Young Africa Works Hybrid Conference:

THE POWER OF HEALTH

Tuesday & Wednesday September 3 & 4, 2024

8h00-10h00 PST / 17h00-19h00 CAT

Room 3 Giannini Hall, UC Berkeley / **CFNK**, Goma North Kivu, DRC

(French, with live English transcription service)

September 3, 2024

8h00: Welcome & introductions

8h30 - 8h50: UC Berkeley presentation on ***Power Quality, Reliability, and Mortality in North Kivu, DRC*** - by Sam Miles)

8h50 - 9h20: prepared Goma remarks / reflections, 9h20 - 10h: Free discussion / Break

September 4, 2024

8h - Welcome & introductions

8h30 - 9h30 - ETH-Zurich interactive presentation *on* ***Humanitarian Supply Chain: Oxygen Delivery Case Study*** - by Dr. Bublu Thakur-Weigold

9h30 - 10h - Free discussion **/ Break, Presenters on September 3 and 4**

Sam Miles is a 5th year PhD student in the Renewable and Appropriate Energy Lab at UC Berkeley, a Chancellor's Fellow, and Link Fellow. Together with the North Kivu Health Department and RCHA-RDC, a Goma-based NGO, he has led the deployment of sensors and surveys at 25 health facilities since 2022. He leads fundraising and partnerships with Congolese government partners, including the electricity regulators and the rural/peri-urban electrification investment promotion agency.

Dr. BUBLU Thakur-Weigold is Associate Director of the HumOSCM Lab at the Chair of Logistics Management. She supports humanitarian and commercial organizations to apply management science to improve their performance. This expertise was built over 20 years of experience in industry, after which she joined ETH as program director, lecturer, and researcher. She also advises governments on what economists refer to as Global Value Chains and Development.

Jackson M. MUGHUMA, is the Executive Director of Research Center for Humanitarian Aid" RCHA-RDC ASBL, NGO focused on Research, Assistance and Advocacy based in Goma, North Kivu Province in the Democratic Republic of Congo. He coordinated the data collection on the quality and reliability of health facilities electricity in North Kivu in collaboration with the Provincial Health Department(PDS) and the Renewable and Appropriate Energy Laboratory (RAEL UC Berkeley) since 2022.

He coordinated the pilot of on the opening up of health zones with low internet coverage in the Kongo Central Province with Dots for Inc from Japon and Orange Telecom. He was the project manager of HETA (Healthcare Electrification and Telecommunications Alliance) project pilote on Health Facility-level power and water solutions for health and climate resilience in North Kivu and Kasai Oriental Provinces project lead by RCHA-RDC ASBL, OffGridbox, RAEL UC Berkeley and DPS.

Run of show (extended)

8h00: Welcome & introductions - Sam intros around the room:

- ✓ Sandrine, AGL, GHL, ETH, Zoom…
- ✓ Explains context of what's going on in Goma (camera on, sound off):
- ✓ Jackson is leading a presentation on what it makes to locally implicate beneficiaries in the design phases of research.
- ✓ They will provide synthesis, which I will take notes on in English.
- ✓ Then I'll give my shpiel in French
- ✓ Side conversations, other introductions, (translation doc / Zoom conversation hosted by AGL), coffee & bagels

8h30 - 8h50: UC Berkeley presentation on *Power Quality, Reliability, and Mortality in North Kivu, DRC* - by Sam Miles)

- ✓ What does power quality and reliability look like across North Kivu, compared to other parts of the DRC, the continent, and the world?
- ✓ How does power quality and reliability affect mortality in the North Kivu health system?
- ✓ What is the plan to scale and how this audience can help:
- ✓ ARE-DPS pilot marks next phase of collaboration, in which we've begun developing a novel methodology for data collection and sharing;
- ✓ CS Kasika, CS Virunga, ARE-Bureau, ANSER-Bureau,
- ✓ We now need to constitute a full list of facilities, and map them against ARE's master grid typology.
- ✓ We start by bringing supportive, corrective measures through HGR, CH, and CSR sampling, paired with Power-Biomedical equipment pathway, bringing energy investment to the health sector (DPS buy-in)
- ✓ We bring state of the art regulatory accountability at the grid-level across adapted to a uniquely challenging context.
- ✓ We adopt a balanced research-implementation approach enabling cutting edge science methods to complement aggressive discovery investment (R&D) .

8h50 - 9h20: prepared Goma remarks / reflections

9h20 - 10h: Free discussion / Break

September 4, 2024

8h - Welcome & introductions

8h30 - 9h30 - ETH-Zurich interactive presentation *on Humanitarian Supply Chain: Oxygen Delivery Case Study* - by Dr. Bublu Thakur-Weigold

9h30 - 10h - Free discussion / Break