

GEORGE C. HURTT**a. Professional Preparation**

Middlebury College	Biology	B.A.	1990
University of Connecticut	Ecology and Evolutionary Biology	M.S.	1992
Princeton University	Ecology and Evolutionary Biology	A.M.	1994
Princeton University	Ecology and Evolutionary Biology	Ph.D.	1997
Princeton University	Ecology and Evolutionary Biology	Postdoctoral	1998

b. Appointments

Chair, University Research Council, University of Maryland	2017-
Science Team Leader, NASA Carbon Monitoring System	2012-
Research Director, Department of Geographical Sciences, University of Maryland	2010-
Professor of Geography, University of Maryland	2010-
Affiliate Professor, University of New Hampshire	2010-
Associate Director, Joint Global Change Research Institute, Pacific Northwest National Lab and University of Maryland	2011-2015
Associate Director for Research Innovations, National Socio-Environmental Synthesis Center	2011-2013
Director, Complex Systems Research Center	2009-2010
Chair, Natural Resources and Earth System Science Ph.D. Program	2008-2010
Associate Director, Complex Systems Research Center	2008-2009
Faculty Fellow, Research and Outreach Scholarship	2007-2008
Associate Professor of Natural Resources & Earth, Oceans and Space	2006-2010
Director, Research & Discover Internship/Fellowship Program	2002-2010
Assistant Professor of Natural Resources & Earth, Oceans and Space	2001-2006

c. Products**(i) Related products**

- Lawrence, D. M., Hurtt, G. C., Arneeth, A., Brovkin, V., Calvin, K. V., Jones, A. D., et al. (2016). The Land Use Model Intercomparison Project (LUMIP) contribution to CMIP6: rationale and experimental design. *Geoscientific Model Development*, 9(9), 2973–2998. <http://doi.org/10.5194/gmd-9-2973-2016>.
- O’Neill, B. C., Tebaldi, C., van Vuuren, D. P., Eyring, V., Friedlingstein, P., Hurtt, G., et al. (2016). The Scenario Model Intercomparison Project (ScenarioMIP) for CMIP6. *Geoscientific Model Development*, 9(9), 3461–3482. <http://doi.org/10.5194/gmd-9-3461-2016>
- Jones, A. D., W. D. Collins, J. Edmonds, M. Torn, A. Janetos, K. Calvin, A. Thomson, L. Chini, J. Mao, X. Shi, P. Thornton, G. Hurtt, M. Wise (2013), Greenhouse Gas Policy Influences Climate via Direct Effects of Land-Use Change, *J. Climate* 26:3657-3670. DOI: 10.1175/JCLI-D-12-00377.1
- Hurtt, G. C., L. P. Chini, S. Frolking, R. Betts, J. Feedema, G. Fischer, J. Fisk, K. Hibbard, R. Houghton, A. Janetos, C. Jones, G. Kindermann, T. Kinoshita, K. Klein Goldewijk, K. Riahi, E. Shevliakova, S. Smith, E. Stehfest, A. Thomson, P. Thornton, D. van Vuuren, Y. Wang (2011), Harmonization of Land-Use Scenarios for the Period 1500-2100: 600 Years of Global Gridded Annual Land-Use Transitions, Wood Harvest, and Resulting Secondary Lands. *Climatic Change*. DOI: 10.1007/s10584-011-0153-2.
- Hurtt, G. C., S. Frolking, M. G. Fearon, B. Moore III, E. Shevliakova, S. Malyshev, S. W. Pacala, R. A. Houghton (2006), The Underpinnings of Land-use History: Three Centuries of Global Gridded Land-Use Transitions, Wood Harvest Activity, and Resulting Secondary Lands. *Global Change Biology* 12:1208-1229.

(ii) Other Significant Products

- Jantz, S. M., Barker, B., Brooks, T. M., Chini, L. P., Huang, Q., Moore, R. M., Noel, J., Hurtt, G. C. (2015). Future habitat loss and extinctions driven by land-use change in biodiversity hotspots under four scenarios of climate-change mitigation. *Conservation Biology*, n/a–n/a. <http://doi.org/10.1111/cobi.12549>
- Mueller, T., Dressler, G., Hurtt, G. C., Tucker, C., Pinzon, J. E., Leimgruber, P., & Dubayah, R. (2014). Human Land-Use Practices affect Global Long-Term Trends in Photosynthetic Capacity. *Remote Sensing*, 1–16. <http://doi.org/10.3390/rs60x000x>.
- Brovkin, V., Boysen, L., Arora, V. K., Boisier, J. P., Cadule, P., Chini, L., Claussen, M., Friedlingstein, P., Gayler, V., van den Hurk, B.J.J.M., Hurtt, G.C., et al. (2013). Effect of anthropogenic land-use and land cover changes on climate and land carbon storage in CMIP5 projections for the 21 st century. *Journal of Climate*, 130325101629005. <http://doi.org/10.1175/JCLI-D-12-00623.1>
- Pereira HM, Leadley PW, Proenca V, Alkemade R, Scharlemann J, Fernandez-Manjarres J, Araujo M, Balvanera P, Biggs R, Cheung W, Chini L, Cooper HD, Gilman EL, Guenette S, Hurtt GC, Huntington H, Mace GM, Oberdorff T, Revenga C, Rodrigues P, Scholes RJ, Sumaila UR, Walpole M (2010), Scenarios for Global Biodiversity in the 21st Century. *Science*.(10.1126/science.1196624).
- Hurtt GC, Pacala SW, Moorcroft PR, Caspersen J, Shevliakova E, Houghton R, Moore B. (2002) Projecting the future of the U.S. carbon sink. *Proceedings of the National Academy of Sciences of the United States* 99(3): 1389-1394.

d. Synergistic Activities

- Lead, Land-use Forcing Data for CMIP6 2014-
- Co-Chair, Land Use Model Intercomparison Project for CMIP6 2014-
- Science Team Leader, NASA Carbon Monitoring System 2012-
- Member, UMD Council on the Environment 2012-
- Associate Editor, *Global Biogeochemical Cycles* 2011-

e. Collaborators and Co-Editors

(a) Collaborators/ Co-editors in last 48 months (does NOT include other investigators at UMD)

Birdsey R (USFS), Blaire B (NASA), Bond-Lamberty B (JGCRI), Bordirsky B (Potsdam), Brown M (NASA), Calvin K (JGCRI), Clagget P (USFS), Collatz J (NASA), Collins B (LBL), Dubayah R (UMD), Duncanson L (NASA), Edmonds J (JGCRI), Feedema J (UK), Finley A (Michigan State), Frolking S (UNH), Fujimori S (Japan), Goetz S (WHRC), Goldewijk KK (Netherlands), Goward S (UMD), Hansen M (UMD), Hasegawa T (Japan), Havlik P (IIASA), Heinimann A (Ubern), Humpendoer F (Potsdam), Izzaualde C (UMD), Janetos A (BU), Jones A (UC Berkeley), Jones C (Hadley), Justice C (UMD), Kaplan J (Ulausanne), Kawa R (NASA), Kindermann G (IIASA), Kristzin T (IIASA), Lawrence D (NCAR), Lawrene P (NCAR), Leadley P (FR), Le Page (JGCRI), Malyshev S (GFDL), Masek J (NASA), Mertz O (Ucopenhagen), Morton D (NASA), O'Neil-Dunne J (UV), Ott L (NASA), Pacala S (Princeton), Patel P (JGCRI), Pereira H (Portugal), Popp A (Potsdam), Poulter B (NASA), Ranson J (NASA), Riahi K (IIASA), Saatchi S (JPL), Sahajpal, R (UMD), Sedano F (UMD), Sellers P (NASA), Sheldon S (USFS), Shevliakova E (Princeton), Stehfest E (NEEA), Thornton P (ORNL), Tucker C (NASA), van Vuuren D (Netherlands), de Wall L (Netherlands), Zhang X (UMD), Zhao M (UMD).

(b) Graduate Advisors and Postdoctoral Sponsors

S. Pacala (Princeton), S. Levin (Princeton), J. Sarmiento (Princeton), R. Colwell (University of Connecticut)

(c) Thesis Advisor and Postgraduate-Scholar Sponsor

Amanda Armstrong, Matt Brolly, Manoel Cardoso, Louise Chini, Katelyn Dolan, Jeremy Fisher, Justin Fisk, Steve Flanagan, Cary Girod, Sam Jantz, Rachel Lamb, Yannick LePage, Lei Ma, Donal O'Leary, Michael Palace, Mariya Schilz, Ritvik Sahajpal, Fernando Sedano, R. Quinn Thomas, Qing Ying.
Total Graduate Students Advised: 14 Total Post-graduate Scholars Advised: 8