

ROSAMOND LEE NAYLOR

Stanford University
Encina East, Room 406
Stanford University
Stanford, California. 94305-6055
phone: 650-723-5697; fax: 650-725-1992
email: roz@stanford.edu

EDUCATION

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| 1989 | Stanford University, Stanford, California
Ph.D. in Applied Economics |
| 1981 | London School of Economics, London, England
Master of Science in Economics |
| 1980 | University of Colorado, Boulder, Colorado
Bachelor of Arts in Economics, Magna Cum Laude
Bachelor of Arts in Environmental Science |

PROFESSIONAL HONORS AND AWARDS

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| 1/99 | Aldo Leopold Leadership Fellow in Environmental
Science and Public Policy |
| 6/94 | Pew Fellow in Conservation and the Environment |
| 7/90-9/91 | McNamara Post-doc Fellowship, The World Bank |

EXPERIENCE

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| 12/14-present | William Wrigley Professor, Department of Earth System Science,
Stanford University |
| 2/17-present | Gloria and Richard Kushel Director of the Center on Food Security and
the Environment, Stanford University |
| 6/05-1/17 | Director, Center on Food Security and the Environment, Stanford
University |
| 9/09-12/14 | Professor, Department of Earth System Science, Stanford University |
| 9/09-present | Professor by courtesy, Department of Economics, Stanford University |
| 9/07-12/14 | William Wrigley Senior Fellow, Freeman-Spogli Institute for
International Studies and the Woods Institute for the Environment,
Stanford University |

9/92-5/09	Director of Studies, Goldman Interschool Honors Program in Environmental Science, Technology, and Policy, Stanford University
9/00-8/09	Associate Professor by courtesy, Department of Economics, Stanford University
9/00-8/07	Julie Wrigley Senior Fellow, Center for Environmental Science and Policy at the Freeman Spogli Institute for International Studies, Stanford University

Naylor has been employed by Stanford University's Institute for International Studies since 1990. Between September 1990 and August 2000, she advanced from Research Associate to Senior Fellow with academic council status. She also advanced from Lecturer to Associate Professor (by courtesy) in Economics and in 2009 was named a Professor of Earth Systems Science in the School of Earth, Energy, and Environmental Sciences and a Professor (by courtesy) in Economics.

PUBLICATIONS

Ordway, E. M., Naylor, R. L., Nkongho, R. N., and E. F. Lambin. (2017). Emerging oil palm expansion in Africa: insights into sustainability opportunities and challenges from Cameroon. Department of Earth System Science, Stanford University (submitted, under review).

Naylor, R. L. and M. M. Higgins. (2017). The rise in global biodiesel: incentives and implications for Food Security. *Journal of Global Food Security* (submitted, under review).

Higgins, M. M., Edwards, R. B., Falcon, W. P., and R. L. Naylor (2017). Decentralization and oil palm expansion in Indonesia: adapting the village law to promote sustainability. *Global Environmental Change* (submitted, under review).

Naylor, R. and M. Higgins (2017). The political economy of biodiesel in an era of low oil prices. *Renewable and Sustainable Energy Reviews*, vol. 77: <https://doi.org/10.1016/j.rser.2017.04.026>

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Alaofe, H, Burney, J., Naylor, R., and Taren, D. (2017). Association between women's empowerment and maternal and child nutrition in Kalalé district of northern Benin". *Food and Nutrition Bulletin* (in press).

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Byerlee, D., Falcon, W., & Naylor, R. (2017) *The Tropical Oil Crops Revolution: Managing Tradeoffs Among Food, Farmers, Fuels, and Forests*. New York, NY: Oxford University Press.

Alaofe, H, Burney, J., Naylor, R., and Taren, D. (2017). Prevalence of anemia, deficiencies of iron and vitamin A and their determinants in rural women and young children: a cross-sectional study in Kalale

district of northern Benin. *Public Health Nutrition* (January 25):
<https://doi.org/10.1017/S1368980016003608>.

Naylor, R. L., Battisti, D. S., and Falcon, W. P. (2017). El Nino Impacts on Global Agriculture: A Cautionary Review. *Journal of Global Food Security* (in prep).

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Cao, L., Naylor, R., Henriksson, P., Leadbitter, D., Metian, M., Troell, M., & Zhang, W. (2015). China's aquaculture and the world's wild fisheries. *Science*, 347(6218), 133-135.

Naylor, R. L. (2015). A global perspective on food systems. *Journal of Agriculture, Food Systems, and Community Development*, 5(2) (Winter), ISSN 2152-0801 (online).

Naylor, R. L. (2015). "The tree of life", in Holten, K. (Ed.), *About Trees*. Broken Dimanche Press: 131-133.

Naylor, R. L. (Ed.). (2014). *The Evolving Sphere of Food Security*. New York, NY: Oxford University Press.

Falcon, W., & R. Naylor, R. (Eds.). (2014). *Frontiers in food policy: Perspectives on sub-Saharan Africa*. Stanford University: Center on Food Security and the Environment. Published by CreateSpace (Amazon).

Troell, M., Naylor, R., Metian, M., Beveridge, M., Tyedmers, P., Folke, C., . . . de Zeeuw, A. (2014). Does aquaculture add resilience to the global food system? *PNAS*, 111(37), 13257-13263.

Naylor, R. L. (2014). Biofuels, rural development, and the changing nature of agricultural demand. In W. Falcon & R. Naylor (Eds.), *Frontiers in food policy: Perspectives on sub-Saharan Africa* (343-376). Stanford University: Center on Food Security and the Environment. Published by CreateSpace (Amazon).

Barrett, S., Lenton, T. M., Millner, A., Tavoni, A., Carpenter, S., Anderies, J. M., . . . de Zeeuw, A. (Including Naylor, R. L.) (2014). Climate engineering reconsidered. *Nature Climate Change*, 4, 527-529.

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- Garrett, R. D., Lambin, E. F., & Naylor, R. L. (2013). Land institutions and supply chain configurations as determinants of soybean planted area and yields in Brazil. *Land Use Policy*, 31, 385-396.
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Naylor, R. (then Lee, R.), Lillydahl, J., & Singell, L. (1981). Youth Unemployment and the Minimum Wage. *Annals of Regional Science*.

STANFORD COURSES

The World Food Economy: Departments of Economics and Earth Systems Science (cross-listed), undergraduates and graduates, survey course on agricultural demand, supply, and trade theory; food security; food policy (Economics 106/206).

Human Society and Environmental Change: Departments of Earth Systems Science and History (cross-listed), core course on human-environment interactions (Anthrosphere) (ES112/History 103D).

Food and Security: sophomore seminar integrating concepts of food security and international security as more traditionally defined (ES 61Q/EESS 61Q/INTNLREL 61Q).

The Evolving Sphere of Food Security: graduate and upper-level undergraduate seminar on global food security, modeled after the volume by R. L. Naylor (ed.) 2014. (ES168/268)

Goldman Interschool Honors Program in Environmental Science, Technology, and Policy: Center for Environmental Science and Policy, undergraduates, students selected competitively (IIS 195). Directed the program from 1994-2008. This program entails a yearlong seminar with 8-12 undergraduate students selected competitively from all schools and departments. A high percentage of Goldman alumni remain in continuous contact, and an unusual number of theses from the program are published in the peer-reviewed literature.

GRADUATE ADVISING

Advisees who have completed PhD degrees:

David Lobell (Geological and Environmental Sciences)
Amy Luers (E-IPER)
Josh Goldstein (E-IPER)
Kirsten Oleson (E-IPER)
Geoff Shester (E-IPER)
Joanne Gaskell (E-IPER)
Kaitlin Shilling (E-IPER)
Rodrigo Pizarro (E-IPER)
Kristen Honey (E-IPER)
Rachel Garrett (E-IPER)
Dane Klinger (E-IPER)
Andy Gerhart (E-IPER)
Katrina ole-MoiYoi (E-IPER)
Joann de Zegher (E-IPER)

Current PhD advisees:

Casey Maue (E-IPER)
Tannis Thorlakson (E-IPER)
Sudatta Ray (E-IPER)
Elinor Benami (E-IPER)
Matt Schwartz (E-IPER/GSB)
Elsa Ordway (Earth Systems Science)
Ju Young Lee (Earth Systems Science)

UNIVERSITY SERVICE

2013-2014	Faculty Representative, Advisory Panel on Investment Responsibility and Licensing (APIR-L), Stanford University
2008 – present	Member, Executive Committee, Earth Systems Science Program
2006 – present	Member, Faculty Steering Committee, International Policy Studies Program
Ongoing	Undergraduate advisor in Earth Systems, International Relations, and Human Biology
2008 –2012	Member, Advisory Committee, E-IPER
2004 – 2009	Environmental Ventures Program, Woods Institute for the Environment (Co-Chair, 2004-2006; member 2007-2009)
Various years	Admissions Committee, E-IPER PhD Program
Various years	Member of numerous search committees in the Department of Earth Systems Science, Freeman Spogli Institute for International Studies, and the Stanford Woods Institute for the Environment

EXTERNAL SERVICE - MEMBERSHIPS

Ongoing	Member of American Geophysical Union (AGU) Member of American Economics Association (AEA) Member of the Ecological Society of America (ESA)
2016-present	Member, Board of Directors, Aspen Global Change Institute
2011 – 2015	Member, Advisory Board, Aspen Global Change Institute
2016 – present	Member, selection committee for Asian nominations,

	Pew Marine Fellows Program, Pew Charitable Trusts
2012 – present	Trustee, The Nature Conservancy, California Chapter
2015 – present	Member, Scientific Advisory Board, Institute for Food and Agricultural Literacy (IFAL), University of California-Davis World Food Center
2011 – 2017	Member, Scientific Board of the Beijer Institute, Stockholm
2017 – present	Fellow, Beijer Institute for Ecological Economics, Stockholm
2013 – 2015	Science Advisor, United Nation’s Secretary General Ban Ki Moon’s initiative on Sustainable Development (Sustainable Agriculture section)
2012 – present	Member, Scientific Advisory Board, Aldo Leopold Leadership Program
2011 – 2012	Member, Advisory Panel for the African Human Development Report at UNDP (United Nations Development Program)
2009 – 2011	Member, U.S. National Committee for the Pacific Science Association, National Academy of Sciences
2007 – 2010	Member, Pew Fellows Advisory Committee
2005 – 2009	Member, Selection Committee, Aldo Leopold Leadership Program
2005 – 2009	Member, Scientific Advisory Board, COMPASS (Communication Partnership for Science and the Sea)
1998 – 2007	Member, Oversight Committee for the Collaborative Crop Improvement Program, McKnight Foundation
2006	Judge, Risser Environmental Journalism Prize for the American West
2003 – 2005	Member, NRC Committee on “Alaska Yukan Salmon: Research and Restoration Priorities”. National Academy of Sciences

EXTERNAL SERVICE - EDITORIAL

2009 – present	Editorial Board, <i>Aquaculture Environment Interactions</i>
2012 – 2016	Associate Editor, <i>Journal of Food Security</i>

2011 – 2/2016 Editorial Advisory Board, *Global Food Security*
2007 – 2011 Editorial Board, *Environmental Research Letters*
2004 – 2008 Editorial Board, *Annual Review of Environment and Resources*

Frequent reviewer for *Science, Nature, PNAS, Food Policy, Global Environmental Change*