

Kueshi Sémanou Dahan (PhD)

Position: Associate Researcher
Working Group "Development-oriented International Agricultural Research"



Academic education and scientific degrees

- Sept/2020 – April/2024 PhD (Environmental management and sustainability/ Faculty of Natural Resources and Environment) at WACWISA/UDS (West African Centre for Water, Irrigation and Sustainable Agriculture - University for Development Studies)
- Oct/2019 – March/2020 Master at CEA-CCBAD (African Excellence Center for Climate Change, Biodiversity and Sustainable Agriculture) of Felix Houphouet Boigny University
- Oct/2018 – July/2019 Master (1) in plant biology at Felix Houphouet Boigny University
- Oct/2009 – Aug/2016 Bachelor and Master in Physical Geography (University of Abomey Calavi)

Professional experience

- Since 01/2024 Associate Researcher at Leibniz Centre for Agricultural Landscape Research (ZALF), Eberswalder Straße 84, 15374 Müncheberg, Germany
- Since 05/2023 Mentorship programme (as a mentor) with One Planet Fellowship Programme
- 04/2022 – 04/2022 Symposium and the 20th International Conference on Private Higher Education in Africa (Addis-Ababa) (HEFAALA)
- 11/2019 – 11/2019 Participation in the FRIEND-AOC regional workshop on the use and valorization of spatial hydrometeorological data: methods of bias correction and downscaling at the Research and Innovation Cluster of Félix Houphoët Boigny University
- 10/2013 – 10/2016 Technical Assistant in SIG-Carto-Environment the consulting firm (Geographic Information System), digital mapping, satellite imagery, environmental expertise, and statistics applied
- 10/2013 – 10/2016 Responsible for geodesy field data collection and information to create the Digital Field Model (DFM) in Benin
- 10/2016 – 10/2016 Youth responsible for the subregional workshop organized by Oxfam Quebec on active citizenship and youth employment (West Africa)
- 04/2013 – 04/2013 Consultant on food security and economic empowerment programs at Oxfam Quebec in Benin

Research Profile

Background

- Environment management, natural resource management, remote sensing, GIS (Geographic Information Systems), and Geostatistics
- Climate data and socio-economic data processing and modelling
- Forestry data processing
- Spatial data analysis: satellite image processing, use of modern machine learning tools such as Google Earth Engine, R, Python and Java languages

Research Activities

- Forest landscape degradation assessment
- Land Use Land Cover (LULC) degradation intensity analysis.
- Wildfire contribution to natural resources degradation assessment
- Climate change and modelling

Functions and memberships

Since 10/2022	International Association of Wildland Fire
Since 10/2022	International Society of Tropical Foresters
Since 10/2019	IRDR Young Scientists Programme (Integrated Disaster Risk Research)

Awards

10/2021 – 10/2021	Nominated as Green Climate Ambassadors for Africa by Climate Change Africa Opportunities
11/2022 – 11/2022	Award: Second prize received as One Planet Fellowship for registration in a professional association for three years
01/2022 – 09/2022	Climate Ambassador (Global Youth Climate Network - GYCN, World Bank's Youth-to-Youth Community)

Websites

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