

## **Emily McGlynn**

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### **Experience**

**PhD student and Researcher** ▪ Agricultural and Resource Economics, University of California, Davis ▪ 2017 – present

PhD student in one of the top global departments for resource economics, supported by a three-year fully funded National Science Foundation fellowship. Research focuses on the effects of wood products markets on forest management, and net carbon sequestration results, as well as greenhouse gas measurement and accounting of land use, land use change, forestry, and agriculture.

**Deputy Associate Director for Energy and Climate Change** ▪ White House Council on Environmental Quality, Washington DC ▪ 2016

Lead co-author of the U.S. Mid-Century Strategy for Deep Decarbonization, an in-depth analysis invited by the UN Paris Agreement that describes key technologies and investments required to reduce U.S. GHG emissions by 80 percent from 2005 levels by 2050. Developed and oversaw original interagency modeling and analysis. Supported policy strategy on conservation finance, biogenic emissions accounting, and public lands management.

**Director of Strategy and Policy** ▪ The Earth Partners, Washington DC ▪ 2014–2015

Managed commercial relationships with counterparties and government officials in five major export and U.S. markets for large-scale bioenergy and land restoration infrastructure projects, successfully integrating “conservation biomass” concept into UK, Dutch, and Belgian renewables policies. Ensured sustainability compliance in accordance with Roundtable for Sustainable Biomaterials, Sustainable Biomass Partnership, and Sustainable Forests Initiative certifications. Originated and directed all consulting projects, managing and executing research projects for bioenergy, ecosystem restoration, and climate policy with government, NGOs, private sector partners, and universities.

**Senior Advisor** ▪ U.S. Department of State, Washington DC ▪ 2011 – 2013

Managed over \$15 million of international government programs related to climate change, including all U.S.-China climate change cooperation. Led U.S. government interagency and international teams on global programs related to short-lived climate pollutants, supporting Secretary Clinton’s priority program the Climate and Clean Air Coalition. Supported Special Envoy for Climate Change Todd Stern on all domestic policy analysis and in UN climate negotiations.

**Transatlantic Fellow** ▪ Technische Universitaet, Ecologic Institute, Berlin, Germany ▪ 2009 – 2011

Researcher in Economics of Climate Change Department under IPCC Co-Chair Ottmar Edenhofer. Co-author on major transportation and emissions trading report and *Energy Policy* article. At Ecologic Institute, led research and report writing with EU-wide research consortiums on EU environmental policy, carbon trading markets, and sustainable development.

### **Education**

Bachelor of Arts, Biology, Economics ▪ Bryn Mawr College, Bryn Mawr, PA ▪ 2009 ▪ GPA: 3.9, Summa cum laude, Valedictorian

## Honors and Awards

STEM Solutions Policy Award, UC Sacramento Center (\$1,000)	2019
John Muir Institute for Environment Graduate Fellowship (\$5,000)	2019
Graduate Student Association Travel Award, Davis, CA (\$500)	2019
Henry A. Jastro Graduate Research Scholarship Award, Davis, CA (\$2,975)	2019
National Science Foundation Graduate Research Fellowship, Washington DC (\$100,800)	2018
Outstanding Oral Presentation, Arctic Frontiers Conference, Tromsø, Norway	2011
Transatlantic Renewable Energy Fellowship, Berlin, Germany (€4,050)	2009
Gertrude Slaughter Fellow, Bryn Mawr College Valedictorian (\$3,000)	2009
Harry S. Truman Scholarship, Washington D.C. (\$30,000)	2008
Gail Ann Schweiter Prize for Music and Science, Bryn Mawr, PA (\$500)	2008
Annie's Environmental Studies Scholarship, Napa, CA (\$1,000)	2007
Alumnae Regional Scholarship, Bryn Mawr, PA (\$3,600)	2006
Daria Cheremeteff Fund Recipient, Bryn Mawr, PA (\$3,600)	2006

## Publications

### *Journal Articles*

**McGlynn, E.**, Favero, A., Olvera, B.A. (in prep) DICELAND: Exploring the economics of forests carbon sequestration and surface albedo in global climate policy.

**McGlynn, E.**, Harper, K., Li, S., Berger, M. (in prep) Assessing Uncertainty and Bias in the U.S. Land Use, Land Use Change, and Forestry Greenhouse Gas Inventory.

Fargione, J., Bassett, S., Boucher, T., Bridgham, S., Conant, R., Cook-Patton, S., Ellis, P., Falcucci, A., Fourqurean, J., Gopalakrishna, T., ..., **McGlynn, E.**, et al. (2018) Natural climate solutions for the United States. *Science Advances*, 4(11).

Bodnar, P., Ott, C., Edwards, R., Hoch, S., **McGlynn, E.**, Wagner, G. (2018) Underwriting 1.5°C: competitive approaches to financing accelerated climate change mitigation. *Climate Policy*, 18, 368–382, doi:10.1080/14693062.2017.1389687.

Creutzig, F., **McGlynn, E.**, Minx, J., Edenhofer, O. (2011) "Climate policies for road transport revisited: Evaluation of the current framework" *Energy Policy*, 39(5):2396-2406

Cavalieri, S., **McGlynn, E.**, Stoessel, S., et al. (2011) "The EU's Arctic Footprint." *Journal of Nordregion*. Vol 11, 27.

Cavalieri, S., **McGlynn, E.**, Stoessel, S., et al. (2011) "Spurensuche: Der kologische Fussabdruck der EU in der Arktis." *Osteuropa*, Vol. 2-3, 211-223.

**McGlynn, E.** (2009) "Advocating Native Bee Pollination Services on US Farms." *WRDC Rural Connections: Food Security in the Western US*, 4(1):33-36.

**McGlynn, E.** (2008) "Filling Up on Hot Air: The Road to a Hydrogen Economy." Lead Domestic Article for *Virginia Policy Review*, University of Virginia, Vol. 2, Issue 1.

### *Reports and other publications*

**McGlynn, E.**, Chitkara, A. (2018) Negative Emissions and Land-Based Carbon Sequestration: Implications for Climate and Energy Scenarios. Rocky Mountain Institute.

<http://www.rmi.org/insight/negative-emissionscarbon-sequestration>

[*McGlynn, E. served as co-lead author*] United States White House (2016) U.S. Mid-Century Strategy for Deep Decarbonization. Washington, DC.

**McGlynn, E., Galik, C., Myers, J., DeMeester, J. (2016)** "Building Carbon in America's Farms, Forests, and Grasslands: A Policy Roadmap for Climate-Smart Landscapes." Forest Trends report, supported by MacArthur Foundation. 99 pp.

**McGlynn, E., Bucholz, T., Gunn, J., Saah, D., Kittler, B. (2015)** "Low-risk Bioenergy Can Be a Critical Climate Solution." Ecosystem Marketplace. Available online: <http://www.ecosystemmarketplace.com/articles/opinion-low-risk-bioenergy-can-be-a-critical-climate-solution/>

**McGlynn, E. (2015)** "Bioenergy can support climate, food, land restoration – If done right." Ecosystem Marketplace. Available online: <http://www.ecosystemmarketplace.com/articles/em-op-ed-em-bioenergy-can-support-climate-food-land-restoration-if-done-right/>

**McGlynn, E., Chen, X., Zhang, Y., Zuo, Y., Berg, J. (2014)** "Biomass co-firing at existing coal plants: A new opportunity for U.S.-China cooperation?" Rocky Mountain Institute publication. Available online: <http://theearthpartners.com/wp-content/uploads/2015/10/Updated-RMI-TEP-US-China-biomass-co-firing-10-19-2014-FINAL-FOR-CEQ.pdf>. 87 pp.

**McGlynn, E. (2012)** "Energy Policy" in Encyclopedia of Energy. Edited by Pierce, M., 1st ed. (Also authored articles "Carbon tax" and "Energy markets, transportation")

**McGlynn, E. (2012)** "Economics, Cost of Affecting Climate Change" in Encyclopedia of Global Warming and Climate Change. Edited by Philander, S., Golson, J., 2nd ed. (Also authored articles "Arctic and Arctic Ocean", "Carbon, black", and "Department of State, U.S.")

Cavaliere, S., **McGlynn, E.**, Stoessel, S., Stuke, F., Bruckner, M., Polzin, C., Koivurova, T., Sellheim, N., Stepien, A., Hossain, K., Duyck, S., Nilsson, A. (2010) "Arctic Footprint and Policy Assessment." Ecologic Institute, Berlin. European Commission, DG Environment. 243 pp.

Creutzig, F., Flachsland, C., **McGlynn, E.**, Minx, J., Brunner, S., Edenhofer, O. (2010) "CITIES: Car industry, road transport and an international emission trading scheme. A report commissioned by BMW. 99 pp.

**McGlynn, E., Williams, N., Winfree, R. (2009)** "Native Bee Benefits: How to Increase Native Bee Pollination on Your Farm in Several Simple Steps." NE Sustainable Agriculture Research and Education, Burlington, VT.

### **Presentations**

**Agriculture and Applied Economics Association (AAEA), Atlanta, Georgia, July 2019.** Presented paper on effects of albedo changes on the economically efficient level of forest carbon sequestration under global climate policy.

**Reducing Climate Policy Risk webinar, San Francisco, CA, November 2018.** Presented interim results of "Improving certainty and accuracy in the U.S. land use, land use change, and forestry greenhouse gas inventory" project to private foundations and experts.

**Policy Roadmap for Climate-Smart Landscapes webinar, Washington D.C., February 2016.** Presented U.S. policy recommendations for reducing GHG emissions and increasing carbon sequestration from land use, land use change, forestry, and agriculture to federal government and NGO experts.

**Dutch government delegation, biomass sustainability mission, Richmond, Virginia, November 2015.** Invited by Dutch embassy to present to delegation of Dutch government representatives as they seek to finalize their biomass sustainability guidelines in 2016.

**BIO World Congress, Montreal, Canada, July 2015.** Presented scale of potential for "conservation biomass" to support global bioeconomy.

**4th Industrial Wood Pellets for Coal Plant Co-Firing, Minneapolis, Minnesota, June 2015.** Presented EPA's draft biogenic emissions accounting framework.

**Advanced Biomass Feedstock Conference**, *New Orleans, Louisiana*, June 2015. Presented The Earth Partners' conservation biomass cellulosic ethanol facility under development in southwest Louisiana.

**Clearwater Clean Coal Conference**, *Clearwater, Florida*, June 2015. Presented potential for biomass co-firing as Clean Power Plan compliance option.

**International Biomass Conference**, *Minneapolis, Minnesota*, April 2015. Presented recommendations for implementing biomass co-firing at existing coal plants.

**Dutch Social and Economic Council, Biomass Sustainability**, *Utrecht, the Netherlands*, April 2014. Presented "conservation biomass" concept to Dutch government task force to influence national biomass sustainability guidelines.

**Asia-Pacific Eco-Town Conference**, *Kawasaki, Japan*, September 2013. Keynote speaker on Climate and Clean Air Coalition and discussion moderator on the role of the national government in promoting sustainable cities.

**Asia Regional Consultation on short-lived climate pollutants**, *Bangkok, Thailand*, February 2012. Led discussions on major polluting sectors of short-lived climate pollutants with high-level representatives from 19 Asian countries to identify regional policy solutions.

**Arctic Frontiers Conference**, *Tromsø, Norway*, January 2011. Discussed Arctic Footprint and Policy Analysis, including powerpoint, with international audience of 50+ researchers and policy-makers. Received "Outstanding Oral Presentation."

**UNFCCC**, *Cancun, Mexico*, December 2010. Led panel discussion and press briefing on youth contributions to climate science.

**UNFCCC**, *Tianjin, China*, October 2010. Presented side event on independent research project, "Benefit-based framework for climate change burden sharing."