Dr. KABLAN Malan Ketcha Armand

Lecturer & Researcher | Specialist in Climate Risk, Sanitation, and Environmental Management

Université Félix Houphouet-Boigny (UFHB)/ Swiss Centre for Scientific Research in Côte d'Ivoire (CSRS)

kablan.malan@yahoo.fr / malan.kablan84@ufhb.edu.ci (+225) 07 083 090 85 / 01 026 800 55

PROFESSIONAL SUMMARY

Dr. Armand Kablan is a Climate Risk and Sanitation Specialist with more than 12 years of experience in climate vulnerability assessment, vulnerability assessment, environmental impact studies, and disaster risk management across Sub-Saharan Africa.

He has worked as a consultant for international organizations such as GGGI, CTCN, AfDB, IOM, and GFA, contributing to Côte d'Ivoire's Technology Needs Assessment (TNA) and Technology Action Plan (TAP).

PROFESSIONAL EXPERIENCE

National Consultant for "*Analysis of current and future climate risks and impacts on sanitation services at the city-scale" in Côte d'Ivoire.* Project financed by Global Green Growth Institute (**GGGI**) in collaboration with the Ministry of Water, Sanitation and Hygiene (**MINHAS**).

Application Development with **Artificial Intelligent (AI)**. I developed many applications like "KBCard" which is a digital business card management platform whose main goal is to simplify and modernize the sharing of professional information while reducing the use of paper.

Expert Consultant in water resources management and disaster risk in the context of updating **Côte d'Ivoire's Technology Needs Assessment (TNA)** and **development of the Technology Action Plan (TPA)**. *Projet financed by the **CTCN** under the supervision of the Ministry of the Environment, Sustainable Development and Ecological Transition (**MINEDDTE**), **May 2024 to December 2024**.*

Regional Program Assistant of the Inclusive Sanitation Capacity Hub (ISC-Hub), in charge of assisting the Executive Director and the Project Manager in the execution of their tasks, ***November 2022 to 2024.***

National Consultant for *"**assessing the relevance of the recommendations of the CADRI partnership**"* in the context of the assessment of Côte d'Ivoire's national capacities in terms **of risk reduction and disaster management (DRR), *October 2023 to December 2023***. Project financed by the International Organization for Migration (IOM).

Consultant for GFA**,** as part of the "Water and Energy for Food (WE4F)" project, in charge of the Environmental Impact Assessment of innovations in Côte d'Ivoire and the sub-region (Ghana, Mali, Burkina Faso and Niger). This consultancy required consultation of technology holders at regional level ***December 2022 and July 2023.***

Establishment of a Flood Early Warning System for the project "Improvement of the Abidjan Urban Flood Early Warning System Based on Thresholds and New Information and Communication Technologies", funded by DAAD (Germany), ***February 2020 to January 2022.***

Consultant in risk reduction and disaster management for ***mapping the vulnerability of urban populations to floods and integration into the geospatial tool of the early warning system*** within the

framework of the project " **Assessment-forecasting and resilience of the populations of Cocody to flood risks by geospatial approach** ". Project financed by the African Development Bank **(AfDB)**, ***from August 2019 to January 2020.***

Lecturer-Researcher at the University Félix Houphouet-Boigny (UFHB), ***since February 2018***.

QUALIFICATIONS AND TRAINING

Professional Hacking Training (Python, AI, CCNA, CEH, App Development), NYS-AFRICA, Abidjan.

Ph.D. in Hydrology, Option: Environmental and Sanitation Engineering, 2013-2017. Theme: ***Vulnerability and adaptation of urban populations to the effects of climatic variations (temperature and rainfall): analysis of the situation in the commune of Cocody, Abidjan, Côte d'Ivoire.***

Master's Degree in Climate Change and Human Security, 2012-2014. Theme: ***Land use dynamics and vulnerability of urban populations to climate change: The case of the commune of Cocody, Abidjan, Côte d'Ivoire***.

D.E.A. in Hydrology. Option: Environmental and Sanitation Engineering, 2009-2011. Theme: ***Characterization of the metal pollution of coastal hydro-systems in Côte d'Ivoire: analysis of the situation of the Ono lagoon, sub-prefecture of Bonoua***.

Internship at the National Disaster Management Centre of Ghana (NADMO, Accra, Ghana) on " ***Disaster Risk Reduction, Emergency Response****", 23 July - 29 July 2013*

RESEARCH GRANT

1. ***Threshold and new information and communication technologies based improvement of early warning system related to the urban flood in Abidjan***
   Deutscher Akademischer Austauschdienst (DAAD) (Bonn, DE), GRANT_NUMBER: ST32/ 91769449
2. ***Evaluation-prevision et resilience des populations de Cocody aux risques d'inondation par approche geospatiale***
   African Development Bank Group (Abidjan, CI)
3. ***Artificial Intelligence for Community-Based Flood Forecasting in Abidjan*** (AI-FLOOD-CIV)**.** Proposal submitted to ARIN–IDRC Fellowship Program:

SELECTED PUBICATIONS

Kablan M.K.A. (2022). Vulnerability to flood and heat in Côte d'Ivoire. In *Protecting Human Health against Climate Change in Africa.* D. Caussy, Ed. Network of African Science Academies (NASAC) and InterAcademy Partnership (IAP). ISBN 979-89859206-1-1. NASAC (2022).

Ouattara ZA, **Kablan AKM**, Gahi NZ, Ndouffou V, Dongo K (2021). Analysis of anthropogenic factors and health risks associated with flooding by overflow of a drainage canal in Abidjan. About health risk; 20 : 467-482. DOI : 10.1684/ers.2021.1583

Gadedjisso-Tossou, A., Adjegan, K.I., **Kablan, A.K.M. (2021).** Rainfall and Temperature Trend Analysis by Mann–Kendall Test and Significance for Rainfed Cereal Yields in Northern Togo. Sci 2021, 3, 17. https://doi.org/10.3390/sci3010017

Z.N. Gahi, **M.K.A. Kablan**, O.J.G. Kpan, K. Dongo and M. Badolo. (2020). Analysis of Stakeholder Perceptions and Practices Related to Climate Change Adaptation in Burkina Faso. African Crop Science Journal 28(4) : 543 – 553. DOI : https://dx.doi.org/10.4314/acsj.v28i4.5

KABLAN M.K.A., DONGO K., FOKOU G., COULIBALY M. (2019). Assessing population perception and socioeconomic impact related to flood episodes in urban Côte d'Ivoire. Int. J. Biol. Chem. Sci. 13(4): 2210-2223. DOI: https://dx.doi.org/10.4314/ijbcs.v13i4.26

Dongo K., **Kablan M. K. A**., Kouamé K.F. (2018) Mapping urban residents' vulnerability to heat in Abidjan, Côte d'Ivoire. Climate and Development, vol. 10, No. 7, 600-613. DOI: 10.1080/17565529.2018.1450213

Kablan M. K. A., Dongo K., Coulibaly M. (2017) Assessing social vulnerability to flood in urban Côte d'Ivoire using the MOVE framework. Water 9, 292. DOI: https://doi.org/10.3390/w9040292

Kablan M.K.A. (2014). The Dynamics of Urban Land Cover and Residents' Vulnerability to Climate Change: A Case Study of Cocody, Abidjan, Côte d'Ivoire. Master Thesis, WASCAL-Lomé. https://www.wascal-togo.org/public/images/publication/WASCAL-25022021115713-KABLAN-Final-doc.pdf

TECHNICAL SKILLS

Programming: Python (intermediate), AI/ML tools, app development
Platforms: Supabase, React.js (used in KBCard)**,** GitHub
Software: ArcGIS, QGIS, SPSS, XLSTAT
AI Tools, Bolt.new, ElevenLabs, ChatGPT, Claude.AI, Runway,

Languages: Advanced English (Reading, listening, speaking and writing), Fluent in French (French), Basic German.

Geospatial Analysis: Mapping Urban vulnerabilities to Climate Impacts

Country experience: Sub-Saharan Africa (Côte d'Ivoire, Burkina Faso, Ghana, Togo, Benin, Mali, South Africa), South America (Brazil), Europe (Germany) and Asia (China)

REFERENCES

Available upon request. Key references include:

1. Prof. Dongo Kouassi – UFHB/CSRS (kdongo8@gmail.com)
2. Dr. Zégbé Narcisse GAHI – GGGI (zegbe.gahi@gggi.org)
3. Boignini Serge Alain – PN-RRC (alainsergeboignini@gmail.com)
4. Gbegbo Fulgence – Cabinet CSI (fgbegbo@cabinetcsi.com)

I hereby declare that the information contained in this CV is accurate and truthfully reflects my background and qualifications.

Dr. Armand Kablan