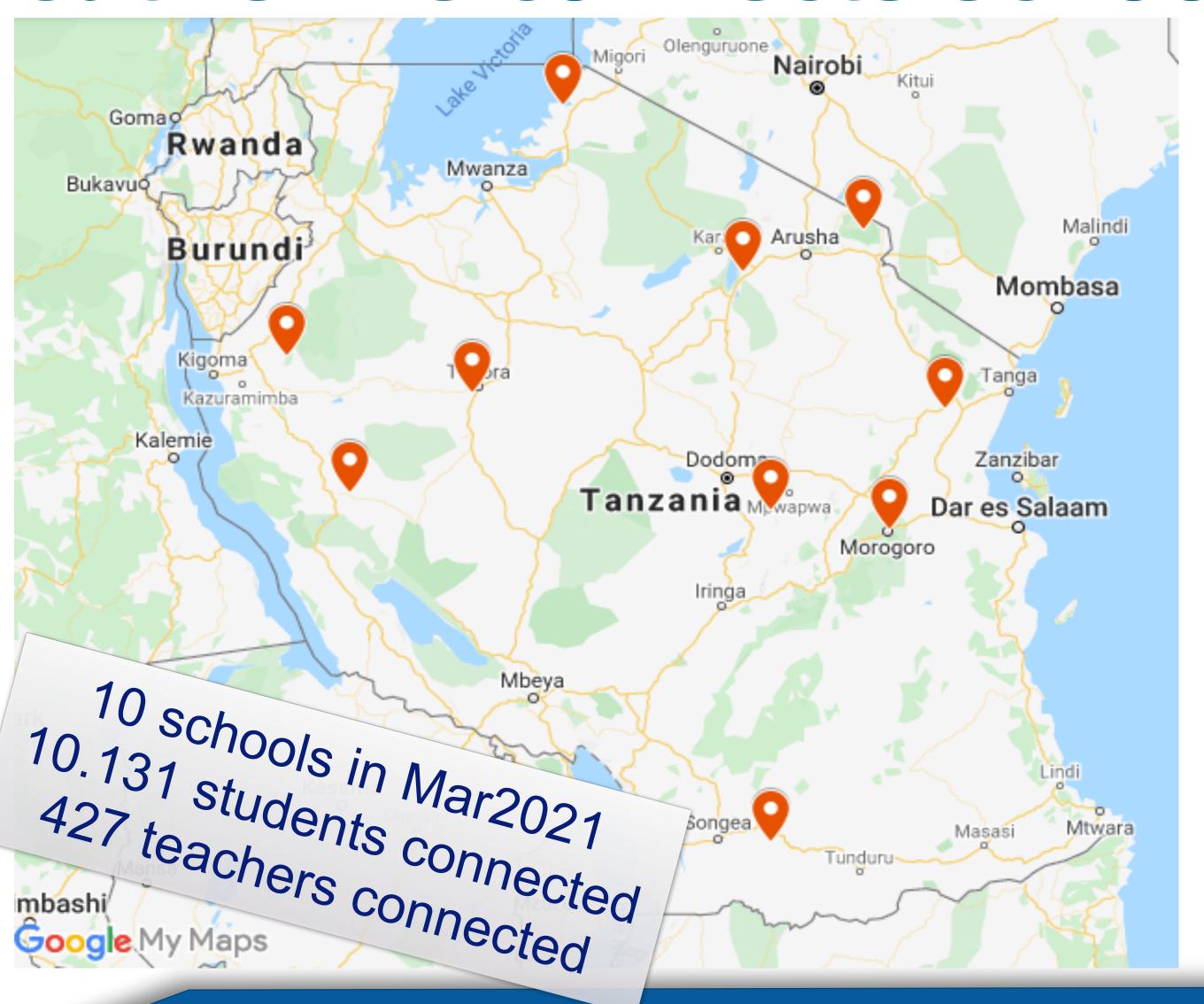
- wireless information spot (InfoSpot)
- → Reaching out >20 km to mobile network
- → Affordable solution: OPEX <20 USD/ month





Scale-up Tanzania

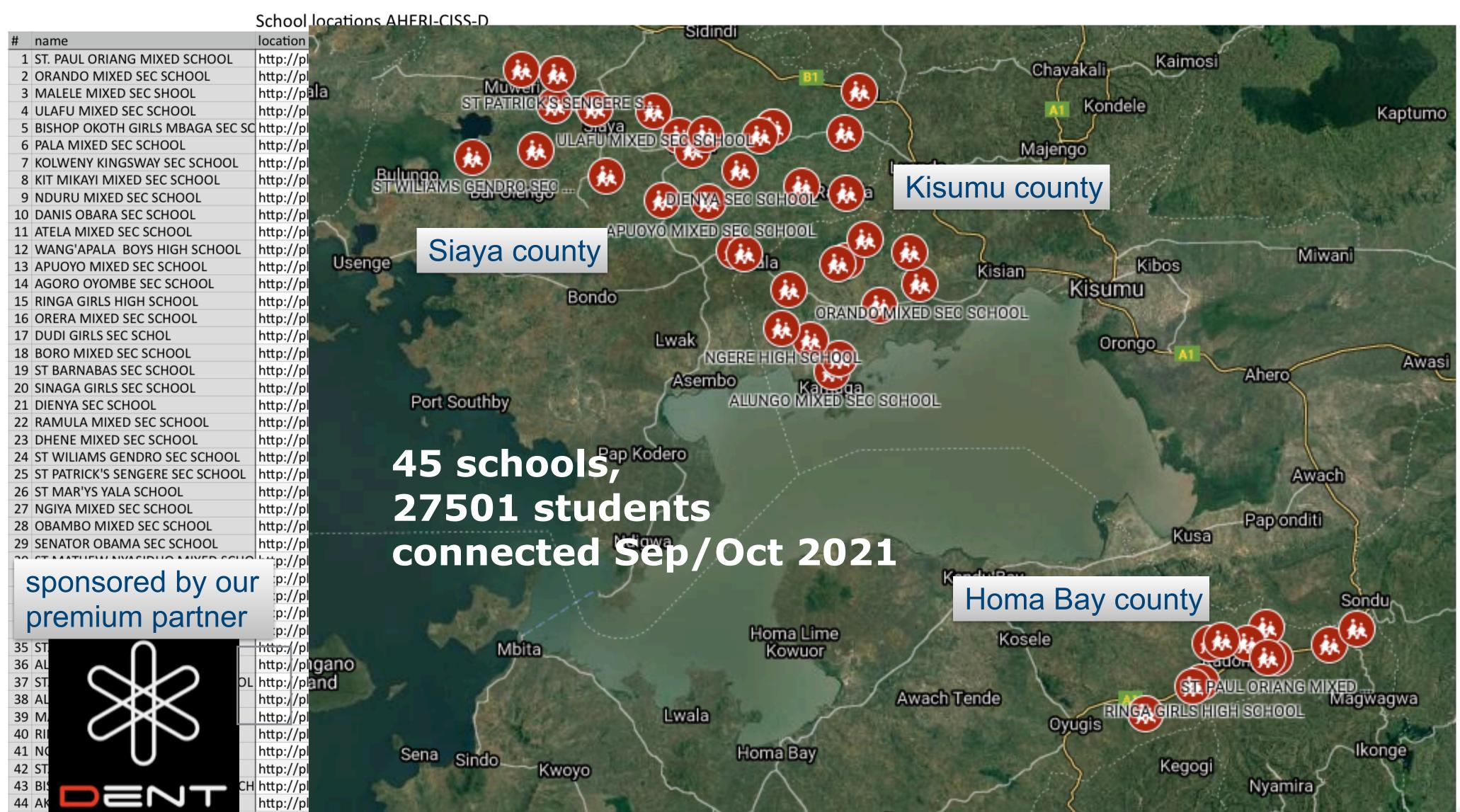
Catherine connects schools





45 schools connected Sep/Oct 2021







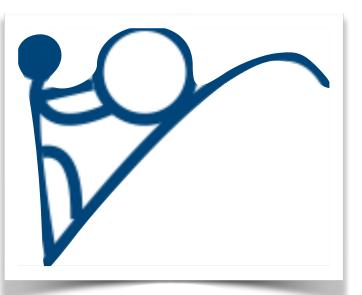
- parallel toGIGIconnect firstphase
- 5 Mbit/s overLTE (dedicated SIM cards)
- 58 USD/month

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Status and invitation to join

SITAS OSLOENSIS.

- well proven methodology (8+2 steps)
 - AMR, Breastfeeding, COVID-19
- → What is the good story for menstruation?
 - Counteracting on stigma
 - Education & Information
- Digital Health Promotion at Schools
 - School Connectivity: 105 Schools, 88.287 students (Q2.2022)



Common work

Default outcome in all medical domains

Awarenessbuilding

Global outreach

Core people of our Digl team (11 partners from 9 countries)





Christine Holst UiO - Norway



Dr. Bernard Ngowi NIMR - Tanzania



Prof. Josef Noll BasicInternet UiO - Norway



Prof. Andrea Winkler **UiO - Norway**



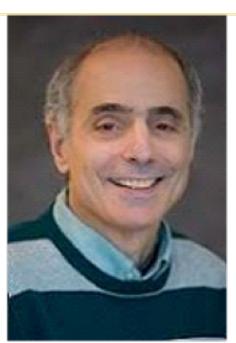
Prof. Helena Ngowi **SUA - Tanzania**



Mr. Erwan Le Quentrec Orange -**France**



Dr. Maurice Isabwe **FCI - Rwanda**



Dr. Peter Cardellichio **Global Health** Media - USA

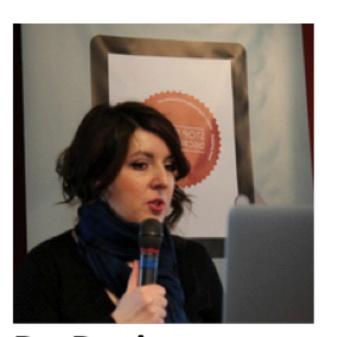


Mrs. Flora Kajuna **SUA - Tanzania**



Dr. Felix Sukums,

Muhas - Tanzania



Dr. Danica Radovanovic **BasicInternet** - Serbia

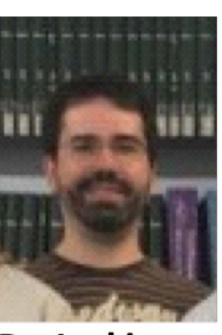


Dr. Elibariki Mwakapeje **MoH - Tanzania**

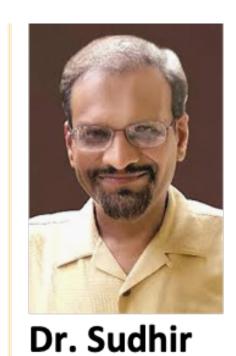
Digital Health Promotion - Menstruation



Mrs. WisamA. Mansour **BasicInternet** - Norway



Dr. Inaki Garritano Mondragon **University** - Spain



Dixit **BasicInternet** L - USA

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