

Amadou M. DIEYE

Title: Visiting scientist

U.S. Geological Survey Center for Earth Resources Observation and Science (EROS)

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Education and/or Training

M.A. GIS and International Development 1998/1999 Clark University (MA)

Ph.D. 2009/2010 (in progress) – South Dakota State University

Professional Experience

1990 – Head of Geomatic Department, Ecological Monitoring Center (CSE Dakar – Senegal)

2005 – Graduate Research Assistant, South Dakota State University

Award NASA Earth and Space Science Fellowship (NESSF) 2007-2009

Areas of Specialization and Research/Support Responsibilities

Amadou M. DIEYE research interests include use of remote sensing and GIS techniques for natural resources monitoring, mapping land use and land cover change, and the relationship between climate change and land cover land use in semi-arid to sub-humid West Africa. He is working towards a Ph.D. in Geospatial Science & Engineering with a focus on the effects of land management and climate change on carbon stocks and has been awarded a NASA Earth and Space Science Ph.D. Fellowship (NESSF07) for a proposal titled, "*Land Cover Land Use Change and Soil Organic Carbon Under Climate Variability in Semi-Arid to Sub-Humid West African Sahel (1975-2050)*"

Professional Activities and/or Memberships

AAG, APRS, EIS-Africa, AARSE-Africa, and others

Significant Recent Publications

Tan, Z., Tieszen, L. L., Tachie-Obeng, E., Liu, S., and Dieye, A. M.: Historical and simulated ecosystem carbon dynamics in Ghana: land use, management, and climate, *Biogeosciences*, 6, 45-58, 2009.