

CURRICULUM VITAE OF GUETCHINE GASPARD

CONTACT INFORMATION AND PROFESSIONAL AFFILIATION

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I. EDUCATION

PhD. Geography. University of Kentucky, KY, USA. Expected 2020

MS: Geography and Environmental Resources. Southern Illinois University. IL, USA, 2011-13.

BS: Agronomy & Environmental Engineering. Faculty of Agronomy and Veterinary Medicine, State University of Haiti (FAMV-UEH). 2001-2006

Graduate certificate. Digital Mapping. University of Kentucky expected 2020.

Certificate/non-degree. Center of English as a Second Language. Southern Illinois University Carbondale, IL, USA. 5/11-8/11

II. PUBLICATION AND CREATIVE WORKS

Residual Spatial autocorrelation in biogeographical and ecological modeling. *Progress in Physical Geography.* Submitted.

FLOOD LOSS ESTIMATE MODEL: Recasting Flood Disaster Assessment and Mitigation for Haiti, the case of Gonaives. *Editing house: LAP LAMBERT Academic Publishing.* Book ISBN: 978-3-659-52965-8/. 2014. Co-author: Oyana, T.J.

Flood loss estimate model: recasting flood disaster assessment and mitigation for Haiti, the case of Gonaives. *A Thesis Submitted in Partial Fulfillment of the Requirements for the MS, Southern Illinois University Carbondale.* 2013.

Spatial Modeling for Soil Erosion Assessment in the Palouse Region, Washington, Idaho. *Department of Geography. University of Kentucky.* 2012. Co-author: Cannon, C.

Supervised Land Cover Classification of Cook County, Illinois. *Department of Geography. University of Kentucky.* 2012. With Devenport, E. & Wendel, R.

Le bambou (*Bambusa vulgaris*) dans la commune de Marmelade: Croissance, Exploitation et Protection de l'environnement, *mémoire d'ingénieur-agronome, State University of Haiti (FAMV-UEH).* 2007, Damien, 45 p.

III. WORK EXPERIENCE

TEACHING, MENTORING AND INTERNSHIP

Teaching & Research Assistant. Geography. **University of Kentucky**, KY, USA 8/16 – 5/20

- Conduct research on spatial autocorrelation modeling in Biogeography, ecology, geomorphology
- Assist instructor, grade assignments and keep office hours

Indexing Assistant. Oral History Center/University of Kentucky. 2/17-8/17; 6/18- 8/18

Index oral interviews, transcribe, and translate them from French and Creole into English using OHMS search system.

Research Advisor. University for New Grand'Anse (UNOGA), Haiti. 2014-2016

Help finishing students design research and write their theses.

Professor. University of Jeremy. Haiti, 8/2015 - 9/2015

Teach plant physiology, zootechnics and zoology undergraduate level students

Lecturer and Tutor. Haiti. 2008, 2009

Teach and tutor English, Spanish, Physics, French, Maths, and Chemistry and Writing techniques to High school undergraduate level students

GIS Intern. City Planning of Carbondale, IL, USA. 2012.

- Collected traffic signs retroreflectivity
- Performed spatial and statistical analyses in ArcGIS, AutodeskCAD and Excel,
- Reported the results with relevant recommendations

MANAGERIAL POSITIONS

Program Manager. Association of Mayors (AMAGA) / Nantes Métropole. 02 /14 – 08/16.

Water, sanitation, waste and risks management Program

- Conducted surveys, interviews, diagnosis
- Designed and elaborated program documents
- Managed three projects on behalf of AMAGA and its partners
- Represented AMAGA in Dschang (Cameroon), Nantes (France), Kindia (Guinea-Conakry)
- Provided expertise to city mayors and staffs

Program Manager. Concert-Action, Haiti. November 2010-May 2011

- Produced and distributed fruit-forest plantlets and vegetables
- Reforested eroded, bare and lands

- Trained farmers on farming and conservation techniques
- Supervised projects personnel, managed budgets, monitored activities and prepared progress reports.

Training Manager. CARE-Haiti, Haiti. May 2008- December 2009

- Established and trained associations on micro-savings and loans (VSLA)
- Trained field agents on VSLA approach
- Produced progress reports of project activities.

Coordinator. (IFOS): Training Institute from South / Ministry of Education (MENFP) /World Bank. 10/2015 - 12/2015

- Coordinated a survey and interviews based on the EGRA (Early Grade Reading Assessment) methodology
- Supervised seven teams of 7 people including a team leader
- Planned, monitored and prepared reports of the activities

CONSULTANCIES

Consultant. Association of Mayors (AMAGA). Haiti. 04-05/15

Quantitative Evaluation of a project which included training of technicians on how to conduct surveys and interviews. Once collected, the data were processed, treated, analyzed and reported.

Consultant. New Grand'Anse Foundation /Lutheran World Federation. Haiti. 2014.

Training on risk and disaster reduction with focus on the national risk and disaster management system, National Early Warning System and on climate change. I also created and strengthened local early warning units.

Interpreter/co-lecturer. University of Jeremy (UJ). October 12-15, 2015

Interpret and co-lecture with U.S. Scholar a seminar on "Ecosystem Management Concepts in Agriculture" for Graduate students.

Consultant. Lutheran World Federation (LWF). Gressier, Haïti, 2013.

Gathering data on sanitation, water, hygiene, waste management according to CAP (Knowledge, Attitudes and Practices) approach for analysis and report

Translation. CARE-Haïti/ UNDP. Haïti. 2007/2015

Translating baseline diagnosis and project documents from French into English as well as checking the accuracy of previous translations.

Interpreter. Carbondale Memorial Hospital/Boys and Girls, Carbondale, IL, 2013.

Interpret for French speaking patients and Medical personnel

IV. RESEARCH

A-Interests and specialties

- GIS-based spatial modeling for various ecological systems and natural resources
- Implications of spatial autocorrelation for spatial modeling outcomes
- Spatial Environmental modeling
- Spatial Statistics and Analysis
- *Pattern Recognition*
- *Geographic Information Systems (GIS), Geographic Information Science, Geovisual Analytics, Visualization and Cartographic Design*

B-Current project

- Identify spatial and temporal patterns in natural resources distribution
- Recognize the driving factors of such patterns in natural processes
- Develop spatial and temporal models describing ecological dynamics

V. ACADEMIC ACHIEVEMENTS, HONORS, AND AWARDS

Assistantship for a doctorate in Geography. University of Kentucky, 2016-2021

Best project of all time, environmental modeling course project, Fall 2012. “Spatial Modeling for Soil Erosion Assessment in the Palouse Region, Washington, Idaho.”

Audience Prize for best project proposal at Penn State University in a Fulbright Global Food Security seminar February-March 2012.

Fulbright Scholarship. Two-year Master’s at Southern Illinois University, 2011-2013.

Scholarship. Agronomy & Environmental Engineering. Haiti State University, 2001-2006

Scholarship. Secondary studies. A. Pétion High Scholl. Haiti, 2001.

VI. ATTENDED SEMINARS

- Urban Risk Reduction in Haiti: Atelier on Methodological Guide. UNDP/State of Haiti. Jérémie, Haiti, 7/2016
- Integration of Women in Public Hygiene/sanitation. Nantes, France. 11/2014
- Early Grade Reading/Writing Assessment (EGRA). IFOS/World Bank/State of Haiti. 10/2015

- Global Food Security. Fulbright and Penn State University. PA, 2-3/2012
- Atelier on CV and Resume Writing. CESL/SIUC. Carbondale, IL, 6/2011
- Emergency preparedness. CARE International Haiti, Pétiion-Ville, Haiti. 2009
- Desertification. Ministry of Planning (MPCE), Jérémie, Haiti. 2008
- Geological Risks of Haiti. Office of Mines/Energy, Haiti State University (FAMV-UEH). 2006
- Sampling Techniques and Methodology. Haiti State University (FAMV-UEH). 2006

VII. COMPUTER SKILLS

Ability to perform advanced analyses with the selected tools:

- ArcGIS, ERDAS Imagine, AutoCAD, Quantum GIS, GRASS
- SAS, SPSS, SGEMS, ASTA, R/Rstudio, SAM, Excel
- Python, VBA, SQL, Html

VIII. LANGUAGE PROFICIENCY

Haitian Creole. Native proficiency

French. Native proficiency

English. Advanced proficiency

Spanish. Intermediate