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# Isabel G. Guerrero Ochoa

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## EDUCATION

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- 2012 – **Oregon State University, USA**  
**Ph.D.(c)** in Applied Economics with concentrations on Resource and Environmental Economics  
Dissertation: "Assessing conservation efforts: An agricultural household model for agrobiodiversity conservation in an Andean landscape". Advisor: Christian Langpap
- 2011 – 2012 **Oregon State University, USA**  
**Ms.** in Applied Economics with concentration on Resource and Environmental Economics  
Ms. Project: "An Econometric Analysis of Output Supply and Input Demand in the Oregon Softwood Lumber and Plywood Industries". Advisor: Darius Adams
- 2001 – 2006 **Universidad del Pacífico, Peru**  
**Bs.** in Economics – Top third 2005  
Paper: "Viability analysis of special grants to develop scallop's aquaculture in Paraca's National Reserve".  
Coauthor: Luciana Ortega. Advisor: Elsa Galarza
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## RESEARCH FIELDS

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- Applied Microeconomics, Forest Management and Governance, Biodiversity Conservation Planning.
  - Agricultural Economics and Environmental Economics, Agrobiodiversity Conservation Planning.
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## PUBLICATIONS

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- Adams, D. M., Latta, G. S., Crandall, M. S., & **Guerrero Ochoa, I. G.** (2019). The importance of incorporating intertemporal and spatial log market dynamics in projections of residue-based biomass supply for liquid biofuel production in western Oregon and Washington, USA. *Forest Policy and Economics*, 106, 101957.
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## WORKING PAPERS

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- **Guerrero Ochoa, I.G.**, Albers, H.Jo, and Langpap,C.A. "Agrobiodiversity conservation efforts in Andean landscapes: The role of culture". (*Job Market Paper*)
  - Rubiños CA, Chereque B, Cancino N, and **Guerrero Ochoa, I.G.** "Capturing Lessons for Sustainable Tourism Planning and Research: Evidence and a call for a systematic approach". (*Finished, to be send for review to World Development*)
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## OTHER PUBLICATIONS

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- Guerrero Ochoa I.G. (2019) Aportes a la sostenibilidad de la iniciativa de restauración de bosques nativos en la Comunidad Campesina de Kiuñalla – Apurímac – Perú. Brief prepared for the *Programa Bosques Andinos*.
- Guerrero Ochoa I.G. (2018) ¿Por qué es importante la preservación de los bosques para el desarrollo del turismo sostenible en nuestro país? Stakeholders Sostenibilidad Magazine
- Zárrate Charry DA, Guerrero Ochoa IG, Jiménez-Alvarado JS, Massey A, Calderon M, Hurtado-Moreno AP, Proeto J, Aconcha Abr., I, Vela Vargas IM, Gonzalez Maya JF (2016) Strategies for human-jaguar conflict resolution in agricultural areas of Sierra Nevada de Santa Marta, Colombia. *Wildfelid Monitor* Vol. 9, Issue 2
- Guerrero Ochoa I.G. (2009) Perú: ¿Debemos optar por los transgénicos? Punto de Equilibrio Magazine – Economics and Business Magazine of the *Universidad del Pacífico*.

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## RESEARCH AND PROFESSIONAL EXPERIENCE

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- 2017 – Present **Universidad del Pacífico, Peru**  
**Consultant, School of Public Administration (Mar 2020 – Present)**
- Assessing governmental institutional capacities to prevent and combat environmental crimes (illegal logging, illegal wildlife trafficking and illegal mining) in the Peruvian Amazon (Regions of Loreto, Ucayali and Madre de Dios). Project PREVENT, implemented by DAI Global and funded by USAID.
- Part-time teacher, Economics Department (Mar 2020 – Present)**
- Introduction to Microeconomics (Undergraduate level).
- Affiliated Local Researcher, Research Center (CIUP) (Sep 2017 – Present)**
- Dissertation research: Assessing conservation efforts: An agricultural household model for agrobiodiversity conservation in an Andean landscape.
  - Collaborative Research with Cathy Rubiños (Ph.D. in Sustainability): Capturing Lessons for Sustainable Tourism Planning and Research: Evidence and a call for a systematic approach (Finished Paper)
  - Collaborative Research with Cathy Rubiños (Ph.D. in Sustainability): The Challenge of Local Institutional Fitness: Formal Institutions and Socio-Ecological Systems Misfits in the Peruvian Amazon Forestry Industry (On-going Research)
- 2018 – 2019 **HELVETAS Swiss Intercooperation, Peru – Consultant, Programa Bosques Andinos**
- Study: “Economic alternatives that contribute to the sustainability of the Andean forest restoration initiative in the rural community of Kiuñalla, Apurímac”. The importance of the study lies in defining guidelines of different economic alternatives (tourism, agricultural productivity and payment for ecosystem services) in order to address the drivers of degradation and deforestation of the Andean forest landscape of Kiuñalla, so that when economic alternatives are carried out in Kiuñalla, they contribute to the sustainability of the Kiuñalla restoration initiative.
- 2011 – 2017 **Oregon State University, USA**  
**Research Assistant, Applied Economics Department (Oct 2012 – Jun 2017)**
- Main Research: Developing static and dynamic optimization models to prioritize species conservation efforts in landscapes with natural and working lands in the northwestern United States when there is a changing climate.
  - Collaborative Research with Diego Zárrate-Charry (Ph.D. in Forest Ecosystems and Society): Reduce wild felid-human conflict by identifying and empowering wild felid-friendly schemes in agricultural production units in prioritized jaguar areas of the Sierra Nevada de Santa Marta, Colombia.
- Research Assistant, Forest Engineering & Resource Management Department (Nov 2011 – Sep 2012)**
- Research: To employ a normalized restricted quadratic profit function approach to estimate lumber and plywood supply and Marshallian factor demand elasticities for four region-product combinations in Oregon for the period 1970-2010. The four log demand functions were employed as the "demand side" of the log market model of the NARA project, which is attempting to develop a new, viable, aviation fuel industry using wood and wood waste in the Pacific Northwest.
- 2010 – 2011 **United Nations Environment Programme / LAC Regional Office, Panama – Consultant, Ecosystem Management**
- Support the organization and coordinate the first training course on The Economics of Ecosystems and Biodiversity (TEEB) for the Caribbean Region. This course targeted Ministry of Finance/Economics and Ministry of Environment representatives.
  - Support the development of the project and necessary activities to implement the LifeWeb project in Mesoamerica, "Support to Mesoamerican terrestrial protected areas: Development of policy instruments to strengthen sustainable use of biodiversity, ecosystems and the services they provide, considering economic and social values, including best practices to fire management."
  - Monitor the reporting process of the regional initiative "Biodiversity and ecosystems: why they are important for sustainable growth and equity in Latin America and the Caribbean."
- 2009 – 2010 **Centro de Investigación de la Universidad del Pacífico, Peru**  
**Consultant (Oct 2009 – May 2010)**
- Prepare impact assessment reports of rare productivity projects in Cajamarca, Perú.
- Senior Research Assistant, Natural Resources & Environment Area (Jul 2008 – Sep 2009)**
- Research on the following topics:
    - Impact Assessments of productive projects in Cajamarca and Ancash. - FONDOEMPLEO.
    - Financial strategy of the national program to combat desertification in Peru - FAO.
    - Integrated Environmental Assessment: General Environmental Outlook (GEO) Cities, Amazon - UNEP.
  - In charge of the bimonthly newsletter: Economy and Environment.
- 2006 – 2008 **World Wildlife Fund, Peru Program Office – Budgeting Analyst**
- Planning and monitoring WWF Peru project's budget and internal budget control in field offices.
  - Development of budgets for project proposals and preparing financial reports for donors.

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## TEACHING EXPERIENCE

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### Teaching at Universidad del Pacífico

Semester I / Semester II 2020

Introduction to Microeconomics - Undergraduate

### Teaching Assistant at Oregon State University

Winter 2016

Applied Econometrics (499) – Undergraduate

Fall 2015

Microeconomics I (512) – Graduate

Winter 2014 / Fall 2014

Applied Econometrics (525) – Graduate

Spring 2014

Marine Resource Economics (452/552) – Undergraduate/Graduate

### Online Workshop (consultant) for the United Nations Environment Programme – LAC Regional Office

Feb 2012

The Economics of Ecosystems and Biodiversity (TEEB) - Organization PRISMA, El Salvador

### Teaching Assistant at Universidad del Pacífico

Semester II 2008 / Semester I 2009

Private Project Evaluation - Undergraduate

Semester I 2009

Microeconomics I - Undergraduate

### Committee Member

2019 – Present

Janeth Huasasquiche Salvatierra, M Student in Forestry and Natural Resource Management

Universidad Agraria La Molina (UNALM), Lima, Peru

Thesis: “Improving the management of protected areas using the concept of economic value of ecosystem services”

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## CONFERENCE PRESENTATIONS

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Nov. 2019

**13<sup>th</sup> Environment for Development (Efd) Annual Meeting**, Bogota, Colombia

Women in Environmental Economics and Development (WinEED) Workshop

“*Agrobiodiversity conservation efforts in Andean landscapes: The role of cultural values*”.

Oct. 2019

**Sustainability and Development Conference**, Michigan, U.S.A

Panel: Smallholders and conservation

“*Agrobiodiversity conservation efforts in Andean landscapes: The role of cultural values*”.

Panel: Local institutions for the environment and development.

“*Institutional design for sustainable tourism in Kiuñalla, Perú*”. (Co-author)

Jul. 2019

**IASC 2019: In defense of the commons: challenges, innovation and action**, Lima, Perú

Panel: Restoration and agrobiodiversity

“*Assessing conservation efforts: An agricultural household model for agrobiodiversity conservation in an Andean landscape*”.

Panel: Customary and local institutions and traditional knowledge

“*The Challenge of Local Institutional Fitness: Formal Institutions and Socio-Ecological Systems Misfits In The Peruvian Amazon Forestry Industry*”. (Co-author)

Mar. 2019

**Natural Capital Conference** - Stanford University, California, U.S.A.

Panel: New Frontiers Tracks: Sustainable Development Roundtable: Equity & Ecosystem Services

“*Assessing conservation efforts: An agricultural household model for agrobiodiversity conservation in an Andean landscape*”.

Nov. 2016

**North West Climate Conference**, Oregon, U.S.A

“*Prioritizing conservation efforts under a changing climate*”.

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## CONSULTING EXPERIENCE

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Sep. 2016 – May. 2017

**Asociación para la Conservación y Desarrollo (ACD)**, Panamá

Study: To analyze the survey carried out for the socio-economic and environmental diagnose of the area influenced by the Coiba National Park.

Aug. 2011 – Oct. 2011

**Water Center for the Humid Tropic of Latin America and the Caribbean (CATHALAC)**, Panamá

Report: “To identify and evaluate measures to reduce vulnerability to climate variability in the basin of the Panama Canal (CHCP). Co-author: Ricardo Montenegro.

Jun. 2011 – Sep. 2011

**World Wildlife Fund Inc.**, Panamá

Study: “To estimate the economic value of prioritized ecosystem services provided by mangroves of the Chinina watershed”. Co-author: Ricardo Montenegro.

Mar. 2011 – Sep. 2011

**Audubon Society**, Panamá

Study: “To estimate the economic value of some environmental services offered by the east sector of the wetland of Panama Bay”. Based on secondary information. Co-author: Ricardo Montenegro.

- Nov. 2010 – Ago. 2011 **Conservation through Research Education and Action (CREA)**, Panamá  
To develop 4 businesses plans for Community Based Forest Enterprises in the Darien Region – Panamá.
- Nov. 2008 – Sep. 2009 **Fundación Manuel J. Bustamante de la Fuente**, Perú  
Project funded by the Foundation Manuel J. Bustamante de la Fuente, and implemented by three institutions: Universidad de Piura, Center for theological studies in the Amazon and the Asociación Civil Labor. This project aimed to disseminate knowledge on the effects of climate change, stimulate debate and encourage the development of immediate and effective proposals to meet the challenges of climate change in three regions of Peru: North Coast, Amazon and South Andes.
- Feb. 2009 **World Wildlife Fund Inc.**, Perú  
Study: "Feasibility study to assess the economic - financial viability for the installation and operation of a Center for Forest Services and Training in the town of Atalaya".

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## PROFESSIONAL TRAINING

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- Summer 2020 **National Center for Faculty Development & Diversity**  
Write Now Summer Session
- Jul. 2012, 2014, 2015 **North West Climate Boot Camp – PNW Climate Science Center**  
Understanding Northwest climate related impacts and vulnerabilities through different ways of knowing; applying this knowledge in Collaborative and Adaptive management
- Nov. 2010 **Center for Development and Innovation- Wageningen University**  
Ecosystem approach to fisheries: Monitoring and evaluation of resource use and fisheries impact
- Aug. 2010 **Latin American and Caribbean Environmental Economics Program - CATIE**  
Valuation and household surveys
- Jul. 2009 **United Nations Environment Programme**  
Integrated Environmental Assessment
- Aug. 2008 **Stanford University & Conservation Strategy Fund**  
Economic Tools for Conservation
- Jun. 2008 **Yale University**  
Conservation Finance Camp
- Aug. 2007 **Universidad del Pacífico**  
Mathematical models for natural resource's management
- Jun. 2007 – Jul. 2007 **Universidad del Pacífico**  
Agriculture marketing: Practical tools for the field and the city

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## FELLOWSHIPS & AWARDS

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- Sep. 2018 – Jun. 2020 Scholarship: *International Student Continuation Scholarship* for the 2018-2019 and 2019-2020 academic year to partially fund the Ph.D. in Applied Economics at *Oregon State University*
- Sep. 2018 – Mar. 2019 Scholarship: *E.R. Jackman Friends and Alumni Scholarship* from the College of Agricultural Sciences 2018-19 academic year to partially fund the Ph.D. in Applied Economics at *Oregon State University*
- Jan. 2018 – Mar. 2018 Scholarship: *Delson Bridge to the Future* for graduate students to partially fund the Ph.D. in Applied Economics at *Oregon State University*
- Sep. 2017 – Jun. 2018 Scholarship: *Toivo Henry Niemi Scholarship for International Students* to partially fund the PhD. in Applied Economics at *Oregon State University*
- Oct. 2012 – Jun. 2017 Fellow of the North-West Climate Science Center (NWCSC) to partially fund the PhD. in Applied Economics at *Oregon State University*.
- Aug. 2015 – Jan. 2017 Fellow of the Wild Felid Research and Management Association (WFA) Council. Co-fellow: Diego Zárrate-Charry. *Reduce wild felid-human conflict by identifying and empowering wild-friendly schemes in agricultural production units in prioritized areas of the Sierra Nevada de Santa Marta, Colombia.*
- Nov. 2011 – Sep. 2012 Scholarship: Northwest Advanced Renewable Alliance (NARA) research grant to fund the Ms. in Applied Economics at Oregon State University.
- Feb. 2008 – Dec. 2008 Fellow of the Global Water scholarship program awarded by Global Water for Sustainability program in 2008 to carry out research on the management of water and associated resources in the lower Pastaza Basin. Co-fellow: Cathy Rubiños. This research was carried out in coordination with WWF- PPO.
- Mar. 2005 – Dec. 2005 Prize winner of the 2005 Leadership Award granted by Universidad del Pacífico.

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## SERVICE & MEMBERSHIP

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2012 – 2017                      Member of the Association of Latin American Students at *Oregon State University*  
2013 – 2014                      President of the Association of Latin American Students at *Oregon State University*  
2006                                  President of the Peruvian Athlete National Commission

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## SKILLS

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Policy analysis and Simulation analysis, Econometric analysis, Impact evaluation, Systems thinking, Field work and Surveys  
MATLAB, STATA, ArcGIS (enrolled in GIS at OSU), Visual Basic, and Microsoft Office  
Language: English (proficient), Spanish (native), Portuguese (basic)

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## REFERENCES

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**Prof. Christian Langpap,**

Dissertation Committee Chair and TA  
Supervisor  
Department of Applied Economics,  
Oregon State University.  
Phone: +1-541-737-1473  
Email:  
Christian.langpap@oregonstate.edu

**Prof. H. Jo Albers,**

Dissertation Committee Member  
Department of Economics,  
University of Wyoming.  
Phone: +1- 307-766-5331  
Email: Jo.Albers@uwyo.edu

**Prof. Darius Adams (Emeritus),**

MS. Adviser  
Department of Forest Engineering,  
Resources & Management,  
Oregon State University.  
Phone: +1-541-207-7614  
Email: Darius.Adams@oregonstate.edu