

Selected Proposals for AI

S/N	Principal Investigator	Gender	Country of Residence	Proposal Title	Thematic Area	Contact and Phone
1	Chika Yinka-Banjo	Female	Nigeria	Assessing impact of climate change or variability on the emergence of new plant diseases and development of innovative mobile application for control	Assessment of impacts of climate change and adaptation practices using AI	University of Lagos, Department of Computer Sciences cyinkabanjo@unilag.edu.ng Tel - +2348033424289
2	John Makokha	Male	Kenya	Use of Smart Technology to Predict Climate Change Effects on Terrestrial Plants Diversity and Conservation for Sustainable Livelihood in North-Rift Region, Kenya	Climate change and biodiversity	Kibabii University, Department of Science Technology and Engineering, P.O. BOX 1699-50200, BUNGOMA, KENYA. makokhajw@kibu.ac.ke +254721825520
3	Cyril Dziedzorm Boateng	Male	Ghana	RAGA: An Artificial Intelligence Based System for Predicting Groundwater Availability	Climate change and water resources	Department of Physics College of Science Kwame Nkrumah University of Science and Technology (KNUST) cyrilboat@knust.edu.gh Phone: (+233)559580392
4	Dr. Derek Ajesam Asoh	Male	Cameroon	Artificial Intelligence and Machine Learning for Modelling Climate Change, Landscape Dynamics, and Improving Renewable Energy Technologies for Environmental Care in the Congo Basin.	Climate change, landscapes and renewable energy	Department of Electrical and Electronic Engineering, National Higher Polytechnic Institute (NAHPI), The University of Bamenda, Cameroon Email: derekasoh@gmail.com / derekasoh@uniba.cm Tel: +237-673 50 77 57
5	Dr Ing. Judith Leo	Female	Tanzania	Towards sustainable carbon-neutrality and climate-resilient green growth development: Using AI in Tanzania	Climate smart agriculture	Dr. Ing. Judith Leo, The Nelson Mandela African Institution of Science and Engineering (NM-AIST), School of Computational and Communication Science and Engineering (CoCSE), P. O. Box 447, Arusha, Tanzania, +255 652 647 046,

						judith.leo@nm-aist.ac.tz and judithleoherman@gmail.com.
6	Assoc. Prof. Eng. Isa Kabenge	Male	Uganda	Leveraging AI for real-time cattle counting and management system indexing using UAV Videos and images for estimation of GHG emissions (LAIRG)	Emission of greenhouse gases	Makerere University, P.O. Box 7062, Kampala (Uganda) Email address: isakabenge@gmail.com Telephone (WhatsApp): +256-772-377-172
7	Dr. Mekonnen Adnew Degefu	Male	Ethiopia	Bridging critical gaps in relative humidity data to enhance climate science and services in Ethiopia: The case of Awash River Basin	Predicting climate hazards and disasters through improved climate modelling	Department of Geography & Environmental Studies Debre Marks P. O. Box: 269 Email:mekonnenadnew@yahoo.com Tel. +251911349728
8	Dr. Catherine Mulinde	Female	Uganda	Modeling land productivity and crop yields under changing climate and land use management using Artificial Intelligence in Lake Kyoga basin, Uganda	Responsible Artificial Intelligence and climate science	Department of Geography, Geo-informatics and Climatic Sciences, Makerere University P. O. Box 7062, Kampala, Uganda catherinekafeero@gmail.com catherine.mulinde@mak.ac.ug Tel/WhatsApp: +256 702 789305
9	Associate Prof ADANDE BELARMAIN FANDOHAN	Male	Benin	Development of an artificial intelligence assisted framework for assessing the vulnerability to climate change of mangrove ecosystems in West Africa: application on Benin coastal mangroves	Climate change and biodiversity	Tropicale, Université Nationale d'Agriculture, BP 43 Kétou, République du Bénin Email : bfandohan@gmail.com / bfandohan@gouv.bj Whatsapp: +22995414726
10	Olusanya Elisa Olubusoye	Female	Nigeria	Modelling Grid Electricity Demand using Artificial Intelligence	Climate change, landscapes and renewable energy	Econometric/Energy Modeling and Simulation, Big Data Analytics busoye2001@yahoo.com

11	Dr. Salomon OBAHOUNDJE	Male	Côte d'Ivoire	Climate change and land use land cover dynamics impacts on hydropower generation and consequences on electricity supply in West Africa using Ensemble machine learning Algorithm	Climate change, landscapes and renewable energy	Laboratoire Mixte International (LMI-NEXUS), Université Félix Houphouët Boigny, Côte d'Ivoire obahoundjes@yahoo.com WhatsApp : +225-0142114428
----	------------------------------	------	------------------	--	---	--