

## DAWN RODRIGUEZ-WARD

North Carolina State University  
Genetic Engineering and Society Center

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Research interests: community forestry, sustainable land management practices, agriculture and forestry certification schemes, human-environment interactions, forest governance, decision-making processes, climate change and REDD+.

### EDUCATION

**Ph.D. Interdisciplinary Ecology, Concentration: Tropical Conservation & Development**

School of Natural Resources and the Environment, University of Florida, 2013

Dissertation: *Why should we certify our forests?: The sociopolitical factors influencing the adoption and maintenance of FSC forest certification in the community forests of Mexico*

**M.A. High Distinction in Social Anthropology and Development, Universidad de Chile**, 2003

Thesis: *An Ethnographic look into the world of Huilliche Artisans in San Juan de la Costa, Chile*

**B.A. Honors in Anthropology, Minor in Environmental Studies, New York University**, 1998

Thesis: *The history and social impact of wild rubber extraction in the Brazilian Amazon*

### PROFESSIONAL TRAINING

Howard University, Preparing Future Faculty Summer Institute, 2011

Rainforest Alliance, Forest Management Certification Course, 2010

University of North Carolina, Yucatec Maya Summer Language Course, 2009

Society for Applied Anthropology, Social Network Analysis, 2008

National Science Foundation, Summer Institute of Research Design in Cultural Anthropology, 2007

University of Florida, Facilitation skills for Adaptive Management, 2007

Rainforest Alliance, SmartWood Auditor Intensive Training Course, 2007

Tropical Forestry Institute, Decision Makers Course on Tropical Forest Management, 2007

### FELLOWSHIPS AND AWARDS

COMEXUS-Fulbright Garcia Robles, Post-doctoral Scholar, 2017-2018 (Mexico)

University of Florida, Office of Graduate Minority Programs Supplemental Retention Award, 2012

University of Florida, School of Natural Resources and Environment Research Assistantship, 09-12

U.S. Department of Education Foreign Language and Area Studies Fellow, 2009

National Science Foundation IGERT Working Forests in the Tropics Fellow, 2006-2009

Organization of the American States Regional Training Program Fellow, 2001-2002 (Chile)

Institute of International Education Fulbright Scholarship, 2000-2001 (Chile)

Rainforest Alliance Five-year Certificate of Appreciation, 1993-1998

### SKILLS

**Languages:** Fluent in English and Spanish. Working knowledge of Portuguese and French.

## **TEACHING EXPERIENCE**

- Introduction to climate change and REDD+, Universidad Intercultural Maya de Quintana Roo
- Interdisciplinary Field Methods Module, Universidad Intercultural Maya de Quintana Roo
- Indigenous Silviculture Field course, Yale School of Forestry and New York Botanical Garden
- English as a Second Language course, Overseas Idioms, Brazil

## **OUTREACH EXPERIENCE (Training, facilitating, guest speaker)**

- Led and moderated validation workshops in 4 Mexican states for the Climate Community and Biodiversity Alliance (CCBA) and Earth Innovation Institute's Sustainable Landscape Rating Tool, 2018 (90 participants)
- Designed and implemented workshops on monitoring and evaluation for Toj Oolal Alliance for Food Sovereignty and Security project for faculty and community members, Mexico, 2017 (121)
- Trained graduate students and practitioners on social science research methods, The Nature Conservancy (TNC) consultancies, 2013-17 (13 individuals)
- Trained undergraduate and graduate students on ethnographic field research methods, Center for International Forestry Research (CIFOR) consultancies, 2012-18 (11 students)
- Led Returning Results workshop for the TNC project "Quantifying the Carbon Emissions of Reduced Impact Logging Practices", Mexico, 2015 (43 participants)
- Designed and led public consultation workshops on "Deliberation, analysis and decision-making for Mexico's National REDD Strategy's objectives, components and action lines", CONAFOR consultancy, 2015. (154 participants: academic, government, civil associations)
- Guest speaker on REDD+ and payment for environmental services for COP 16 field trip, U'yo'olche Civil Association, Mexico, Dec. 9, 2010
- Guest Speaker on rainforest ecology and volunteer opportunities, Marymount Manhattan College STEM students, Summers 1995 and 1996

## **RESEARCH EXPERIENCE**

### **1. CENTER FOR INTERNATIONAL FORESTRY RESEARCH (CIFOR) 2012-2018, Mexico and Peru**

#### **Research Consultant**

##### Climate Change, Energy and Low Carbon Development (CCE) Team

September 2017 – September 2018

- Compiled secondary data and implemented CIFOR's global survey on subnational REDD+ and sustainable private sector initiatives in four states in Mexico (Yucatan peninsula and Tabasco).
- Applied the CCBA/CIFOR/EII Sustainable Landscapes Rating Tool (SLRT) in four states and held 4 validation workshops with 90 multi-stakeholder participants.
- Lead authored jurisdictional profiles for 4 states.

#### **Field Research Supervisor**

##### CIFOR, Forests and Livelihoods Program, Global Comparative Study on REDD+

November 2012- June 2013 (Phase I fieldwork)

August 2014- December 2014 (Phase II fieldwork)

June-July 2015 (Returning Results workshops)

September 2018 (Phase III training workshop)

Dawn Rodriguez-Ward

- Evaluated a subnational REDD+ project in 4 intervention and 4 control communities in Peru (I, II)
- Trained and supervised a multi-disciplinary team (11) to collect intensive field data for 240 household surveys with the objective to measure changes in land use, livelihood activities, human well-being and REDD+ activities (I, II).
- Conducted 8 community and 8 women's workshops on livelihood and REDD+ activities (I, II).
- Managed data input of 240 household surveys and interviews in MS Access database (I, II).
- Returned phase II results to 16 communities and concessions in Ucayali and Madre de Dios, Peru.
- Trained Field Supervisor and team for third phase of data collection and field methods (III).

### **Research Consultant**

CIFOR, Forests and Governance Program, Global Comparative Study on Multilevel Governance and Carbon Management

July 2013-April 2014

- Interviewed multi-level and multi-sectorial actors to understand land use decisions and benefit sharing arrangements in relation to REDD+ initiatives in the region of Madre de Dios, Peru.
- Transcribed, analyzed and coded 92 interviews into Nvivo DB and into Regional Report (120 pgs.).
- Supported field research activities of two junior researchers in two Peruvian states.

## **2. THE NATURE CONSERVANCY (TNC) 2013-2016, Yucatan peninsula, Mexico**

### **Principal Socioeconomic Investigator**

TNC and Science for Nature and People (SNaPP) Program

November 2015- August 2016

- Led socioeconomic research on the costs and benefits of forest management in the Yucatan.
- Created MS Access database on human well-being indicators and socioeconomic factors that affect forest management and production for 65 community forest enterprises.
- Wrote report based on key informant interviews and data gathered on logging input /output costs, transition costs for different timber production stages, and market challenges.

### **Research Consultant**

TNC, Mexico REDD+ Alliance, Universidad Veracruzana

Quantifying the Carbon Emissions of Reduced Impact Logging Practices in the Yucatan Peninsula

February 2015- March 2016

- Coordinated Returning Results workshop of the analysis of the carbon flux additionality of forest management practices in 10 communities to multi-level land users, technicians, government.
- Lead author on RIL-C policy brief and co-author the Yucatan RIL-C (Reduced Impact Logging-Carbon) Field Protocol Module.

### **Research Consultant**

TNC, Mexico REDD+ Alliance, Universidad Veracruzana

Assessing Opportunities for Improved Forest Timber Management (IFM) activities to reduce or remove greenhouse gas emissions within managed forests

Aug 2013- April 2014

- Interviewed 11 forestry specialists, governmental agents and community members in timber producing communities in the Yucatan Peninsula, Mexico.
- 22 site visits to conduct interviews and observe harvesting methods in annual cutting areas.
- Reviewed forest management plans, technical documents, and academic papers.
- Co-authored two reports focusing on key IFM challenges and recommendations (132 pgs.).

### **3. COMEXUS Fulbright Garcia Robles Postdoctoral Scholar**

Agroecology Department, Intercultural Mayan University of Quintana Roo (UIMQROO)

August 2017- May 2018

- Designed and taught “Introduction to climate change and REDD+” undergraduate course and included a module on “Interdisciplinary Field Methods” Fall semester 2017.
- Conducted research on local producers’ mitigation and adaptation strategies to climate change.

### **4. Monitoring and Evaluation (M&E) Coordinator**

Toj Oolal Alliance for Food Security and Sovereignty

April - June 2017

- Designed and implemented evaluation system for 5 sustainable agriculture and apiculture projects in Yucatan peninsula, Mexico
- Trained team of 4 in focus group methodology and oversaw 75 surveys.
- Conducted 7 workshops on M&E for 121 Spanish and Mayan speaking participants.
- Analyzed workshop and survey data for final report and returning results workshop.

### **5. Project Coordinator**

REPSEAM NGO (Environmental Services Producers’ Network) and CONAFOR (National Forestry Commission)

November-December 2015

- Led public consultation on “Deliberation, analysis and decision-making for Mexico’s National REDD Strategy’s objectives, components and action lines” during the month of November 2015.
- Facilitated four informative stakeholder workshops (154 participants total).
- Data input of 123 surveys in Excel and submitted final report (32 pages) in Spanish to CONAFOR.

## **OTHER WORK EXPERIENCE**

### **6. Program Coordinator**

People and Plants International (Housed at the NY Botanical Garden)

August 2005 - July 2006

### **7. Fellowship Coordinator**

International Society of Ethnobiology (Housed at the NY Botanical Garden)

August 2005 - July 2006

### **8. Marketing Associate**

Sustainable Agriculture Program, Rainforest Alliance

March 2004 - July 2005

### **9. Research Assistant**

Institute of Economic Botany, New York Botanical Garden

People, Land Management and Environmental Change Program (PLEC)

May 1998 - July 2000

## PUBLICATIONS

- Ellis, E.A., Montero, S.A., Gómez, I.U.H., Montero, J.A.R., Ellis, P.W., **Rodriguez-Ward, D.**, Blanco-Reyes, P. and F.E. Putz. 2019. Reduced-impact logging practices minimize forest disturbance and carbon emissions in community managed forests on the Yucatán Peninsula, Mexico. *Forest Ecology & Management*, 437:396-410. <https://doi.org/10.1016/j.foreco.2019.01.040>
- Rodriguez-Ward, D.**, Larson, A.M., and H. Gordillo. 2018. Top-down, bottom-up and sideways: the multi-layered complexities of REDD+ in an emblematic subnational region. *Journal of Environmental Management*, 62(1): 98-116. <https://doi.org/10.1007/s00267-017-0982-5>
- Ellis, E.A., Kainer, K., Sierra-Huelsen, J.A., Negreros-Castillo, P., **Rodriguez-Ward, D.** and M. DiGiano. 2015. Endurance and adaptation of community forest management in Quintana Roo, Mexico. *Forests* 6:4295-4327. <https://www.mdpi.com/1999-4907/6/11/4295>
- Rodriguez-Ward, D. and P. Paredes de Aguilar. 2014. "The Valuation of Environmental Services in the Managed Forests of seven indigenous communities in Ucayali, Peru" in Sills EO, Atmadja SS, de Sassi C, Duchelle AE, Kweka DL, Resosudarmo IAP and Sunderlin WD, eds. *REDD+ on the ground: A case book of subnational initiatives across the globe*. Bogor, Indonesia: CIFOR: 166-184. <https://www2.cifor.org/redd-case-book/>
- Humphries, S., **Rodriguez-Ward, D.**, Violata Espada, A.L., Kainer, K., da Silva Santos, J., Blanco Reyes, P., Holmes, T. and P. Amaral. (forthcoming). "Now the loggers work for us: Taking control of logging on communal lands to stabilize forest-based communities, livelihoods, and families in Mexico and Brazil" in Bulkan, J. Hopley, M., Larson, A. and J. Palmer, eds. *Routledge Handbook on Community Forestry*.
- Solis, D., Cronkleton, P., Sills, E., and **Rodriguez-Ward, D.** (forthcoming). "Evaluating the impact of REDD+ interventions on household income in Peru."

## TECHNICAL REPORTS AND WORKING PAPERS

- Boyd, W., Stickler, C., Duchelle, A.E., Seymour, F., Nepstad, D, Bahar N., and **Rodriguez-Ward, D.** 2018. Ending Tropical Deforestation: A Stock-Take of Progress and Challenges, Jurisdictional approaches to REDD+ and Low Emissions Development: Progress and Prospects. World Resources International Working Paper. <http://wriorg.s3.amazonaws.com/s3fs-public/ending-tropical-deforestation-jurisdictional-approaches-redd.pdf>
- Larson, A.M., Libert Amico, A., Martius, C., Ravikumar, A., Gonzales Tovar, J., Kowler, L., Myers, R., **Rodriguez-Ward, D.**, Sanders, A, Trench, T., Yang, A.L. and P.R. Deschamps. 2018. Can multilevel governance transform business as-usual trajectories driving deforestation? Lessons for REDD+ and beyond. Infobrief 235. Bogor, Indonesia: CIFOR. <https://www.cifor.org/knowledge/publication/7043/>
- D. Rodriguez-Ward** and O. David. 2018. "Quintana Roo, Mexico" in C. Stickler et al. (Eds.), *The State of Jurisdictional Sustainability*. San Francisco, CA: EII; Bogor, Indonesia: CIFOR; Boulder, CO: GCF-TF.
- D. Rodriguez-Ward** and O. David. 2018. "Campeche, Mexico" in C. Stickler et al. (Eds.), *The State of Jurisdictional Sustainability*. San Francisco, CA: EII; Bogor, Indonesia: CIFOR; Boulder, CO: GCF-TF.
- D. Rodriguez-Ward** and O. David. 2018. "Yucatán, Mexico" in C. Stickler et al. (Eds.), *The State of Jurisdictional Sustainability*. San Francisco, CA: EII; Bogor, Indonesia: CIFOR; Boulder, CO: GCF-TF.

- D. Rodriguez-Ward** and O. David. 2018. "Tabasco, Mexico" in C. Stickler et al. (Eds.), *The State of Jurisdictional Sustainability*. San Francisco, CA: EII; Bogor, Indonesia: CIFOR; Boulder, CO: GCF-TF.
- Rodriguez-Ward, D.** and P. Blanco Reyes. 2017. Final report for the consultancy "Sistemas Agroalimentarios y comercializacion desde la cosmovision Maya local, Quintana Roo-Yucatan" for the Alianza Toj Oolal and financed by the W.K. Kellogg Foundation.
- Rodriguez-Ward, D.**, Blanco Reyes, P., Sills, E., and R. Lubowski. 2016. *Socioeconomic costs and benefits of forest management in the Yucatan Peninsula*. Final report. United States Agency for International Development (USAID), The Nature Conservancy (TNC), Alianza México REDD+, México, Distrito Federal.
- Rodriguez-Ward, D.**, Ellis, E., Armenta, S., Romero Montero, J.A., Hernández Gómez, I.U., and P. Blanco Reyes. 2016. *Cuantificando las emisiones de carbono del aprovechamiento forestal en la Península de Yucatán, México*. Policy Brief. United States Agency for International Development (USAID), The Nature Conservancy (TNC), Alianza México REDD+, México, Distrito Federal.
- Kowler L.F., Ravikumar A., Larson A.M., **Rodriguez-Ward D.**, Burga C. and Gonzales Tovar J. 2016. *Analyzing multilevel governance in Peru: Lessons for REDD+ from the study of land-use change and benefit-sharing in Madre de Dios, Ucayali and San Martin*. Working Paper 203. Bogor, Indonesia: CIFOR. [https://www.cifor.org/publications/pdf\\_files/WPapers/WP203Kowler.pdf](https://www.cifor.org/publications/pdf_files/WPapers/WP203Kowler.pdf)
- Ellis, E.A., **Rodriguez-Ward, D.**, and P. Blanco Reyes. 2015. *Quantifying the carbon emissions of Reduced Impact Logging practices in the Yucatan peninsula: Work plan and field protocol*. United States Agency for International Development (USAID), The Nature Conservancy (TNC), Alianza Mexico REDD+, Mexico, Distrito Federal.
- Ellis, E.A., **Rodriguez-Ward, D.**, Blanco-Reyes P., Romero-Montero, J.A., Hernández-Gómez, I.U. y Armenta-Montero. 2015. *Cuantificando las Emisiones de Carbono del Aprovechamiento Maderable con Impacto Reducido en la península de Yucatán: Reporte de Muestreo de Bosquetes en Noh Bec, Quintana Roo, México*. United States Agency for International Development (USAID), The Nature Conservancy (TNC), Alianza México REDD+, México, Distrito Federal.
- Rodriguez-Ward, D.** 2015. Informe final "Deliberación, análisis y toma de acuerdos sobre los objetivos, componentes y líneas de acción de la ENAREDD+ en ejidos asociados a la REPSERAM." Financed by CONAFOR, México.
- Ellis, E.A., **Ward, D.R.**, Romero Montero, J.A., Hernández, I.U. 2014. Improved Forest Management Opportunities for Forest Communities in the Peninsula Yucatán and Cutzamala Early Action Site. Report for the consultancy "A Field Survey of Timber Producing Community Forests and Assessing Opportunities for Improved Forest Timber Management Activities to Reduce or Remove Greenhouse Gas Emissions within Managed Forests in Mexico," financed by The Nature Conservancy (TNC) y USAID.
- Ellis, E.A., **Ward, D.R.**, Romero Montero, J.A., Hernández, I.U. 2013. Reporte Preliminar de Avances de la Caracterización del Manejo Forestal por Ejidos y Comunidades en la Península Yucatán y la AATR Cutzamala. Report for the consultancy "A Field Survey of Timber Producing Community Forests and Assessing Opportunities for Improved Forest Timber Management Activities to Reduce or Remove Greenhouse Gas Emissions within Managed Forests in Mexico", financed by The Nature Conservancy (TNC) y USAID.
- Alderman, P., Bost, J., Gill, T., Graves, D., Livengood, E., Mishkin, M, **Rodriguez-Ward, D.**, Wilsey, D.,Hildebrand, P. and N. Breur. 2007. *Farming systems and farmer decision-making in Columbia and Suwanee counties, Florida*. Southeast Climate Consortium Technical Report Series: 19-30.

## **PROFESSIONAL COLLABORATIONS AND CIVIC SERVICE**

- Board Member, REPSEAM (Environmental Services Producer Network) NGO, Mexico, 2015-2019
- Committee Member, Mexican Forests Better Management Practices Working Group, UF, 2012
- Student Planning Committee, Working Forests in the Tropics Conference, UF, U.S., 2008
- Organizer, Conservation and Development Forum, University of Florida, U.S., 2007-2008
- Coordinator, TROPILUNCH weekly seminar, University of Florida, U.S., 2006-2007
- Summer Intern, World Wildlife Fund, Temuco, Chile, 2001
- Independent Study, Institute of Economic Botany, New York Botanical Garden, U.S., 1997
- Volunteer, Natural Resources and Rights Program, Rainforest Alliance, New York, 1993
- Volunteer Ranger, Student Conservation Association, Olympic National Park, U.S., Summer 1993

## **CONFERENCES AND WORKSHOPS**

- Meliponiculture Colloquium: Leadership, Territory and Tradition, UIMQRO, Mexico, 2018
- Strengthening conservation capacity in a changing Amazon, National University of Ucayali, Peru, 2015
- REDD+ Benefit sharing dialogue, The Forests Dialogue, Chetumal, Mexico, 2014
- Better Forest Management Practices, Alianza Mexico REDD+, Campeche, Mexico, 2014
- Opportunities and challenges of managing funds for REDD+ initiatives in Mexico, FMCN, Mexico 2012
- Southeastern Council of Latin America (SECOLAS) Annual Meeting, Gainesville, Florida, US, 2012
- Biodiversity in Community Forest Enterprises and Certified Timber, UNDP/CONAFOR, Mexico, 2011
- Forest Governance, Decentralization and REDD+ in Latin America, CIFOR, Oaxaca, Mexico, 2010
- COP 16, Cancun, Mexico, 2010
- Society for Applied Anthropology Annual Meeting, Merida, Mexico, 2010
- Society for Economic Botany Annual Meeting, Xalapa, Mexico, 2010