

## CURRICULUM VITAE

### CONTACT INFORMATION:

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### CAREER OBJECTIVES:

- Acknowledge the challenge of acquiring more experience in the environmental field leading to a Graduate Studies Program.

### AREAS OF RESEARCH INTEREST:

The diverse experiences and the environmental science academic background that I have gained, have led me to develop an interest in various research areas: renewable energy and land use management. These are areas of great importance if you want to solve the environmental problems that we are facing today. My academic goal is to study in a comprehensive way that integrates society and natural ecosystems, looking at how they affect each other and analyzing the drivers that change the relationship established.

### EDUCATION:

- University of Puerto Rico, Río Piedras Campus,  
M.S./PhD. Environmental Science/ Graduating on June 2014
- University of Puerto Rico, Río Piedras Campus,  
B.S. Environmental Science/ Graduated on June 2009  
GPA: 3.51 (Magna Cum laude)
- University of Notre Dame, NSF's Summer Internship Program (UNDERC,  
Belowsky PhD.) May 2008 – August 2008
- Iowa State University, Brazil Study Abroad Program Summer 2007
- Iowa State University, Ames Iowa  
National Student Exchange Program (NSE)  
January 2007 – May 2007
- Colegio Marista Guaynabo PR.  
High School/ Graduated on May 2004  
GPA: 3.47

### HONORS & AWARDS:

2011-2012     Department Of Defense fellowship for Research Energy Center (REC) at  
the University of Puerto Rico Río Piedras Campus

2009-2011     IGERT Fellowship at the Environmental Science program at the  
University of Puerto Rico Río Piedras Campus

2009             Pedro A. Gelabert Award, Environmental Science Program UPRRP

2009             Magna Cum laude UPR- RP

2006             Who's Who Honor Award

2005             Dean's list, Natural Sciences Department UPRRP

## RESEARCH EXPERIENCE:

- August 2010-May 2011 A UPR Research Center for Excellence in Renewable Energy. Proposal for a D.O.D. grant at the University of Puerto Rico. PI: Gary Gervais Ph.D.
- August 2010 – Dec. 2010 The Economics of Information, Studiously Ignored in The Nagoya Protocol on Access to Genetic Resources and Benefit Sharing. PI: Joseph Henry Vogel Ph.D.
- August 2010-Dec.2010 The Economics of the Yasuni Initiative (Anthem Press, 2009).
- August 2008 – Dec. 2008 Effects of biological factors on seagrass ecosystems. Field and Lab. Assistant at the UPR-RP. PI: Loretta Roberson, Ph.D.
- May 2008 – August 2008 Effects of ionic liquids on respiration in freshwater lakes. Undergraduate thesis for the Environmental Science program at UPR-RP. Data collected at University of Notre Dame. Advisor: Rafael Ríos, Engineer
- August 2007 – May 2008 Water resource management at communities. Field and GIS assistant at UPR-RP. PI: Zaibette Maldonado, Ph.D.
- August 2007 – May 2008 Waste solid management plan for the urban system of Río Piedras. Field and GIS assistant at environmental science course at UPR-RP. Advisor: Rafael Ríos, Engineer
- Jan 2007 – May 2007 Ethanol case study. Case study at Iowa State University, Ames, IA. Advisors: John C. Tyndall and Gary Atchison, Ph.D
- August 2006- Dec 2006 Land use Management plan for Fajardo. Project at UPR-RP. Advisor: Carlos Guilber, Ph.D

## PUBLICATION:

- 2011 Joseph Henry Vogel Ph.D, Nora Álvarez-Berríos, Norberto Quiñones-Vilche, Jeiger L. Medina-Muñiz, Dionisio Perez-Montes, Arelis I. Arocho-Montes, Nicole Vale-Merniz, Ricardo Fuentes-Ramirez, Gabriel Marrero-Girona, Emmanuel Varcacel-Mercado, Julio Santiago-Rios. *The Economics of Information, Studiously Ignored in The Nagoya Protocol on Access to Genetic Resources and Benefit Sharing*. Law Environment and Development (LEAD) Journal, submitted 6 February 2011, revised 14 February 2011.

## PRESENTATIONS:

- 2011 A UPR Research Center for Excellence in Renewable Energy. Norberto Quiñones-Vilches, Julio Santiago, Gary Gervais Ph.D. University of Puerto Rico Río Piedras and Mayaguez Campus, University of Georgia, and Biolípidos of Puerto Rico. Proposal presented at Graduate Planning

- 2009 School Symposium at the University of Puerto Rico – Río Piedras Campus.  
Iowa Ethanol case study. Case presented at an Environmental Science seminar at the University of Puerto Rico – Río Piedras campus.
- 2008 Effects of ionic liquids on respiration in freshwater lakes. Research presented at NSF seminar at University of Notre Dame Environmental Research Center (UNDERC).
- 2006 Bioluminescence presentation. Topic presented to teacher for PRECAM program of the Metropolitan University of Puerto Rico.
- 2004 Research presented at “La alianza geográfica de Puerto Rico” congress at the University of Puerto Rico – Río Piedras campus.

#### **WORK EXPERIENCE:**

- August 2009 - August 2011 IGERT Fellowship at the Environmental Science program at the University of Puerto Rico Río Piedras Campus
- Summer 2000 – 2009 Trainer of trainers, Nature Immersion Workshop, Conservation Trust of Puerto Rico, Elizabeth Padilla-Director.
- January 2008 – May 2008 Field and Laboratory Assistant, UPR-RP Marine Science Research, Loretta Roberson PhD.
- August 2007 - Dec. 2007 Field and GIS Mapping Assistant, UPR-RP Social Science Department, Zaibette Maldonado PhD.
- July 2007 – August 2007 Consultant, GIS Mapping NHEINC, María Vilches
- September 2004 – April 2006 Computer data entry, UPR-RP AlaCima Project, Aníbal Cruz

#### **RELATED EXPERIENCES:**

- May 2011 ScienceFilm workshop with Jeff Morales and Colin Bates.
- April 2000 – 2009 Volunteer, Conservation Trust of Puerto Rico Tree Fair, Esther Díaz.
- August 2007 – May 2008 Representative Member of the Environmental Science Program at the UPR-PR Natural Science Department Student Council.

#### **SKILLS:**

- Computer: Proficient use of Windows and DOS, Microsoft Word, Excel, Power Point, Access, Publisher, Front Page, Adobe Photoshop, GIS Mapping with ArcGIS, ArcView, Google Earth, Statistical, Acid Pro, Pinnacle Studio, Sony Vega pro 10. Computer literacy, basic knowledge of hardware and software repairs, music and instrument mixing, Sierra's Print artist. Basic knowledge of Visual Basic.
- Filming: Efficient using prosumer camera, microphones, edition, lights and tripods.
- Languages: Spanish and English – Fluent, Writing, Speaking and reading.

### **ADDITIONAL COURSES:**

Sciencefilm Workshop, **Economy and Resources course**, **Spatial model course**, Computer technician, Computer literacy, GIS, Geography, Acoustic and Electric Guitar, Music ear training, Musical theory, Environmental Education, Swimming trainer.