

Meg Mills-Novoa
Curriculum Vitae

Environmental Science, Policy, and Management
Energy and Resources Group
University of California, Berkeley
mmillsnovoa@berkeley.edu
megmillsnovoa.weebly.com

EDUCATION

UNIVERSITY OF ARIZONA

2016-2021. Ph.D. candidate in Geography, minor in remote sensing & spatial analysis
Doctoral Committee: Drs. Diana Liverman (Chair), Liz Oglesby, Rutgerd Boelens, Andrea Gerlak & Gökçe Gunel
Dissertation: *“Envisioning, Implementing, and Sustaining Climate Change Adaptation: A Multi-Scalar Study of Adaptation Projects in Ecuador”*

UNIVERSITY OF ARIZONA

2014-2016. M.A. student, Geography, certificate in water policy
Master’s Committee: Drs. Christopher Scott (Chair), Diana Liverman & Tracey Osborne
Thesis: *“Understanding Water Policy as Agricultural Policy: How Integrated Water Resource Management (IWRM) Reform is Reshaping Agricultural Landscapes in Piura, Peru under Climate Change”*

LEWIS & CLARK COLLEGE

2005-2009. B.A. with honors, Environmental Studies & Conservation Biology
Advisors: Drs. Liz Safran & Jim Proctor
Thesis: *“Who Gives a Dam: An analysis of the role of various stakeholders in creating water infrastructure projects geared toward adapting to the impacts of climate change on agriculture in Canterbury, New Zealand”*

PROFESSIONAL APPOINTMENTS

2021 Assistant Professor, Energy Resources Group & Environmental Science, Policy, and Management, University of California, Berkeley
2020 Program Manager/Outreach Coordinator, Climate Impacts Research Consortium, Oregon State University
2019 NSF/NWO Research Fellow, Water Resources Management Group, Wageningen University
2017-2018 Program Manager, Community and School Garden Program, University of Arizona
2017 Climate Change Adaptation Intern, United Nations Development Program, Latin America Regional Hub

2015-2018 Geospatial Data Coordinator, Climate Alliance Mapping Project, Public Political Ecology Lab, University of Arizona
2016 University of New Hampshire Sustainability Fellow, One Montana - Resilient Montana Program
2013-2014 Luce Scholar, Centre for Sustainable Rural Development, Hanoi, Vietnam
2012-2013 Hunger Education Coordinator, Food Bank of the Southern Tier, Elmira, NY
2011-2012 Fulbright Research Fellow, Centro de Cambio Global, Pontificia Universidad Católica de Chile, Santiago, Chile
2010 Policy Analyst, National Family Farm Coalition, Washington D.C.
2009-2010 Bill Emerson National Hunger Fellow, New Mexico Community Foundation, Albuquerque, NM
2009 Environmental Studies GIS Coordinator, Lewis & Clark College
2008-2009 Andrew W. Mellon Undergraduate Environmental Research Fellow, Lewis & Clark College

PUBLICATIONS

- PEER-REVIEWED Eriksen, S., Schipper, L.F., Scoville-Simonds, M., Vincent, K., Lenaerts, L., Nicolai Adam, H., Brooks, N., Harding, B., Khatri, D., Liverman, D., **Mills-Novoa, M.**, Mosberg, M., Muok, B., Nightingale, A., Ojha, H., Sygna, L., Taylor, M., Vogel, C., West, J.J. (2021) Climate change adaptation interventions in developing countries: Help, Hindrance, or Irrelevant? *World Development* 141: 105383
DOI: [10.1016/j.worlddev.2020.105383](https://doi.org/10.1016/j.worlddev.2020.105383)
- Kinnebrew, E., Shoffner, E., Farah, A., **Mills-Novoa, M.**, and Siegel, K. (2020) Approaches to interdisciplinary mixed methods research in land change science and environmental management. *Conservation Biology*
DOI: [10.1111/cobi.13642](https://doi.org/10.1111/cobi.13642)
- Mills-Novoa, M.**, Boelens, R., Hoogesteger, J., and Vos, J. (2020) Governmentality, Hydrosocial Territories & Recognition Politics: The making of subjects and objects for climate change adaptation in Ecuador. *Geoforum* 115: 90-101
DOI: [10.1016/j.geoforum.2020.06.024](https://doi.org/10.1016/j.geoforum.2020.06.024)
- Mills-Novoa, M.** (2019) Making agro-export entrepreneurs out of *campesinos*: The role of water policy reform, agricultural development initiatives, and the specter of climate change in reshaping agricultural systems in Piura, Peru. *Agriculture and Human Values* 37: 667-682
DOI: [10.1007/s10460-019-10008-5](https://doi.org/10.1007/s10460-019-10008-5)
- Anderson, E., Osborne, T., Madonado-Ocampo, J., **Mills-Novoa, M.**, Castello, L., Montoya, M., and Jenkins, C. (2019) Energy development

reveals blind spots for Amazon Conservation. *Frontiers in Ecology and the Environment* 17(9): 521-529
DOI: [10.1002/fee.2114](https://doi.org/10.1002/fee.2114)

Mills-Novoa, M. and Liverman, D. (2019) Nationally Determined Contributions: Material and discursive climate commitments in the NDCs. *WIREs Climate Change* 10(5)
DOI: [10.1002/wcc.589](https://doi.org/10.1002/wcc.589)

Gerlak, A., Saguier, M., **Mills-Novoa, M.**, Fernside, P. and Albrecht, T.R. (2019) Dams, Conflicts, Chinese Investments, and EIAs: A Race to the Bottom for South America? *Ambio* 49(1): 156-164
DOI: [10.1007/s13280-018-01145-y](https://doi.org/10.1007/s13280-018-01145-y)

Gerlak, A., Weston, J., McMahon, B., Murray, R., and **Mills-Novoa, M.** (2018) Climate Risk Management and the Electricity Sector. *Climate Risk Management* 19: 12-22
DOI: [10.1016/j.crm.2017.12.003](https://doi.org/10.1016/j.crm.2017.12.003)

Mills-Novoa, M and Taboada, R. (2017) Coexistence and Conflict: IWRM and Large-Scale Water Infrastructure Development in Piura, Peru. *Water Alternatives* 10(2): 370-394

Mills-Novoa, M., Borgias, S., Crootof, A., Thapa, B., and Scott, C. (2016) Bringing the Hydro-social Cycle into Climate Change Adaptation Planning: Lessons from the Andean mountain water towers. *Annals of the Association of American Geographers* 107(2): 393-402
DOI: [10.1080/24694452.2016.1232618](https://doi.org/10.1080/24694452.2016.1232618)

Brice, B., Fullerton, C., Hawkes, K., **Mills-Novoa, M.**, O'Neill, B., and Pawlowski, V.M. (2017) A Multi-Region Snapshot and Agency Contrast of US Natural Areas Recreation Regarding the Impacts of Climate Change. *Natural Areas Journal* 37(1): 86-97
DOI: [10.3375/043.037.0111](https://doi.org/10.3375/043.037.0111)

de Grenade, R., L. House-Peters, C.A. Scott, B. Thapa, **M. Mills-Novoa**, A. Gerlak, and K. Verbist. (2016) The Nexus: Reconsidering Environmental Security and Adaptive Capacity. *Current Opinion in Environmental Sustainability* 21: 15-21
DOI: [10.1016/j.cosust.2016.10.009](https://doi.org/10.1016/j.cosust.2016.10.009)

Mills-Novoa, M., Pszczolkowski, P., and Meza, F. (2016) The Impact of Climate Change on the Viticultural Suitability of Maipo Valley, Chile. *Professional Geographer* 68(4): 561-573
DOI: [10.1080/00330124.2015.1124788](https://doi.org/10.1080/00330124.2015.1124788)

Safran, E. B., Anderson, S. W., **Mills-Novoa, M.**, House, P. K., and Ely, L. (2011) Controls on large landslide distribution and implications for the geomorphic evolution of the southern interior Columbia River basin. *Geological Society of America Bulletin* 123:1851-1862
DOI: [10.1130/B30061.1](https://doi.org/10.1130/B30061.1)

Barthell, JF, Hranitz, JM, Redd, JR, Clement, ML, Crocker, K, Becker, E, Leavitt, KD, McCall, B, **Mills-Novoa, M**, Walker, CM, Petanidou, T & Wells, H. (2012) Observations on nectar availability and bee visitation at patches of yellow star-thistle and chasteberry on the NE Aegean island of Lesvos. *Uludağ Bee Journal* 12:55-61

BOOK CHAPTERS Gerlak, A.K., Elmer, T.R., Brisbois, M.C., **Mills-Novoa, M.**, Schmitz, L., Luimers, J., and Abernethy, P. (2020) Power(ful) and Power(less): A Review of Power in the ESG Agency Scholarship. In: *Agency in Earth System Governance*. Cambridge University Press

Gerlak, A.K., **Mills-Novoa, M.**, Elder, A., Enechi, O., Sharma, P., and Singh, K. (2020). How Geographies and Issues Matter in ESG Agency Research. In: *Agency in Earth System Governance*. Cambridge University Press

SCIENTIFIC ASSESSMENTS Contributing author, Water chapter, IPCC: AR6 (expected 2021)

Co-lead author, Agriculture chapter, Montana Climate Assessment (2017)

Contributing author, Rural Areas chapter, IPCC: AR5 (2014)

MANUSCRIPTS IN SUBMISSION Siegel, K., Farah-Pérez, A., Kinnebrew, E., **Mills-Novoa, M.**, Ochoa, J., and Shoffner, E. (*Submitted: July 28, 2021*) Integration of qualitative and quantitative methods for land use change modeling in a protected area in an Amazonian deforestation frontier. *Conservation Biology*

MANUSCRIPTS IN PREPARATION **Mills-Novoa, M.**, Siegel, K., Kinnebrew, E., Farah, A., Shoffner, E., Ochoa, J., Golden-Kroner, R., and Costa Junior, C. (*Projected Submission: January 2021*) An Integrated Mixed-Method Approach for Improving Forest Loss Modeling in Amazonian Protected Areas. Target Publication: *Ecology & Society*

Mills-Novoa, M., Boelens, R., Hoogesteger, J., and Vos, J. (*Projected Submission: August 2021*) Adaptation's Unruly Subjects: The (Re)making of Climate Change Adaptation Projects in the Ecuadorian Highlands. Target Publication: *Antipode*

Shoffner, E., **Mills-Novoa, M.**, Kinnebrew, E., and Siegel, K. (*Projected Submission: August 2021*) Interpreting the perceived relationships among

deforestation drivers and solutions in the Amazon Basin through multi-scalar discourse analysis. Target Publication: *Global Environmental Change*.

Mills-Novoa, M. Adaptation's Experts: The Right Rites of Professional Formation. (*Projected Submission: December 2021*) Target Publication: *Annals of the American Association of Geographers*

Mills-Novoa, M. How Climate Change Adaptation Projects Endure: An analysis of adaptation success and failure in the Ecuadorian Highlands. (*Projected Submission: February 2022*). Target Journal: *Global Environmental Change*

OUTREACH
DOCUMENTS

Eriksen, S., Schipper, L.E., Lenaerts, L., Scoville-Simonds, M., Adam, H., Brooks, N., Harding, B., Khatri, D., Liverman, L., **Mills-Novoa, M.**, Mosberg, M., Muok, B., Nightingale, A., Ojha, H., Sygna, L., Taylor, M., Vincent, K., Vogel, C., and J.J. West. (2018) Climate change interventions and vulnerability reduction in developing countries: Challenges and leverage points for transformation. Background paper submitted to Norwegian Ministry of Foreign Affairs

Mills-Novoa, M., Vereczi, G., Ferroukhi, L., and Fairholm, J. (2017) Climate Change Adaptation Across Latin America and the Caribbean. United Nations Development Program (UNDP) White Paper

Mills-Novoa, M., Boone, M., Brown, Z., Bauer, B., and Sarchet, B. (2017) How Montana agriculture can respond to changing weather and climate patterns. MontGuides for Montana State University Extension: 1-4

Mills-Novoa, M., M. Boone, Z. Brown, and B. Bryan. (2016) How Farmers Can Be at the Forefront of Addressing Climate Change. One Montana Working Paper. Bozeman, MT

Mills-Novoa, M. (2010) Harnessing Youth Voice in the Fight Against Hunger: The Role of Youth in Evaluating Federal Nutrition Assistance Programs within Albuquerque Public Schools. Washington, D.C.: Hunger Free Community Report, Congressional Hunger Center

Mills-Novoa, M. (2011) Sustaining Family Farming through Mentoring: A Toolkit for National Family Farm Coalition Members. National Family Farm Coalition Working Paper

CREATIVE
NON-FICTION

Mills-Novoa, M. (July 2020) On the Space between Success and Failure. Terrain.org. <https://www.terrain.org/2020/science-stories/space-between/>

Mills-Novoa, M (2016) “What it Means to Convene” *Invited blog post for University of New Hampshire Sustainability Institute.*
<https://sustainableunh.unh.edu/blog/2016/08/what-it-means-“convene”>

INVITED TALKS

Hydrosocial Territories, Recognition Politics and Climate Change Adaptation in the Ecuadorian Highlands. *Expert Knowledges Meeting*, 2019, Wageningen University, Netherlands

Global Change Grad Student Panel. *Surviving Peak Drought and Warming Workshop*, 2018, University of Arizona

Mapping our Climate Justice Stories: How we can Support a Just Transition to Renewable Energy through Web-based Mapping, *Borderlands Brewing Science Café Series*, 2018, Tucson, AZ

How Montana’s Farmers and Ranchers can be at the Forefront of Addressing Climate Change. Invited talk to the *Montana Governor’s Food and Agriculture Summit*, 2016, Bozeman, MT

How to Maximize your Mentoring or Apprentice Experience. *The Young Farmers Conference of the Stone Barns Center for Food & Agriculture*, 2010, Pocantico Hills, NY.

CONFERENCE PARTICIPATION

CONFERENCE ADMINISTRATION International Scientific Committee, 2nd World Forum on Climate Justice 2021, Glasgow, Scotland (virtual)

Co-Chair, 2008 Environmental Studies Symposium: Scales of Sustainability, Lewis & Clark College, Portland, OR

PANELS ORGANIZED Refocusing critical adaptation research: From international climate policy toward the embodied experiences of beneficiaries and technocrats I & II. Paper Session. AAG 2021, Seattle, WA (virtual)

Qualitative and Quantitative Approaches to Understanding Deforestation Dynamics in the Amazon Basin. Panel. AAG 2021, Seattle, WA (virtual)

Qualitative and Quantitative Approaches to Understanding Deforestation Dynamics in the Amazon Basin. Paper Session. AAG 2020, Denver, CO

Community Organizing for Food Justice. Food Security and Social Justice Network Community Discussion Panel Series. March 2017, Tucson, AZ

Food Labor. Food Security and Social Justice Network Community Discussion Panel Series. April 2016, Tucson, AZ

Indigenous Food Sovereignty. Food Security and Social Justice Network Community Discussion Panel Series. November 2016, Tucson, AZ

Urban Food Justice. Food Security and Social Justice Network Lunchtime Panel Series. November 2015, Tucson, AZ

PAPERS
PRESENTED

Mills-Novoa, M. and K. Odegard. Translating the Climate Resilience Workbook Series from Paper to Practice: Lessons from the Spokane Community Adaptation Project. *Northwest Climate Change Conference*, 2021, Virtual

Mills-Novoa, M. After Adaptation: Assessing the Enduring Impacts of Climate Change Adaptation Projects in the Ecuadorian Andes. *Annual Meeting of the Association of American Geographers (AAG)*, 2021, Virtual

Mills-Novoa, M., Boelens, R., Hoogesteger, J., and J. Vos. Adaptation's Unruly Subjects: The Remaking of Climate Change Adaptation Projects in Ecuador. Panel on Social Justice in Climate Change Adaptation Policies, *EASST+4S Conference*, 2020, Virtual

Mills-Novoa, M. Making agricultural entrepreneurs out of *campesinos*: How water policy reform is reshaping agricultural systems under climate change in Piura, Peru. *Conference of Latin American Geography*, 2018, San Jose, Costa Rica

Mills-Novoa, M., Osborne, T., Lee, J., and Franklin, F. Mapping Geographies of Unburnable Carbon and Fossil Fuel Infrastructure: Lessons from the Climate Alliance Mapping Projects (CAMP). *Annual Meeting of the Association of American Geographers (AAG)*, 2018, New Orleans, LA

Mills-Novoa, M. and D. Liverman. Intended Nationally Determined Discursive Contributions: A discourse analysis of INDCs from top emitters and the climate vulnerable forum, *Lund Conference on Earth System Conference*, 2017, Lund, Sweden

Mills-Novoa, M. Looking Upstream: Adaptive Agricultural Land Use in Piura, Peru. *Annual Meeting of the Association of American Geographers (AAG)*, 2016, San Francisco, CA

Mills-Novoa, M. The Impact of Climate Change on the Viticultural Suitability of the Maipo Valley, Chile. *Annual Meeting of the Association of American Geographers (AAG)*, 2015, Chicago, IL

Mills-Novoa, M. Who Gives a Dam: An analysis of the role of various stakeholders in creating water infrastructure projects geared toward adapting to the impacts of climate change on agriculture in Canterbury, New Zealand. *Annual Meeting of the American Association of Environmental Studies and Sciences*, 2010, Portland, OR

GRANTS & FELLOWSHIPS

- 2020** UA: College of Social and Behavioral Sciences Summer Dissertation Writing Fellowship (\$6,000)
- 2019** NSF Doctoral Dissertation Research Improvement Grant (\$17,984)
Conference of Latin American Geography PhD Field Study Award (\$1,500)
NSF/NWO Graduate Research Opportunities Worldwide grant (\$15,000)
Graduate and Professional Student Council Research Award (\$1,000)
AAG Dissertation Fieldwork Grant (\$1,000)
American Geographical Society Council Fellowship (\$1,500)
Women in Science Student Council Travel Award (\$300)
- 2018** School of Behavioral and Social Sciences Research Institute Dissertation Grant (\$2,000)
Idagrace Guy Endowed PEO Scholar (\$15,000)
National Socio-Environmental Synthesis Center (SESYNC) Grad Pursuits Interdisciplinary Grant (co-PI)
AAG-Cultural Anthropology & Political Ecology (CAPE) Specialty Group Dissertation Fieldwork Award (\$600)
AAG-Latin American Specialty Group Dissertation Fieldwork Award (\$1,000)
Tinker Foundation Research Travel Award (\$2,000)
- 2017** Sustainable Development Goals Summer Research Grant (\$1,500)
Haury Program in Environment and Social Justice Carson Scholar (\$5,000)
Graduate and Professional Student Council Travel Award (\$1,000)
- 2016** Graduate and Professional Student Council Research Award (\$900)
University of New Hampshire Sustainability Institute Summer Fellowship (\$6,000)
Institute of the Environment Travel Grant (\$500)
Green Fund Mini Grant to support Food Systems and Social Justice Network (co-leader) (\$3,000)
- 2015** Graduate and Professional Student Council Travel Award (\$750)
NSF Graduate Research Fellowship (\$139,000, over 3 years)
Society of Women Geographers' Pruitt Minority Fellowship (\$4,000)
Green Fund Mini Grant to support Food Systems and Social Justice Network (co-leader) (\$3,000)
Graduate and Professional Student Council Travel Award (\$750)

- UA School of Behavioral and Social Sciences Pre-Doctoral Grant (\$500)
Tinker Foundation Research Travel Award (\$1,950)
Institute of the Environment Travel Grant (\$500)
- 2013** Luce Foundation Scholar
- 2010** Fulbright Research Fellowship (\$15,000)
- 2009** Emerson National Hunger Fellowship
- 2008** Lewis & Clark College Student Academic Affairs Board Research Award (\$3,500)
Mellon Foundation Environmental Studies Undergraduate Research Award (\$6,000)
- 2005** Trustee Merit Scholarship (\$84,000, over 4 years)
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AWARDS AND HONORS

- 2020** National Socio-Environmental Synthesis Center Graduate Research Fellow (\$2000)
Society for Social Studies of Science Conference Travel Award (\$50)
- 2018** Conference of Latin American Geography Travel Award (\$500)
Ag, Food, and Human Values Society Graduate Student Best Paper Award (\$300)
- 2017** Latin American Summer School on Social Issues Participant
- 2016** Borlaug Summer Institute on Global Food Security Participant
- 2015** AAG-Wine Specialty Group Best Student Paper Award (\$100)
- 2009** American Association of University Women Senior Woman Recognition Award
Environmental Tripod Award
President's Award for Civic Engagement
Phi Beta Kappa
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TEACHING EXPERIENCE

UNIVERSITY OF ARIZONA

- PA561:** Climate Change: Science, Politics & Security, Instructor of Record (8-week term; online; Fall 2020)
- GEOG230:** Our Changing Climate, Instructor of Record (5-week term; online; Summer 2018)
- GEOG304:** Water & Society, Guest Lecturer (Spring 2017)

WAGENINGEN UNIVERSITY

- WRM603:** Research Design, Co-Instructor and Course Assistant, Master's Program in International Land and Water Management (4-week term; Summer 2019)

LEWIS & CLARK COLLEGE

BIO180: Investigations in Genetics and Evolution, Teaching Assistant (16-week term; Spring 2009)

POPULAR EDUCATION

Breaking Down Our Food System: A two-day introduction to critical food studies, Co-Instructor (Spring 2017)

Hunger Education Program, Food Bank of the Southern Tier, Elmira, NY, Program Director & Curriculum Developer (2012-2013)

LANGUAGES

Spanish (excellent spoken and written)

Vietnamese (conversational spoken)

PROFESSIONAL MEMBERSHIPS

Phi Beta Kappa (2009-present)

Association of Pacific Coast Geographers (2014 - present)

Association of American Geographers (2014 - present)

Conference of Latin American Geography (2014 - present)

U of Arizona Water Policy and Resources Group (2014 –2016)

Public Political Ecology Lab (2015 – 2019)

Society of Women Geographers (2015 - present)

Agriculture, Food, and Human Values Society (2018-present)

American Geographical Society (2018-present)

SERVICE & OUTREACH

Agriculture and Human Values: Reviewer (2020)

Food Security & Social Justice Network: Co-founder (2014 - 2020)

Water Alternatives: Reviewer (2018)

Office of Community Engagement & Fellowships, U of Arizona: Grant & Fellowship Editor (2016-2018)

School of Geography & Development: Faculty Student Representative (2017 –2018)

Pima County Food Alliance: Leadership Committee member (2015 –2018)

Women in Science and Engineering: Volunteer Educator (2017)

Southern Arizona Geographers Association: Co-President (2016 - 2017)

U of A-SGD: Professional Development Committee (2014 - 2016)

Graduate and Professional Student Council: Travel Grant Judge (2015)