

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

- [Comment on Chapter 3: Tracing Sustainability in the Long Run: Genuine Savings Estimates 1850–2018](#) in Nicholas Z. Muller, Eli Fenichel & Mary Bohman, eds. [Measuring and Accounting for Environmental Public Goods: A National Accounts Perspective](#). NBER, University of Chicago Press, 2025.
- [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
- [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.
- [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.

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

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](#)

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.