

Session Program

25-29 Sept 2023



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

ST5 | Large rivers management

Université Cheikh Anta Diop, Dakar, Senegal, Institut Confucius

Tuesday 26 September

11:30

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

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

15:45-16:00

Improvement of the classical water balance equation: case study of the Tabular Middle Atlas

Speaker

Yassine HAMMOUD

16:00

16:30

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

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

16:30-16:45

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

Speaker

Cheng LIU

16:45-17:00

Dynamics of flow in a highly anthropized watershed: application to the coastal basin of the Somone for water resource management and planning

Speaker

Mamadou KANE

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:**

Alioune KANE, Ansoumana BODIAN, Awa Niang FALL, Andrew OGILVIE

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 influence of climate change on the spatial distribution of precipitation in the basin of the Transboundary Zeravshan River Basin in Central Asia and the formation of the river Runoff

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