

STEFANIE ONDER (née SIEBER)**Ph.D., Economist**Email: onder@american.eduWeb: <https://www.american.edu/sis/faculty/onder.cfm>**PROFESSIONAL POSITIONS****AMERICAN UNIVERSITY, SCHOOL OF INTERNATIONAL SERVICE, WASHINGTON, DC****Assistant Professor of Economics:** (2017-21 with 3-semester leave, and 2024-)**WORLD BANK, WASHINGTON, DC****Senior Environmental Economist:** Global Environment Unit (2021-24, 2016-17), East Asia & Pacific Environment Unit (2015-16)**Environmental Economist:** East Asia & Pacific Environment Unit (2012-15)**Young Professional:** East Asia & Pacific (2011-12) and South Asia (2010-11) Environment Units**EDUCATION****Ph.D., Economics,** London School of Economics (LSE), 2011*Specialization:* Development Economics*Dissertation:* Economic Development and the Environment: Three Essays**M.Res., Economics (Track 2)** with merit, LSE, 2006**M.Sc., Global Market Economics** with distinction, LSE, 2005**Diploma, Global Market Economics** with distinction, LSE, 2004**B.A., Modern European Studies (Economics and Italian)** with 1st Class Honours, University College London, 2003**PEER-REVIEWED PUBLICATIONS**

- [When do Refugees Return Home? Evidence from Syrian Displacement in Mashreq](#) with Lori A. Beaman, and Harun Onder, *Journal of Development Economics*, vol 155, 2022.
- [Supporting pathways to prosperity in forest landscapes – A PRIME framework](#) with Priya Shyamsundar, Sofia Ahlroth, and Patti Kristjanson, *World Development*, vol 125: pp. 1-16, 2020.
- [A systematic map of evidence on the contribution of forests to poverty alleviation](#) with S. H. Cheng, K. MacLeod, S. Ahlroth, E. Perge, P. Shyamsundar, P. Rana, R. Garside, P. Kristjanson, M.C. McKinnon, and D.C. Miller, *Environmental Evidence*, vol 8(3): pp. 1-22, 2019.
- [What is the evidence for the contribution of forests to poverty alleviation? A systematic map protocol](#) with Samantha H. Cheng, Sofia Ahlroth, Priya Shyamsundar, Ruth Garside, Patti Kristjanson, Madeleine C. McKinnon, and Daniel C. Miller, *Environmental Evidence*, vol 6 (10): pp. 1-11, 2017.
- [The Political Economy of Deforestation in the Tropics](#) with Robin Burgess, Matthew Hansen, Benjamin Olken, and Peter Potapov, *Quarterly Journal of Economics*, vol. 127 (4): pp. 1707-1754, 2012.

FIELD EXPERIENCE

- Bhutan, China, Fiji, Germany, Kiribati, Indonesia, Italy, Lao PDR, Marshall Islands, the Philippines, Samoa, Sri Lanka, Tuvalu, United Kingdom, United States of America, Vanuatu, and Vietnam.

RESEARCH IN PROGRESS

- [“Is natural capital a complement to human capital? Evidence from 46 countries”](#) with Richard Damania (R), Luis Diego Herrera Garcia (R), Hyungju Kim (R), Leonardo Viotti (R), Esha Zaveri (R), and Chrissie A. Pantoja Vallejos (R) *Policy Research Working Paper 10617*, 2023. (*revise and resubmit*)
- “How do Indian farmers adjust after Cyclones? Evidence from 1956-1999” (*revise and resubmit*)
- “The Fragility and Resilience of Nations: Theory and Evidence” with Cem Karayalcin, Hyungju Kim, and Harun Onder
- “Conflict, Trauma and the Risk Preferences of Refugees: Evidence from Syrian Refugees in Jordan” with Lori A. Beaman, and Harun Onder

POLICY REPORTS

- *Using forward-looking Earth-economy models to inform the Changing Wealth of Nations* with Justin Andrew Johnson, Erwin Corong, William Cheung, James Gerber, Tijen Arin, Ethan Butler, Rebecca Chaplin-Kramer, Luis Diego Herrera Garcia, Deepak Ray, and Richard Sharp. Washington DC, World Bank. *Forthcoming*.
- [The Changing Wealth of Nations Revisited – 2024 Edition: Revisiting the Measurement of Comprehensive Wealth](#) (*lead author*), Washington DC, World Bank Flagship Report, 2024.
- [Certification, Verification and Governance in Forestry in Southeast Asia](#) with Giuseppe Topa and Kwaw Andam, Discussion Papers. Washington D.C.: The World Bank, 2012.

POLICY PAPERS AND BOOK CHAPTERS

- *Accounting for carbon retention services in The Changing Wealth of Nations*, with Raul Abad Viñas, Kenneth Bagstad, Stefano Balbi, Diego Bengochea Paz, Alessio Bulckaen, Alejandro Caparrós, Ruben Crespo, Moritz Drupp, Bram Edens, Eli Fenichel, Martin Hänsel, Alexis Rivera Ballesteros, Robert Smith, Catherine van Rompaey, and Ferdinando Villa, Technical Report, Washington DC, World Bank. *Forthcoming*.
- [The Changing Wealth of Nations: Estimating the Global Contribution of Aquaculture Towards the Changing Wealth of Nations](#), with Malcolm W. Dickson, Harrison Charo-Karisa, and Robert Smith, Technical Report, Washington DC, World Bank Group, 2024.
- [The Changing Wealth of Nations: Valuation of Hydroelectric Assets in the Context of the Changing Wealth of Nations 2024](#), with Robert Smith, Zuzana Dobrotkova, Christophe de Gouvello, and Grzegorz Peszko, Technical Report, Washington DC, World Bank Group, 2024.
- [Integrating Ecosystems into the Changing Wealth of Nations Program: Measurement Challenges and Strategies](#) with Catherine van Rompaey, Paper for the 38th IARIW General Conference, 2024
- [Water valuation at the global scale: how can we add water to the wealth of the nations using the SNA and SEEA?](#), with Michael Vardon. Paper for the 29th Meeting of the London Group on Environmental Accounting, 2023.
- [Economic Issues Related to Asian Deforestation](#), with James T. Erbaugh, and Georgia Christina Kosmidou-Bradley in *Oxford Research Encyclopedia of Environmental Science - Environmental Economics*. Oxford University Press, 2021.
- “The Anatomy of Returns to Date” with Lori Beaman and Harun Onder in [The Mobility of Displaced Syrians: An Economic and Social Analysis](#) Washington, DC: World Bank, 2019.
- “Managing Natural Resource Use – How Ecosystem Accounts Helped in the Philippines” in Andreas Goldthau, Michael F. Keating and Caroline Kuzemko, eds., *Handbook of the International Political Economy of Energy and Natural Resources* Cheltenham, UK: Edward Elgar Publishing, 2018
- Background papers on Energy and Solid Waste Management for Biller, Dan, and Ijaz Nabi. [Investing in Infrastructure: Harnessing its Potential for Growth in Sri Lanka](#) Washington, DC: World Bank, 2013

PROFESSIONAL EXPERIENCE (SELECTED)

- *Team leader and lead author for **The Changing Wealth of Nations (CWON) Program**: 2021-24*
 - Managed the CWON project, including program design and fund raising (USD 3.2 million).
 - Led the modernization of the CWON database, with expanded country and asset coverage (hydropower, key minerals, and carbon retention services).
 - Updated the CWON methodology to align with the international statistical standards and guidelines (volume-based wealth metrics and direct user cost estimates for non-renewable natural capital).
 - Led the drafting of *CWON 2024* report, overview report, associated communications products, and production of technical background papers on selected assets and key methodological improvements.
 - Developed a new analytical work program on strong sustainability with leading experts from Cambridge, Duke, LSE, and Yale universities, among others.
- *Team leader for **Understanding Forests' Contributions to Poverty Analytical Program**: 2016-17*
 - Co-led technical assistance to Laos PDR and Turkey on forest-poverty linkages, including high-frequency data collection, the development of an evidence map, and country- analytical work.
 - Co-developed a theoretical framework on pathways out of poverty for the forest dependent poor.
- *Team leader for **Wealth Accounting and Valuation of Ecosystem Services Program**: 2012-17*
 - Co-led technical assistance to Philippines on natural capital accounting (Phil-WAVES) for the development of the first country-level ecosystem accounts,
 - Established the first WAVES recipient-executed trust fund to support the institutionalization of natural capital accounting.

PROFESSIONAL SERVICE

- **Guest editor:** Special issue on [Sustainability under limited natural capital substitutability](#) for the *Journal of Environmental Economics and Management*
- **Referee:** *Journal of Development Economics, Science*
- **Organizer:** Thematic session on [Sustainability in a world with low natural capital substitutability – Theory, Empirics, and Practical Approaches](#) at the 28th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Limassol, Cyprus, 2023
- **Advisory Board Member:** [Wellbeing, Inclusion, Sustainability & the Economy \(WISE\) Horizon Project](#)

TEACHING

- **Project Design, Monitoring and Evaluation** (Masters), *Instructor*, American University, School of International Service (SIS): Fall 2017, 2018, & 2020; Spring 2018, 2020, 2021, 2024 & 2025
- **Disaster Risk Management** (Masters), *Instructor*, SIS: Spring 2025
- **Development Lab Capstone** (Undergraduate), *Instructor*, SIS: Spring 2025
- **Internship Course** (Undergraduate), *Instructor*, SIS: Spring 2025
- **Assessing Programs with RCTs: The How and the Why** (Undergraduate), *Instructor*, SIS: Spring 2020
- **Sustainable Economic Development** (Undergraduate), *Instructor*, SIS: Fall 2018
- **Introduction to Environmental Economics** (Masters), *Instructor*, SIS: Spring 2018, Fall 2020
- **Microeconomics and Macroeconomics for Public Policy** (Masters), *Teaching Assistant*, LSE: Academic Year 2007-08, & 2009-10
- **Evaluating Social Programs** (Executive Education), *Teaching Assistant*, Massachusetts Institute of Technology, The Abdul Latif Jameel Poverty Action Lab, 2009
- **Principles of Econometrics** (Undergraduate), *Teaching Assistant*, LSE, Academic Year 2006-07

FELLOWSHIPS, AWARDS AND FUNDRAISING

- **CWON 2.0 analytical program:** Global Program for Sustainability (US\$1.7 million), PROBLUE (US\$445k), Climate Support Facility-Whole of Economy Program (US\$350k), PROGREEN (US\$330k), ESMAP (US\$200k), WAVES Plus (US\$180k), 2021-2023
- **Understanding forests' contributions to poverty analytical program:** PROFOR (US\$2.9 million), other sources (US\$240k), 2016-2017
- **Forest Carbon Partnership Facility (FCPF) Readiness grant for Fiji and Vanuatu:** FCPF (US\$3.6 million) each, 2013-2015
- **Phil-WAVES technical assistance:** WAVES (US\$2 million), PROFOR (\$300k), in kind contributions from the Australian Bureau of Statistics and the European Space Agency, 2012-2017
- **Economic Research Studentship,** London School of Economics, 2007-08
- **Graduate Teaching Assistant Teaching Price,** London School of Economics, 2007
- **Tibor Scitovsky Scholarship,** London School of Economics, 2005-08
- **Inclusion in the Dean's List,** University of London, 2003
- **Modern European Studies Sessional Price,** University College London, 2001

SEMINAR AND CONFERENCE PRESENTATIONS (SELECTED)

- World Bank-Global Program for Sustainability Virtual Launch Event of *The Changing Wealth of Nations 2024*, 2024.
- APEC Seminar Series, University of Minnesota, Minneapolis MN, USA 2024
- World Bank-Korean Development Institute Green Growth Seminar on *Implementing Effective Green Transition Policies*, Washington DC, 2024.
- European Commission DG ECFIN-OGWG workshop on *Natural Capital Measurement and Modeling*, Brussels, Belgium, 2023
- GLASSNET Use Case Webinar on *Assessing the Interaction between Global Economy, Biodiversity and Ecosystems Services*, 2023.
- AERE 2023 Fall Workshop on *Frontier in Natural Capital & Green Accounting*, 2023.
- 28th Annual EAERE Conference, Limassol, Cyprus, 2023.
- Global Program for Sustainability - Africa Natural Capital Accounting Community of Practice - UN Statistics Division *Webinar on Quest for Green GDP*, 2023.
- Republic of Indonesia, Ministry of Finance Webinar on *Natural Capital: Accounting for the Value of Nature in Indonesia*, 2023.
- UN General Assembly High-level Meeting on *Accelerating the Achievement of the SDGs in Middle-Income Countries, with a Focus on the Environmental Dimension*, New York City NY, USA, 2023.
- US Committee for International Institute for Applied Systems Analysis Workshop on *US-IIASA Cooperation on Topics related to Natural Capital in National Accounts*, Washington DC, USA, 2023.
- Asian Infrastructure Investment Bank Webinar on *The Changing Wealth of Nations*, 2023.
- World Bank-UN Statistics Division Webinar on *Quest for Green GDP*, 2023.
- NBER-CRIW Conference on *Measuring and Accounting for Environmental Public Goods: A National Accounts Perspective*, Alexandria VA, USA, 2023.
- 7th World KLEMS conference, Manchester, United Kingdom, 2022
- OECD Conference on *National Economic and Financial Accounts*, Paris, France, 2022
- World Bank Tokyo Online Morning Seminar #131 *The Changing Wealth of Nations 2021*, 2021.
- Brown University-Harvard University-UNHCR-World Bank joint Research Conference on *Forced Displacement*, Copenhagen, Denmark, 2020.
- Global Economy and Development Seminar, American University, School of International Service, Washington DC, USA, 2019.

SEMINAR AND CONFERENCE PRESENTATIONS (Cont.)

- Energy and Climate Policy Research Seminar, Georgetown University, Washington DC, USA, 2019.
- DC Area Climate and Energy Research Workshop, John Hopkins University, Washington DC, USA, 2018.
- Georgetown Center for Economic Research Conference, Georgetown University, Washington DC, USA 2017.
- American University School of International Service, Washington DC, USA, 2017.
- International Society for Ecological Economics Conference, University of the District of Columbia, Washington DC, USA, 2016.
- International Timber Trade Organization Workshop on *Tracking Technologies for Forest Governance*, Kuala Lumpur, Malaysia, 2012.
- Republic of Indonesia, Ministry of Environment and Forestry, Seminar on *Drivers of Deforestation*, Jakarta, Indonesia. 2012.