

Curriculum Vitae  
**Federico Castillo, PhD**  
University of California  
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**Education: University of California, Berkeley**

2001            Ph.D. Environmental Science, Policy and Management.  
1995            M.S. Agricultural and Resource Economics  
1992            B.A. Political Economy of Industrial Societies

**Dissertation:** “*Managing Information and Technology Transfer in Natural Resources*”

**Research/Professional Interests**

- Environmental/Agricultural economics and policy
- Climate change: Agriculture and migration
- Economic valuation
- Technology innovation and technology adoption

**Teaching Experience**

1/2007 - Present            University of California, Berkeley. Researcher and lecturer. Currently responsible for teaching Environmental Sciences, Policy and Management 102C during spring semester (ESPM 102C) “Economics of Natural Resource Management”.

6/2010-5/2014            California State University, San Francisco. Lecturer. Responsible for teaching LNTS 470 “Latino Immigration to the United States”.

Spring, 2013/and  
Fall, 2014                    Developed, in cooperation with faculty at the Haas School of Business, a joint course titled “Business, Sustainability and Natural Resources”.

Various years.            International/Governmental institutions. Taught short courses on environmental economic topics that included, but were not limited to: cost benefit analysis, the economics of ecosystem services, water economics, economic valuation, and policy design and implementation. The audiences included undergraduate/graduate students, policy makers and administrators at the international and local levels. Geographical locations include Venezuela, Guatemala, Costa Rica, U.S. and Chile.

## Current Research:

1/2007-Present: Current responsibilities include: A) Co-leader of a project that analyzes the impact of drought on US agriculture; B) Leading social scientist and member of a research team developing a framework that analyzes mitigation and adaptation to the occurrence of extreme events associated with climate change; C) Analyzing the relationship between climate change and migration in Oaxaca, Mexico, D) Part of a UC Berkeley campus wide task force responsible for developing a research agenda and action plan to address population, climate change and agricultural issues in the Sahel, Africa, and E) Part of a research team that analyzes comparative food consumption and obesity patterns in developing countries.

## Recent consulting engagements:

5/2014-present Tropical Agricultural Research Center (CATIE): Part of a team that designed sampling strategy, designed survey and supervised field data collection efforts in Guatemala, Honduras and Costa Rica with the aim at analyzing smallholders' adaptation to climate change. Emphasis on coffee, beans and corn producers.

2011-present Chirripó Consultores/Corporación Andina de Fomento(CAF)/Planeterra: A) Part of a research team that designed a work plan aimed to include environmental and natural resource values into cost benefits analysis for project analysis at CAF. B) Developed household surveys to analyze a baseline socio-economic profile and the impact of nature based tourism on households in communities in Guatemala, Nicaragua, Costa Rica and Peru. C) Team leader for an impact evaluation project aimed bird watching activities in Guatemala, Bahamas, Paraguay and Belize

03/2013-11/2013 KDG Enterprises/Bridge Housing. Project titled "Choice Neighborhood Initiative/Rebuild Potrero" and funded by the U.S. Department of Housing and Urban Development. Co-responsible for developing a household survey aimed at identifying social service needs of public housing residents of Potrero Hill housing units in San Francisco, California. Additional duties included providing logistical support for data collection, co-develop an Excel macro tool to digitize data and controlling for data quality control during data collection process.

6/2006-1/2008  
and 6/2005-12/2005 Tropical Agricultural Research and Higher Education Center (Costa Rica), Consultant. Co-lead an economic valuation study - "Design and Estimation of Entrance Fees for National Parks in Costa Rica". Co-responsible for the following: survey design, supervision of data collection, implementation of focus groups, and data analysis. Study also examined the economic aspects of compensation for the provision of environmental services for protected areas.

### **Selected Publications, Reports, and Manuscripts**

Campbell, Martha; Casterline, John; Castillo, Federico; Graves, Alisha; Hall, Thomas I.; May, John F.; Perlman, Daniel; Potts, Malcolm; Speidel, Walsh, Julia; Wehner, Michael F.; Joseph; Msiyaphazi Zulu, Eliya. "Population and climate change: who will the grand convergence leave behind? ". *The Lancet (Global Health)*. Vol. 2, May 2014.

Castillo, Federico; Heiman, Amir; Zilberman, David and Gilless, J. K. "Time of Adoption and Technology Transfer: An Institutional Analysis of Offices of Technology Transfer in the United States". *Journal of Technology Transfer*, in review process.

Adamson-Badilla, Marcos; Castillo, Federico, Gilless, J.K., and Ortega, Roger. "Disasters, development and vulnerability: An Analysis of a Middle Income Country". Unpublished Manuscript. University of California, Berkeley. January, 2015.

Potts, Malcolm; Zulu, Eliya; Wehner, Michael; Castillo, Federico; Henderson, Courtney. "Crisis in the Sahel: Possible Solutions and the Consequences of Inaction". Bixby Center for Population, School of Public Health. University of California, Berkeley. April, 2013

Castillo, Federico; Gilless, J. Keith and Raphael, Steven. "Comparing the Effects of a South-South with a South-North Migration: The Cases of Costa Rica and the United States. Unpublished manuscript

Parker, Douglas; Castillo, Federico; Zilberman, David. "Public/Private Sector Linkages in R&D: The Case of U. S. Agriculture". *American Journal of Agricultural Economics*. Vol. 83, August 2001. pp 736-741.

Parker, Douglas; Zilberman, David and Castillo, Federico. "Offices of Technology Transfer: Privatizing University Innovations for Agriculture". *Choices*. First Quarter, 1998.

#### **Recent conference presentations/submissions:**

"Disasters, development and vulnerability: An Analysis of a Middle Income Country". World Congress of Environmental and Resource Economists" Istanbul, Turkey. June, 2014.

"Technology Adoption: Institutional Aspects of Technology Transfer". Invited presentation at the Department of Agricultural Economics and Management. Rehovot, Israel. March 23, 2011.

"Disasters, Climate Change and Natural Resources: Towards a Research Agenda" Presented at the Third Congress on Natural Disasters, Costa Rica. November 2010.

"Do immigrants affect native wages? A comparative Analysis of the United States and Costa Rica". Presented at the Population Association of America annual meeting. Dallas, TX. April, 2010

#### **Book Chapters/Edited Books**

Adamson, Marcos and Castillo, Federico; Eds. Costa Rica in the Third Millennium: Proposals for the Reduction of Vulnerability". Editorial Luz/University of Costa Rica. San Jose, Costa Rica. 2013. (Text in Spanish).

Adamson, Marcos; Castillo, Federico and Varela, Luis Fernando. "An environmental index for Costa Rican households" in Findings from The Costa Rica Census. Forthcoming.

Castillo, Federico and Gilless, Keith. "Climate Change, Extreme Events and Migration: A Framework of Research". In "Costa Rica in the Third Millennium: Proposals for the Reduction of Vulnerability". Adamson, Marcos and Castillo, Federico, Eds. Editorial Luz. San Jose, Costa Rica. 2013. (text in Spanish).

Castillo, Federico. "The Economics of Rain Forests: The Case of Non-Timber Products". in *Medio Ambiente en Latino America: Desafíos y Propuestas*. Calvo, Vilma; Figueroa, Eugenio; and Vargas, Juan Rafael. Eds. Instituto de Invest. en Ciencias Economicas, Universidad de Costa Rica-Centro de Recursos Naturales, Universidad Católica de Chile. Santiago, Chile.1997.

Zilberman, D, Naidenov, N. and Castillo, F. "Agriculture and the Environment" in *Privatization of Agriculture in New Market Economies: Lessons from Bulgaria*. A. Schmitz, K. Moulton, A. Buckwell and S. Davinova. Eds. Kluwer Academic Publishers. Norwell, MA. 1994.

#### **Selected Technical Reports:**

Castillo, Federico. A Report on the Social and Economic Impact of the Trade Agreement between Central America and the European Union: the case of coffee and bananas". Report prepared for the Free University, LEI. The Hague, Netherlands. December 2008.

Castillo, Federico and Alpízar, Francisco. "Using Non parametric methods to estimate entrance fees and payment for services in protected areas in Costa Rica (text in Spanish). Technical report presented to the Nature Conservancy. CATIE, Costa Rica. January, 2007. Second draft.

Castillo, Federico. Analysis of Economic Instruments and Their Application to the Water Sector in Latin America" Report presented to the United Nations Development Program (text in Spanish). San Jose, Costa Rica. Technical Report for UNDP. November, 2005.

#### **Professional Memberships.**

Association of Environmental and Resource Economists  
Population Association of America

**Language Ability:** Fully Bilingual (Spanish-English)