

FEDERICO CEBALLOS SIERRA

fc3@illinois.edu

Department of Agricultural and Consumer Economics
 326 Mumford Hall
 1301 W. Gregory Dr., Urbana IL 61801

+57 (311) 251-4519

DISSERTATION TITLE: " Technology Diffusion and Farmer's Resiliency to Climate and Conflict Shocks "

Expected Date of Completion: May 2021
 Principal Advisors: Benjamin Crost and Alex Winter-Nelson
 Other Committee Members: Mary Paula Arends-Kuenning

PRE-DOCTORAL STUDIES:	DEGREE:	DATE:	FIELD:
University of Caldas	B.Sc.	2015	Agronomic Engineering

FIELDS OF CONCENTRATION:

PRIMARY	SECONDARY
Development economics Applied econometrics	Environmental Economics Statistical Learning

WORKING PAPERS

Ceballos-Sierra, F. "Incomplete Peace: Unintended Consequences of Partial Conflict Resolution in Multilateral Conflicts". (**Job Market Paper**)

Ceballos-Sierra, F., Arends-Kuenning, M. P., Hewey, A. "Technology Diffusion Through Vocational Training of High School Students: Experimental Evidence from Nicaragua". Under review.

REVISE AND RESUBMIT

Ceballos-Sierra, F., Dall'erba, S. "The Effect of Climate Variability on Colombian Coffee Productivity: A Dynamic Panel Model Approach". Invited to revise and resubmit. Agricultural Systems.

WORK IN PROGRESS

Ceballos-Sierra, F., Crost, B. "Technology Diffusion and Conflict Intensity: Can the Adoption of Coffee Leaf Rust Resistant Varieties Decrease the Pressure of Armed Conflict?"

Ceballos-Sierra, F., Rahn, E., Buhn, C. "Crop Shifting Dynamics in Colombia's Coffee Region, Can Discrete-Continuous Choice Models be Improved with Machine Learning"

Chowdhury, R.A., **Ceballos-Sierra, F.,** Sulaiman, M. "Selection for Impact: Application of Machine Learning for Ultra-poor Selection Criteria in Graduation Model".

POLICY REPORTS

Ceballos-Sierra, F. "Coffee farmers face dangerously low profits, experts warn at 6th Consultative Forum on Coffee Sector Finance". Policy Matters. FarmDoc Daily. August 17th, 2017.

GRANT AWARDS

Tinker Foundation Institutional Grant, University of Illinois – Fabretto Foundation
 "Enhancing and Evaluating Tutorial Learning System's (SAT) Impact on Rural Nicaragua Youth and Communities". Research Lead. USD \$424,000
 2017-2020

	Global Food Security Fellowship , University of Illinois “Crop Shifting Dynamics in Colombia's Coffee Region, Can Discrete-Continuous Choice Models be Improved with Machine Learning?” PI. USD \$8,100	2020-2021
RESEARCH EXPERIENCE	Research Assistant , Prof. Sandy Dall’erba, University of Illinois “A meta-analysis of the Ricardian literature on the impact of climate change”	Spring 2020
	Research Assistant , Prof. Benjamin Crost, University of Illinois “Technology Diffusion and Conflict Intensity: Can the Adoption of Coffee Leaf Rust Resistant Varieties Decrease the Pressure of Armed Conflict?”	Fall 2020
TEACHING EXPERIENCE	Teaching Assistant , University of Caldas, Soil Conservation and Management.	Spring 2013- Fall 2014
	Teaching Assistant , University of Illinois, ACE 251 World Food Economy.	Fall 2016- Fall 2019
	Teaching Assistant , University of Illinois, ACE 264 Applied Statistical Methods	Spring 2020
	Team Leader , University of Illinois, Research Apprenticeship Program	Summer 2019; Summer 2020
WORK EXPERIENCE	Extension Agent , National Coffee Growers Federation of Colombia Fresno, Tolima, Colombia.	2014
	Field Agronomist , El Rosario Farm, Casa Luker Necoclí, Antioquia, Colombia.	Spring 2015
	Commercial analyst , Office of Commercial Planning, National Coffee Growers Federation of Colombia. Bogota D.C. Colombia	Fall 2015
	Number one rank in admissions to the program of Agonomic Engineering University of Caldas	Fall 2009
AWARDS AND FELLOWSHIPS	Outstanding Academic Performance University of Caldas	2010
	Top 10 Nation-wide ECAES test score Department of Agricultural and Consumer Economics	2015
	Fellowship University of Illinois	Fall 2016; Spring 2017; Fall 2017; Spring 2018
	HONOR SOCIETIES	
	Semillero Colfuturo Colombia Opportunity Fund Fellow Department of State United States of America	

SKILLS

Software: R Statistical Package (Professional), Stata (Competent), ArcGIS (Competent), SQL (Competent).

LANGUAGES

Spanish (Native)
English (Fluent)
Portuguese (Fluent)

REFERENCES

Dr. Benjamin Crost
Assistant Professor
Department of Agricultural and Consumer
Economics
University of Illinois at Urbana-Champaign, USA
bencrest@illinois.edu

Dr. Mary Paula Arends-Kuenning
Associate Professor
Department of Agricultural and Consumer
Economics
University of Illinois at Urbana-Champaign, USA
marends@illinois.edu

Dr. Alex Winter-Nelson
Director of ACES Office of International
Programs, Professor
Department of Agricultural and Consumer
Economics
University of Illinois at Urbana-Champaign, USA
alexwn@illinois.edu

Anina Hewey
Director of Programs
Fabretto Foundation
Managua, Nicaragua
ahewey@fabretto.org