

Session Program

25-29 Sept 2023



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

ST4 | Spatial hydrology

Université Cheikh Anta Diop, Dakar, Senegal, Institut Confucius

Wednesday 27 September

14:30

ST4 | Spatial hydrology: Innovative observation technologies

Session | **Location:** Amphitheatre | **Conveners:** Santiago YEPEZ, Fernand KOUAME, Raphael TSHIMANGA

14:30-14:45

Apport des outils spatiaux dans la compréhension de paramètres hydrologiques dans le bassin versant Djiguimar

Speaker

Abdoulaye FATY

14:45-15:00

*Application of remote sensing to water quality parameters over lakes using time series from Sentinel-2 and Landsat-8/9. Study case: laguna grande - bíobio - chile

Speaker

Santiago YEPEZ

15:00-15:15

Satellite-based monthly surface water storage database for the Congo basin from 1992-2015

Speaker

Benjamin KITAMBO

15:15-15:30

Characterization of flooding in the Mono basin with the HEC RAS model

Speaker

Ernest AMOUSSOU

15:30-15:45

Flood risk management and local development in the Dyonkoto - Boubon strip in Niger: remote sensing approach

Speaker

Hadiza KIARI FOUGOU

15:45-16:00

*Modeling freshwater discharge of poorly monitored African rivers using remote sensing-based land surface model

Speaker

Komlavi AKPOTI

16:00

16:30

ST4 | Spatial hydrology: Innovative observation technologies

Session | **Location:** Amphitheatre | **Conveners:** Raphael TSHIMANGA, Santiago YEPEZ, Fernand KOUAME

16:30-16:45

Harnessing spatial patterns of satellite data for multivariate hydrological model calibration

Speaker

Moctar DEMBELE

16:45-17:00

Contribution of remote sensing to flood hazard mapping in the Riviera-Bonoumin watershed in the District of Abidjan (Ivory Coast)

Speaker

Bi Vami Hermann N'GUESSAN

17:00-17:15

Evaluation of global gridded rainfall products in the main hydrosystems of Senegal: Casamance - Gambia - Senegal

Speaker

Omar GOUDIABY

17:15-17:30

Analysis of the performance of satellite products for estimating evapotranspiration in the Senegal River Delta

Speaker

Papa Malick NDIAYE

17:30-17:45

Groundwater Potential Zone mapping using Geographical informationsystem by Fuzzy- Analytic Hierarchy Process in humid area: case study (Ghar El Melh (North Eastern of Tunisia))

Speaker

Amal KOUAIED

17:45-18:00

Groundwater Recharge Zone Mapping Using GIS-based Multi-Criteria Evaluation and Analytical Hierarchy Process: A Case Study of Trarza Aquifer (Mauritania)

Speaker

Aguibou BA

18:00