

## Session Program

25-29 Sept 2023



## 9th FRIEND-Water Global Conference 2023 | Université Cheikh Anta Diop, Dakar

### ***ST5 | Large rivers management***

Faculté de Médecine, Université Cheikh Anta Diop, Dakar, Senegal

## Tuesday 26 September

11:30

### ST5 | Large rivers management: Supporting shared water uses in large & transboundary basins

**Session** | **Location:** Room 2 | **Conveners:** Alioune KANE, Andrew Ogilvie, Awa Niang FALL, Ansoumana BODIAN

11:45-12:00

#### Use of reanalysis data to estimate water requirements of major crops in the Senegal River Delta

**Speaker**

Adja Salamata GASSAMA

12:00-12:15

#### Vulnerability of surface water bodies and development of irrigated agriculture: assessment of the ecological quality of the Guiers lake (Senegal)

**Speaker**

Hikimat SAADI

12:15-12:30

#### Exploring the “Water-Energy-Food-Ecosystems” nexus in the Senegal river basin: an approach combining participatory workshops and hydroeconomic modelling

**Speaker**

Laura SEGUIN

12:30-12:45

#### Assessing hydrological processes and water uses beyond official data in Africa: examples from the Senegal River Basin

**Speaker**

Laurent BRUCKMANN

12:45-13:00

#### Availability of water resources in the Bango reserve under the anti-salt dam of Diama in the Senegal River delta

**Speaker**

Madina BA

13:00

14:30

### ST5 | Large rivers management: Supporting shared water uses in large & transboundary basins

**Session** | **Location:** Room 2 | **Conveners:** Alioune KANE, Ansoumana BODIAN, Awa Niang FALL, Andrew Ogilvie

14:30-14:45

#### Opportunities for the Agrarian Dynamics in the West African Floodplains

**Speaker**

Aymar BOSSA

14:45-15:00

#### Impact of infrastructures on inland water presence within the senegal river basin using gis techniques

**Speaker**

Mbayang THIAM

15:00-15:15

**Women in transboundary water conflict resolution in the Nile basin: a comparative study between Migingo islands in Kenya and Kagera River in Rwanda.**

**Speaker**

Zipporah MUREITHI

15:15-15:30

**The impact of climate variability on water resources in the Lac de Guiers area**

**Speaker**

Matar SYLLA

15:30-15:45

**Pesticides residues accumulation in freshwater and fish in the Guiers Lake basin: Risks for Senegal's strategic water reservoir**

**Speaker**

Alousseynou BAH

16:00

16:30

## ST5 | Large rivers management: Sediment presence & transport in large basins

**Session** | **Location:** Room 2 | **Conveners:** Alioune KANE, Awa Niang FALL, Ansoumana BODIAN, Andrew Ogilvie

16:30-16:45

**The International Sediment Initiative (ISI) and its Case Studies on Sediment Management in River Basins**

**Speaker**

Cheng LIU

17:00-17:15

**Evolution of rainfall maximum discharge and solid transport in northern Algeria**

**Speaker**

Faiza HALLOUZ

17:15-17:30

**First assessment of dissolved and particulate matter biogeochemistry of the Kasai River**

**Speaker**

José NLANDU WABAKANGHANZI

17:30-17:45

**Risks of overflow and salinization of the marigot of Mbao (Senegal) and their impacts on socio-economic activities.**

**Speaker**

Saidou NDAO

17:45-18:00

**Evaluating the Impact of Climate Variability and Anthropogenic Activities on Streamflow Condition in Large River Basin using Budyko-based Functions**

**Speaker**

Sabab Ali SHAH

18:00

## Wednesday 27 September

11:00

### ST5 | Large rivers management: Exploring hydroclimatic variability in large basins

**Session** | **Location:** Amphitheatre | **Conveners:**  
Andrew Ogilvie, Alioune KANE, Ansoumana BODIAN, Awa Niang FALL

11:00-11:15

#### Variability of the Senegal River floodplain under climate change scenarios

**Speaker**

Andrew Ogilvie

11:15-11:30

#### Sensitivity of the GR4J model to different estimating methods of potential evapotranspiration

**Speaker**

Ansoumana BODIAN

11:30-11:45

#### Satellite-based Rainfall Estimates to Simulate Daily Streamflow Using a Hydrological Model over Gambia Watershed

**Speaker**

Bakary FATY

11:45-12:00

#### Open earth observation data for water accounting in large river basins: case of the Volta River basin in West Africa

**Speaker**

Moctar DEMBELE

12:00-12:15

#### The great Niaye of Pikine (Dakar): water management in chronic uncertainty

**Speaker**

Mouhamed DANGOURA

12:15-12:30

#### Projected changes in the rainfall annual cycle over the Senegal River Basin using CMIP5 bias-corrected simulations

**Speaker**

Moussa DIAKHATE

12:30-12:45

#### Effect of the SWATPLUS input parameters on the modeling of the Senegal River flow at the Bafing - Bakoye - Faleme

**Speaker**

Mousse Landing SANE

12:45-13:00

#### First approaches for the development of the SWAT model in the Senegal River Basin

**Speaker**

Abou DIA

13:00-13:15

**Transboundary basins: Governance and cooperation among African States**

**Speaker**

Adeyemi OLUSOLA

13:15