Curriculum vitae

Lukas Bouman

Address: EAWAG, Swiss Federal Institute for Environmental Science and Technology
Überlandstr. 133, CH-8600 Dübendorf, Switzerland
Tel. +41 58 765 66 91
Email: lukas.bouman@eawag.ch

Education

2019-2022 **Swiss Federal Institute of Technology in Zurich (ETH), Switzerland**
Certificate of Advanced Studies in Development and Cooperation

2015-2017 **Swiss Federal Institute of Technology in Zurich (ETH), Switzerland**
Master of Science in Environmental Engineering

2010-2014 **Swiss Federal Institute of Technology in Zurich (ETH), Switzerland**
Bachelor of Science in Environmental Sciences

Professional experience

2018 - current **Swiss Federal Institute of Aquatic Science and Technology (Eawag)**
Department of Sanitation, Water and Solid Waste for Development (Sandec),
Project officer in Research Group “Safe Water Promotion”

July - Dec 2017 **Swiss Federal Institute of Aquatic Science and Technology (Eawag)**
Department of Sanitation, Water and Solid Waste for Development (Sandec),
Civil servant in Uganda: GDM water kiosks

Spring 2016 **Uli Lippuner AG Wasserconsulting, Sargans, Switzerland**
6 months internship with projects in drinking water infrastructure.

Teaching Activities

Swiss Federal Institute of Technology (ETH) Zürich, Switzerland
Swiss Federal Institute of Technology (EPFL) Lausanne, Switzerland

Publications

Dössegger* L., A. Tournefier A., Germann L., Gärtner N., Huonder T., Etenu C., Wanyama K., Ouma H., Meierhofer R. (2021): Assessment of low-cost, non-electrically powered chlorination devices for GDM water kiosks in Eastern Uganda, Waterlines, 40:2, 92-106

*Lukas Bouman was named Lukas Dössegger before his marriage

Research activities

- Gravity-driven membrane (GDM) filtration: Evaluation of business model, dissemination of the GDM technology
- Water Flow Diagram (A tool to illustrate urban water management): Development of methodology, backstopping of different case studies, dissemination activities
- In-line chlorination: Testing different low-cost chlorination devices, monitor chlorine concentration with sensors
- Post-collection contamination: Assess strategies to reduce re-contamination risks, UVC-LEDs disinfection in jerry cans, market potential study of safe water containers