

ParisTech – KNUST workshop

WATER

Day 1: June 17, 2021

09:00 Ghana time / 11:00 Paris time

Day 2: June 24, 2021

08:00 Ghana time / 10:00 Paris time

Organised by: Dr. Adèle Bressy (Ecole des Ponts ParisTech) & Prof. Sampson Oduro-Kwarteng (KNUST)

The online scientific workshop on *Water-related topics* will take place on **Thursday 17 & 24 June 2021** between KNUST and ParisTech. This webinar aims to exchange and to initiate contacts between researchers for future collaborations. This seminar will be multi-topic and multi-disciplinary to cover the variety of interests of our institutions. Participants would be teachers and researchers from the University and from ParisTech Schools, anyone interested can attend the meeting.

Program

Day 1 - June 17, 2021: 9:00 a.m. – 11:30 a.m. in Kumasi / 11 a.m. – 1:30 p.m. in Paris

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| Opening speech, seminar presentation – F. Lelait (ParisTech) | 5 min |
| Lab presentations | |
| - KNUST labs presentation – Prof. Sampson Oduro Kwarteng | 5 min |
| - ParisTech labs presentation – Dr. Adèle Bressy | 5 min |
| Integrated water resources management | |
| - River modelling in the Seine River Basin – Dr. Nicolas Flipo (Mines ParisTech - PSL) | 15 min |
| - Integrated Water Resources Management in Ghana – The Case of the Pra River Basin - Abena Dufie Wiredu Bremang (KNUST) | 15 min |
| - Discussion | 20 min |
| <i>Pause</i> | <i>10 min</i> |
| Water utility management issues | |
| - Key Performance Indicators for Rural Water Utility Management in Ghana - Ing Worlanyo Kwadjo Siabi (KNUST) | 15 min |
| - Institutional transformation for sanitation – Dr. Marine Colon (AgroParisTech) | 15 min |
| - Water reuse and nutrient recycling – Dr. Martin Seidl, Dr. José-Frédéric Deroubaix (Ecole des Ponts ParisTech) | 15 min |
| - Discussion | 20 min |

Registration: https://zoom.us/meeting/register/tJAkdei9qz8jH9Fa9VHRB5Wucdj3Rbh_R7Am

Day 2 – June 24, 2021: 8 a.m. – 10:30 a.m. in Kumasi / 10 a.m. – 12:30 a.m. in Paris

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| Opening speech | 5 min |
| Water contamination and treatments | |
| - Analytical methodologies for the monitoring of pollutants in water – <i>Dr. Cyrine Slim, and Prof. Fethi Bedoui</i> (Chimie ParisTech - PSL) | 15 min |
| - Groundwater contamination in the Lower Volta River Basin of Ghana: sources and related human health risks – <i>Dr. Courage Egbi</i> (KNUST) | 15 min |
| - Which contaminant to follow for the protection of the resource? – <i>Dr. Adèle Bressy & Dr. José-Frédéric Deroubaix</i> (Ecole des Ponts ParisTech) | 15 min |
| - Discussion | 20 min |
| <i>Pause</i> | <i>10 min</i> |
| Monitoring, characterization and management of water resources | |
| - Water Quality and Hydrochemical Characteristics of Surface and Groundwater at the Upper Part of the Ankobra River Basin - <i>Dr. Josephine Obodai</i> (KNUST) | 15 min |
| - Monitoring of water resources by satellite remote sensing, coupled with modelling – <i>Prof. Brigitte Vincon-Leite</i> (Ecole des Ponts ParisTech) | 15 min |
| - Discussion | 20 min |
| Closing remarks and opportunity collaborations | 30 min |

Registration: https://zoom.us/meeting/register/tJwoceGgpz4vGdZ6FKQets5Nk_IK8Lvesi0E

Speakers

| Institution | Name | Position | Email address |
|-------------------------------------|------------------------------|--|--------------------------------------|
| KNUST | Prof. Sampson Oduro-Kwarteng | Head, Department of Civil Engineering and Centre Director, Regional Water and Environmental Sanitation Centre (https://rwesck.org/) | sokwarteng@gmail.com |
| KNUST | Prof. Geophrey Kwame Anornu | Sectional Head, Water Resources Section | anoprof@hotmail.com |
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| KNUST | Ing. Worlanyo Kwadjo Siabi | Researcher | wksiabi@gmail.com |
| ParisTech | Dr. Florence Lelait | General Delegate Fondation ParisTech Développement (www.paristech.fr) | florence.lelait@paristech.fr |
| Ecole des Ponts ParisTech (Leesu) | Dr. José-Frédéric Deroubaix | Researcher, Deputy Director of the joint research unit <i>Water Environment and Urban Systems</i> (www.leesu.fr) | j.deroubaix@enpc.fr |
| Ecole des Ponts ParisTech (Leesu) | Dr. Adèle Bressy | Researcher, organizer of the workshop | adele.bressy@enpc.fr |
| Ecole des Ponts ParisTech (Leesu) | Dr. Brigitte Vincon-Leite | Senior Researcher | b.vincon-leite@enpc.fr |
| Ecole des Ponts ParisTech (Leesu) | Dr. Martin Seidl | Researcher | martin.seidl@enpc.fr |
| AgroParisTech (G-Eau) | Dr. Marine Colon | Associate Professor in the joint research unit <i>Water management, Actors, Territories</i> (www.g-eau.fr/index.php/en/) | marine.colon@agroparistech.fr |
| Chimie ParisTech - PSL (i-CLEHS) | Dr. Fethi Bedioui | Senior Researcher in the <i>Institute of Chemistry for Life and Health Sciences</i> (https://iclehs.fr/research/seisad/) Head of the International Program Office | fethi.bedioui@chimieparistech.psl.eu |
| Chimie ParisTech - PSL (i-CLEHS) | Dr. Cyrine Slim | Associate Professor | cyrine.slim@chimieparistech.psl.eu |
| Mines ParisTech - PSL (Geosciences) | Dr. Nicolas Flipo | Researcher, Head of the team <i>Hydrologic systems & reservoirs</i> in the Geosciences department (www.geosciences.minesparis.psl.eu/en/presentation/hydrologic-systems-and-reservoirs/) | nicolas.flipo@mines-paristech.fr |