

# Jenna M. Bloxom

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## EDUCATION

- 2009-Present **Colorado State University**, Fort Collins, Colorado  
Doctoral candidate, Department of Political Science  
*Degree foci:* international relations, environmental politics, comparative politics  
*Dissertation Title:* The Wild Blue Yonder of Green Innovation: An Analysis of the Viability of Renewable Jet Fuel and its Significance for Innovation Policy and the International Political Economy  
*Research Interests:* biofuels and bio-based synthetic hydrocarbons; global production networks and supply chains; energy policy; innovation policy; natural resource management; sustainable development
- 2007-2009 **The University of Arizona**, Tucson, Arizona  
Master of Arts, Latin American Studies  
*Degree foci:* biofuels; international development; water-energy nexus  
*Thesis:* Fueling the Appetite for Water: The Palm Oil Biofuel Industry in San Pedro Sula, Honduras
- 2002-2005 **Wake Forest University**, Winston-Salem, North Carolina  
Bachelor of Arts, Political Science  
Bachelor of Arts, Spanish

## RESEARCH EXPERIENCE

- 2009-2011 **Bioenergy Research Fellow**, *National Science Foundation IGERT Multidisciplinary Approaches to Sustainable Bioenergy Program, Colorado State University*  
Selected as one of only six doctoral students across CSU to collaborate in the 2009 interdisciplinary bioenergy program  
Completed coursework, lab rotations, and research related to biological, thermochemical, agricultural, political, economic, and ecological aspects of bio-based electricity, transportation fuels, and products while building professional relationships within and outside of academia  
Implemented multifaceted knowledge to create and evaluate original biofuels project development analyses with a team of colleagues

- 2008-2009 **Water Sustainability Fellow**, *Water Resources Research Center, University of Arizona*  
Composed research project proposal and budget for research opportunity through the University of Arizona's Technology and Research Initiative  
Analyzed immediate and long-term effects of proposed algae biomass as well as algae-based fuel and chemicals industries on Arizona water policy and management strategies across state's economic, legal, political, and environmental realms  
Conducted interviews with stakeholders and assessed relevant water data
- Summer 2008 **Tinker Foundation Research Scholar**, *San Pedro Sula, Honduras*  
Designed research grant and budget to complete thesis fieldwork  
Investigated current and future impacts of the African palm oil agriculture and biodiesel industries with regards to groundwater resources and sustainable land management  
Assessed the political, economic, and social spheres affected by renewable energy programs as well as internationally privatized water contracts  
Collaborated with public, private, and grassroots actors to better understand impacts of local bio-based transportation fuels and anaerobic digestion
- Summer 2005 **Richter Foundation Research Scholar**, *Buenos Aires, Argentina*  
Crafted and implemented grant application and budget to examine water privatization as a political, industrial, and social institution in Buenos Aires  
Compiled statistical, technical and historical data on water quality, contracts, technology, and allocation  
Interviewed over 100 citizens and systematically analyzed public opinion

## PROFESSIONAL EXPERIENCE

- 2026 **President of the Board of Directors**, *Advanced Biofuels USA*  
Volunteer since 2018 and elected board member since 2019  
Consult on strategic outreach, public engagement, and educational course material development  
Advise organizations and students on current biofuel issues and policies  
Edit and contribute to mission statements, reports, presentations, and teaching materials for public usage  
Attend conferences, publish online industry analyses, spread organizational awareness, and bolster collaboration with private and academic entities
- 2012-2015 **Bioenergy and Political Science Instructor**, *Colorado State University, Fort Collins, CO*  
Designed original curricula, lectures, and coursework for Ph.D. bioenergy policy class as well as for an introductory undergraduate international relations course  
Managed and directed duties of two teaching assistants each semester while teaching classes with enrollments up to 150 students

Led discussions regarding domestic and international policies related to bioenergy technology, innovation, and public perception before advising on complex bioenergy projects

Taught inclusive fundamentals of international relations, foreign policy, security, global political economy, and transnational environmental politics

- 2014-2015 **Senior Corporate Governance Intern**, *Woodward, Inc., Fort Collins, CO*  
Consulted as socio-political expert regarding initial corporate sustainability / responsibility report  
Recommended fundamental information and strategic planning for report content and guidelines  
Managed team of interns in researching, composing, and editing drafts  
Created and edited press releases and corporate publication material
- Summer 2010 **Biomass Intern**, *American Council On Renewable Energy, Washington, D.C.*  
Performed daily tasks of Biomass Coordinating Council under direction of Bill Holmberg including writing press releases, interacting with members and NGOs, educating governmental and public agencies, translating international business plans, and organizing grant opportunities  
Collaborated with the DOE, White House, and private bank representatives to assist in executing international finance and policy conferences  
Interfaced with various governmental and non-governmental actors to help forge biomass and bioenergy industrial goals
- 2006-2007 **Flight Attendant**, *Colgan Air (Continental Connections), Houston, TX*  
Completed flight safety and medical emergency training  
Ensured the safety and comfort of airline passengers traveling in Texas, Louisiana, and Oklahoma on Saab 340 aircraft
- Summer 2004 **Intern**, *Centro Cultural Arocena, Torreón, Mexico*  
Provided research, artifact preservation, and interpreting services in museum administrative offices  
Executed in-depth research of local historical agribusiness and water rights as well as present-day land and water quantity, quality, and allocation issues
- 2004-2005 **Director**, *Aprender y Enseñar Student Volunteer Program, Wake Forest*  
Served as Administrative Coordinator of volunteer training and activities for largest student volunteer organization on campus  
Recruited students and performed liaison and managerial duties between thirty students and ten community organizations  
Tutored bilingual and Spanish-speaking elementary school students
- 2003-2005 **Research and Teaching Assistant**, *Wake Forest University, NC*  
Assisted designing and teaching freshman seminar course on immigration issues and tutored students on weekly basis  
Aided in grant resource development and applications regarding international

water issues as well as Mexico agriculture and water policies  
Assisted in writing and editing of water policy articles

## PUBLICATIONS AND AWARDS

- 2025 “Outlooks on SAF and Energy Trajectories: Energy Projects Conference and Expo 2025” on [AdvancedBiofuelsUSA.com](http://AdvancedBiofuelsUSA.com), July 24, 2025
- 2021 “Winning the Future: Analyzing the CLEAN Future Act and Its Implications for Biofuels” on [AdvancedBiofuelsUSA.com](http://AdvancedBiofuelsUSA.com), May 18, 2021
- 2018 “The 2018 Algae Biomass Summit: Tracing the Evolution of the Algae Industry And Its New Trajectories Forward” on [AdvancedBiofuelsUSA.com](http://AdvancedBiofuelsUSA.com). Nov. 17, 2018
- 2018 “Mired in Misère: Re-Launching Political Capital and Public Trust for Biofuels— Seven Strategies to Reinstate Our Industry’s Power in Washington, D.C. through Mainstreet, USA” in *Biofuels Digest*, June 7, 2018.
- 2015 Department of Political Science Graduate Student Teaching Award
- 2013 Developed ten original strategies for clean energy-related economic development at the local administration level through a case study of Portland, Oregon in: “Energy, the Environment, and Economics” chapter in: *Opp, Susan M., and Jeffery L. Osgood, Jr. 2013. Local Economic Development and The Environment: Finding Common Ground. Boca Raton, FL: CRC Press.*

## CONFERENCES

- April 2018 Presenter, 2018 *Algae Biomass Summit*, “From Pipette Dream to Political Powerhouse: Building Political Capital for Commercialization Success”, Houston, TX
- April 2015 Presenter, 2015 *American Associations of Geographers*, “The Sky is the Limit: How Bio-Based Jet Fuel Is Propelling the Bio-Economy Discussion to New Heights”, Chicago, IL
- Aug 2012 Presenter, 2012 *Western Energy Policy Research Conference*, “Are Green Hydrocarbons the Solution to Biofuels’ Water Blues?”, Boise, ID
- Sept. 2010 Presenter, *Algae Biomass Summit 2010*, “Harvesting Algal Potential, Extracting Political Reality”, Phoenix, AZ
- May 2010 Poster Presenter, *Tribal Renewable Energy Workshop*, “Fluid Realities: Water Considerations for Tribal Nations from Honduras”, Seattle, WA
- June 2009 Presenter, *Groundwater for the Americas*, “Green Alternatives, Blue Appetites: Groundwater and the Palm Oil Biodiesel Industry in Honduras”, Panama City, Panama
- April 2009 Presenter, 2009 *Ground Water Summit*, “Fueling the Appetite for Water: Climate Change and the Biofuel Industry in Honduras”, Tucson, AZ
- Oct 2008 Presenter, *Tinker Symposium*, Univ. of Arizona, “Fueling the Appetite for Water: Palm Oil Biodiesel Industry in San Pedro Sula, Honduras”, Tucson, AZ

## SKILLS

Over 20 years of analysis experience regarding international relations, natural resource management, environmental policies and decision-making, sustainable socio-economic development, water allocation and availability

Nineteen years of expertise in biofuels and bioenergy technical logistics / policies including feedstock procurement strategies, trade flows and market influences, and new technology related to bio-based synthetic hydrocarbons

Experience in domestic and international research grants with original fieldwork and budgetary planning and management in:  
U.S. (2008-2015); Honduras (2008); Argentina (2005); Mexico (2004)

Qualitative and quantitative (SPSS) research and analytical experience

Public presentation creation and delivery to diverse audiences on both political and technical issues

Four years of teaching and course creation experience at university level

Academic and professional experience in coordinating with bureaucratic, corporate, and non-profit entities

Spanish written and conversational proficiency

Portuguese reading proficiency

Expertise in Microsoft Office program including Outlook, Word, PowerPoint, and Excel

Organizational and outreach experience with grassroots associations

Strategic analysis and consensus-building skills to coordinate stakeholders