

Emmanuel Tachie-Obeng

Title: Senior Programme Officer, Environmental Protection Agency, Ghana

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Education

B.Sc. 1995 University of Science & Technology Ghana, Natural Resources Management
M.Sc. 1999 University of Oxford England, Forestry and its Relation to Land Use
PhD 2007- University of Ghana/Pennsylvania State University, Climate Change Adaptation

Awards

1998 Lloyds Scholar, Linacre College University of Oxford, UK
2009/2010 Africa Climate Change Doctoral Research Fellow, START ACCFP

Professional Experience and Achievements

2004 Coordinator, Spatially Explicit Modeling of Soil Organic Carbon (SEMSOC) EPA/EROS
2004 Ghana Representative, Agro-ecological zones and land use land cover trends EPA/USGS
2004 National Representative, Africover Programme, EPA/FAO
2005 Team Leader, National survey for implementation of Article 6 of the UNFCCC
2006 Visiting Scientist, Carbon Modeling and African Atlas on Changing Environment, EROS
2008 Consultant, Climate vulnerability to forests, CIFOR, West Africa
2008 Consultant, Improving quality of Greenhouse Gas inventories of LULUCF/ UNDP
2008 Consultant, Restoration of GH/CI Black Volta River Basin GEF/UNEP Project.

Area of specialization and Research/Support Responsibilities

I have major expertise in modeling scenarios to climate variability and climate change, developing effective mitigation and adaptation strategies for natural resources and food security in Africa. Integrating land use land cover mapping, carbon biogeochemical modeling, climate and soil productivity profiles in geographic information systems, environmental impact assessment to monitor ecosystem dynamics, assess vulnerability of natural resources to climate impacts for early warning and sustainable development.

Significant Recent Publications

- i. Tan, Z., Tieszen, L.L., Tachie-Obeng, E., Liu, S., and Dieye, A.M., 2008a, Historical and simulated ecosystem carbon dynamics in Ghana—land use, management, and climate: Biogeosciences Discussions, <http://www.biogeosciences>
- ii. Tan, Z., Tieszen, L.L., Tachie-Obeng, E., Liu, S., and Dieye, A.M., 2008b, Dynamics of terrestrial carbon stocks driven by changes in land use, management and climate in Ghana: Biogeosciences <http://www.biogeosciences>
- iii. Tan, Z., Tieszen, L.L., Tachie-Obeng, E., Liu, S., and Dieye, A.M., 2009, Ecosystem carbon budgets and crop yields in response to projected changes in climate and nitrogen fertilization in an African savanna Biogeosciences <http://www.biogeosciences>