IDENTIFYING INFORMATION:

NAME: Hurtt, George Caleb

POSITION TITLE: Professor and Associate Chair

PRIMARY ORGANIZATION AND LOCATION: University of Maryland, College Park, College Park, Maryland, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
Princeton University, Princeton, New Jersey, United States	PHD	05/1997	Ecology and Evolutionary Biology
Princeton University, Princeston, New Jersey, United States	MA	05/1994	Ecology and Evolutionary Biology
University of Connecticut , Storrs, Connecticut, United States	MS	05/1992	Ecology and Evolutionary Biology
Middlebury College , Middlebury, Vermont, United States	BA	05/1990	Biology

Appointments and Positions

2021 - present Professor and Associate Chair, University of Maryland, College Park, Department of Geographical Sciences, College Park, Maryland, United States

2012 - present Science Team Leader, NASA Carbon Monitoring System , College Park, Maryland, United States

2010 - present Professor of Geography, University of Maryland, College Park, Department of Geographical Sciences, College Park, Maryland, United States

2017 - 2020 Chair, University Research Council, University of Maryland, College Park, Department of Geographical Sciences, College Park, Maryland, United States

2011 - 2015 Associate Director, Joint Global Change Research Institute, College Park, Maryland, United States

2011 - 2013 Associate Director, National Socio-Environmental Synthesis Center, College Park, Maryland, United States

2010 - 2021 Research Director, University of Maryland, College Park, Department of Geographical Sciences, College Park, Maryland, United States

2009 - 2010 Director, University of New Hampshire, Complex Systems Research Center, Durham, New Hampshire, United States

2008 - 2010 Chair, University of New Hampshire, Natural Resources and Earth System Science Ph.D. Program, Durham, New Hampshire, United States

2008 - 2009 Associate Director, University of New Hampshire, Complex Systems Research Center, Durham, New Hampshire, United States

2006 - 2010 Associate Professor of Natural Resources & Earth, Oceans and Space, University of New Hampshire, Durham, New Hampshire, United States

2001 - 2006	Assistant Professor of Natural Resources & Earth, Oceans and Space, University of New Hampshire, Durham, New Hampshire, United States
1998 - 2001	Research Assistant Professor of Earth, Oceans, and Space, UNH , University of New Hampshire, Durham, New Hampshire, United States
1997 - 1998	Postdoctoral Fellow, Princeton University, Princeston, New Jersey, United States

Products

Products Most Closely Related to the Proposed Project

1. Ma L. Spatial heterogeneity of global forest aboveground carbon stocks and fluxes constrained by spaceborne lidar data and mechanistic modeling. Global Change Biology. 2023; 29(12):3378-3394. DOI: 10.1111/gcb.16682
2. Hurtt G. Beyond MRV: high-resolution forest carbon modeling for climate mitigation planning over Maryland, USA. Environmental Research Letters. 2019; 14(4). DOI: 10.1088/1748-9326/ab0bbe
3. Dolan KA, Hurtt GC, Fisk JP, Flanagan S, Sahajpal R, Huang C, Feng Z, LePage Y. Disturbance Distance: A Framework for Quantifying the Vulnerability of Forest to Disturbance Under Current and Future Conditions. Environmental Research Letters. 2017; 12(11). DOI: 10.1088/1748-9326/aa8ea9
4. Girod C, Hurtt GC, Frolking S, Aber J, King AW. The Tension Between Fire Risk and Carbon Storage: Evaluating U.S. Carbon and Fire Management Strategies Through Ecosystem Models. Earth Interactions. 2007; 11(2):1-33.
5. Hurtt GC, Dubayah R, Drake J, Moorcroft P, Pacala S. Beyond Potential Vegetation: Combining Lidar Remote Sensing and a Height-Structured Ecosystem Model for Improved Estimates of Carbon Stocks and Fluxes. Ecological Application. 2004; 14(3):873-883.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Friedlingstein P. Global Carbon Budget 2023. Earth System Science Data. 2023; 15(12):5301-5369. DOI: 10.5194/essd-15-5301-2023
2. Hurtt GC, Chini L, Sahajpal R. Harmonization of Global Land-Use Change and Management for the Period 850-2100 (LUH2) for CMIP6. Geoscientifc Model Development. 2020; 13(11):5425-5464. DOI: 10.5194/gmd-2019-360
3. Hurtt G. 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. 2011; 109(117). DOI: 10.1007/s10584-011-0153-2
4. Hurtt GC, Pacala SW, Moorcroft PR, Casperson J. Projecting the future of the U.S. carbon sink. Proceedings of the National Academy of Sciences. 2002; 9(33):1389-1394. DOI: 10.1073/pnas.012249999
5. Moorcroft PR, Hurtt GC, Pacala SW. A Method for Scaling Vegetation Dynamics: the Ecosystem Demography Model (ED). Ecological Monographs. 2001; 71(4):557-585.

Synergistic Activities

1. Executive Editorial Board, Environmental Research Ecology 2023-
2. Editorial Board, Environmental Research Letters 2021-

3. Guest Editor, Focus on Global Ecosystem Dynamics Investigation: Research, Applications and Policy Implications, Environmental Research Letters 2019-
4. Lead Guest Editor, Focus on Carbon Monitoring Systems Research and Applications Environmental Research Letters 2017-
5. Science Team Leader, NASA Carbon Monitoring System (CMS) 2012-

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Hurtt, George Caleb in SciENcv on 2024-02-07 10:45:37