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POSITIONS

- Since 2007 - PRINCETON UNIVERSITY (School of Public and International Affairs), *Senior Research Scholar*
- Since 2012 - WORLD RESOURCES INSTITUTE, *Technical Director for Agriculture, Forestry & Ecosystems*
- Since 2022 - YALE UNIVERSITY (Tobin Center for Economic Policy), *Senior Policy Fellow*

PREVIOUS POSITIONS

- 2022 BEZOS EARTH FUND - *Fellow*
- 2016 – 2018 WORLD BANK – *Consultant, Climate Smart Agriculture*
- 2015 CSIRO, *Visiting Scientist* (summer)
- 2013 VERMONT LAW SCHOOL, *Visiting Professor* (summer)
- 2011- 2012 OXFORD UNIVERSITY (Smith School for Enterprise and the Environment)
Senior Visiting Fellow
- 2007-
2011 THE GERMAN MARSHALL FUND OF THE UNITED STATES
Transatlantic Fellow
- 2007-08 GEORGETOWN ENVIRONMENTAL LAW AND POLICY INSTITUTE,
GEORGETOWN UNIVERSITY LAW CENTER, *Senior Fellow*
- 2007 MARYLAND DEPARTMENT OF NATURAL RESOURCES
Special Assistant to the Secretary for the Chesapeake Bay
- 1989-
2006 ENVIRONMENTAL DEFENSE FUND
Senior Attorney, Co-Founder, Center for Conservation Incentives
- 1987-
1989 GOVERNOR ROBERT P. CASEY, Pennsylvania
Deputy General Counsel
- 1986-1987 HON. EDWARD R. BECKER, U.S. Court of Appeals (3d Circuit), *law clerk*

EDUCATION

1983- YALE LAW SCHOOL, J.D.
1986 *Senior Editor Yale Law Journal, Coker Fellow*

1978- AMHERST COLLEGE, B.A.
1982 *Summa Cum Laude, Phi Beta Kappa*

1981 UNIVERSITY OF ZIMBABWE, Semester

AWARDS

NATIONAL WETLANDS PROTECTION AWARD –U.S. Environmental Protection Agency

SELECTED PUBLICATIONS

Dumas P. et al., Pathways to a sustainable food future in sub-Saharan Africa (in review), *Nature Food* (corresponding author)

Gordon M. et al., (2024) A restatement of the natural science evidence base concerning grassland management, grazing livestock and soil carbon, *Proc. Royal Soc.* 291: 20232669

Searchinger, T., L. Peng, J. Zioints, R. Waite (2023), *The Global Land Squeeze* (WRI), pp. 170.

Peng, L., T. Searchinger, J. Zions, R. Waite (2023), The carbon costs of global wood harvests, *Nature* 620:110-115

Searchinger, T., O. James, P. Dumas, T. Kastner, S. Wirsenius (2022), EU climate plan sacrifices carbon storage and biodiversity for bioenergy, *Nature* 612:27-30 (2022)

Feng et al. (2022), Doubling of annual forest carbon loss over the tropics during the early 21st century," *Nature Sustainability* 5:444-451

Bragança A., et al. (2022) Extension services can promote pasture restoration: Evidence from Brazil's low carbon agriculture plan, *Pro. Nat. Acad. Sci. (U.S)*, 119:1-7

Guo Y et al. (2022), Environmental and human health trade-offs in potential Chinese dietary shifts, *One Earth* 5:268-282

Searchinger et al., (2021) *A Pathway to Carbon Neutral Agriculture in Denmark* (WRI, Washington, DC), pp. 171

Crawford C. et al. (2021), Consequences of underexplored variation in biodiversity indices used for land use prioritization, *Ecological Applications* 31:e02396

- Subbarao G.V.S., Searchinger T. (2021), A “more ammonium solution” to mitigate nitrogen pollution and boost crop yields, *Proc. Nat. Aca. Sci. (U.S.)* 118:22
- Searchinger et al. (2021), *Opportunities to Reduce Methane Emissions from Global Agriculture* (C-PREE, Princeton University, Cornell University), pp. 40
- Zeng Z. et al. (2021), Deforestation-induced warming over tropical mountains regulated by elevation, *Nature Geoscience* 14:23-29
- Searchinger T. et al (2020), *Revising Public Agricultural Support to Mitigate Climate Change* (World Bank, Washington, DC), pp. 73
- Guo, Y. et al. (2020), Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management, *Nature Food* 1:648-658
- Searchinger T., J. Ranganathan, (2020), *Further Explanation on the Potential Contribution of Soil Carbon Sequestration on Working Agricultural Lands to Climate Change Mitigation* (WRI)
- Searchinger T. et al. (2019), *Creating a Sustainable Food Future: A Menu of Solutions to Feed Nearly 10 Billion People by 2050* (WRI, World Bank, UNEP, UNDP, Washington, DC), 568 pp.
- Zeng, Z. et al. (2019), A reversal in global terrestrial stilling and its implications for wind energy production, *Nature Climate Change* 9:979-985
- Searchinger T et al. (2019), Food security and livelihoods of small-scale producers. In: *Adapt Now* (Global Center on Adaptation, Rotterdam)
- Searchinger T. et al. (2018), Assessing the efficiency of changes in land use for mitigating climate change, *Nature* 564:249-253
- Searchinger T, et al. (2018), Europe’s renewable energy directive poised to harm global forests, *Nature Communications* 9:3741
- Kanter, D & Searchinger T. (2018), From field to factory: A technology-forcing approach to reduce nitrogen pollution, *Nature Sustainability* 1:544-552
- Zeng et al. (2018), Unexpected highland cropland expansion and forest loss in Southeast Asia in the 21st century, *Nature Geoscience* 11:556-562
- Searchinger T. et al. (2017), Does the world have bioenergy potential from the dedicated use of land? *Energy Policy* 110:434-446
- Fetzel T. et al. (2017), Quantification of uncertainties in global grazing systems assessment, *Global Biogeochemical Cycles* 31:1089-1102 (2017)

- Lerner, A. et al. (2017), Sustainable cattle ranching in practice: Moving from theory to planning in Colombia's livestock sector, *Environ. Management* 60:176-184
- Ramirez-Restrepo, C., et al. (2017), Estimation of methane emissions from local and cross-breed beef cattle in Da Lak province of Vietnam, *Asian-Australian J. of Animal Science* 30:1054-1060
- Estes L., Searchinger T. et al. (2016) Reconciling agriculture, carbon and biodiversity in a savannah transformation frontier, *Phil. Trans. R. Soc. B.* 371(1703):20150316
- Searchinger T. et al. (2015), Do biofuel policies seek to cut emissions by cutting food, *Science* 347:1420-1422
- Searchinger T. et. al. (2015), High carbon and biodiversity costs from converting Africa's wet savannas to cropland, *Nature Climate Change* 5:481-486
- Zhang X. et al. (2015), Managing nitrogen for sustainable development, *Nature* 528:51-59
- Rao, I.M. et al. (2015), Livestock plus—The sustainable intensification of forage-based systems to improve livelihoods and ecosystem services in the Tropics, *Trop. Grass.* 3:59-82
- Malone R. et al., (2014), Cover crops in the upper Midwest USA: Simulated effect on nitrate leaching with artificial drainage, *J. Soil Water Cons.* 69, 292-305
- Kladivko et al. (2014) "Cover Crops in the Upper Midwest United States: Potential adoption and reduction of nitrate leaching in the Mississippi River Basin," *J. Soil Water Cons.* 69:279
- Krausmann F. et al. (2013), "Global human appropriation of net primary production doubled in the 20th Century," *Proc. Nat. Acad. Sci.* 110:10324-10329
- High Level Panel Food Security (2013), *Biofuels and Food Security* (FAO, Rome) (2 chapters)
- Haberl, H. et al. (2012), "Correcting a fundamental error in greenhouse gas accounting related to bioenergy," *Energy Policy* 45:18-23
- Searchinger (2010), "Bioenergy and the need for additional carbon," *Env. Res. Lett.* 5, 024007
- Searchinger, T., et. al, (2010), "Carbon calculations to consider," *Science* 327:781
- Searchinger, T. et al. (2009), "Fixing a critical climate accounting error," *Science* 326:527-528
- Tilman D. et al (2009), "Beneficial biofuels—The food, energy and environmental trilemma," *Science* 325:270-271
- Searchinger, T., et al. (2008), Use of U.S. croplands for biofuels increases greenhouse gas emissions through land use change, *Science* 319:1238-1240