

IMPACT OF CLIMATE CHANGE AND THE ASSOCIATED DISASTER RISK REDUCTION EFFORTS IN URBAN COMMUNITIES OF GHANA - A REVIEW

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The ever-increasing frequency and magnitude of natural and human induced disasters, urban population growth and low coping capacities, are responsible for greater disaster vulnerabilities, among various communities in the world. An overwhelming research and scientific census maintains that climate change is human induced by the use of fossil fuels, which emits greenhouse gasses into the atmosphere and other human activities, such as agriculture and deforestation. These interlinked challenges promote the risk of disasters, and threatens sustainable development. Climate change is a priority given that almost 90% of recorded major disasters are caused by natural and anthropogenic hazards from 1995 to 2015 were linked to climate change back lashes. This paper examined how the fields of Disaster Risk Reduction and Climate Change Adoption have contributed to the understanding of how urban settlements are responding to climate change risks, exposures and hazard impacts. This article concludes that, the integration of agreements including the Kyoto Protocol, the Hyogo and Sendai Frameworks into Ghana's institutional setting has been very challenging in terms of creating a national risk reduction policy and recommends that collaboration among the key emergency planning institutions are upheld.

Biography

Benjamin Osafo Carlis-Paittoo was born on October 6, 1968, in the Nkawkwah-Kwahu. He attended the St. Peter's High school after obtaining the 'O' levels in the year 1982. He was enlisted into the Ghana National Fire Service (GNFS) in November 1992 and, subsequently, passed out in July 1993. Benjamin O. Carlis-Paittoo is lecturer for the BSc. (Fire and Disaster Management) programmer at the Department of Environmental Management – University of Energy and Natural Resources, Sunyani, Ghana. He holds a Post-Graduate Diploma in Occupational Safety, Health and Environment (Ghana Institute of Management and Public Administration, GIMPA), MA (Environmental Management and Policy, University of Cape-Coast), MSc. (Economics of Technology and Development, UCC) with research thesis on Biotechnology and Genetically Modified Foods, also MSc. (Disaster Management, UCC) and MPH (Public Health, Kwame Nkrumah University of Science and Technology, KNUST) with in-depth research into Injury Control and Disabilities. He won the prestigious Forgyat-Quartey Fellowship Award in 2012 to pursue the Public Health programmer. He holds the Post Chartered Diploma in Forensic Audit from the Chartered Institute of Accountants, Ghana.

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