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RESEARCH INTERESTS

Dr. Huntzinger's research interests focus on improving the understanding of complex environmental systems and our ability to forecast their future variability. Her current research interests are in advancing the understanding of the land carbon cycle's interactions and feedbacks with Earth's changing climate.

EDUCATION

Michigan Technological University	Geological Engineering	Ph.D. 2006
Michigan Technological University	Graduate Certificate in Sustainability	2006
Colorado School of Mines	Geological Engineering	M.E. 2001
Michigan Technological University	Geological Engineering	B.S. 1998

POSITIONS HELD

<i>Associate Professor, Climate Sciences</i>	August 2016 – Present
<i>Assistant Professor, Climate Sciences</i> School of Earth and Sustainability Northern Arizona University, Flagstaff Arizona	August 2011 – August 2016
<i>Lecturer</i>	September 2009 - August 2011
<i>Post-Doctoral Fellow</i> Department of Civil and Environmental Engineering University of Michigan, Ann Arbor Michigan	October 2007 - August 2011
<i>Research Scientist, Sustainable Futures Institute</i>	March - September 2007
<i>Post-Doctoral Researcher</i>	January - September 2007
<i>Graduate Research and Teaching Assistant</i> Department of Geological and Mining Engineering and Sciences Michigan Technological University, Houghton Michigan	August 2002 - December 2006
<i>Independent Consultant</i> Kennecott Minerals, Marquette Michigan	Summer 2005
<i>Onsite Wastewater Systems Engineer</i> CHURCH & Associates, Wheat Ridge Colorado	August 2001 - July 2002
<i>Graduate Research Assistant</i> Department of Geology and Geological Engineering Colorado School of Mines, Golden CO	August 1999 - August 2001
<i>Project Engineer</i> MKM Engineers, Southfield Michigan	May 1998 - December 1998

PROFESSIONAL SERVICE

Scientific Community Roles:

- *Member*, North American Carbon Program Science Leadership Group (2017 – present)
- *Member*, NASA Arctic Boreal Vulnerability Experiment (ABOVE) Science Team (2015 – present)
- *Co-Chair*, North American Carbon Program Science Leadership Group (2014 – 2017)
- *Working Group Member*, Oak Ridge National Laboratory, Distributed Active Archive Center (DAAC) for Biogeochemical Dynamics User Working Group (2014- 2017)
- *Member*, NASA Carbon Monitoring System Science Team (2012 – 2014)
- *Invited Participant*, A “Pre-Decadal” Workshop on the Carbon-Climate System (2015)

Editorial Roles:

- *Editor*, Journal of Geophysical Research - Biogeosciences (April 2018 - Present)
- *Associate Editor*, Frontiers in Ecology and the Environment (2014 - 2018)
- *Review Editor*, Frontiers in Interdisciplinary Climate Studies

Scientific Conference Planning and Organization:

- Northern American Carbon Program All Investigator’s Meeting, Scientific Planning:
 - *Member*: scientific program planning committee for the 5th North American Carbon Program Principal Investigators Meeting, February 2015
 - *Co-Chair*: scientific program planning committee for the 4th North American Carbon Program All Investigators Meeting, Albuquerque NM, February 2013
 - *Member*: scientific program planning committee for the 3rd North American Carbon Program All Investigators Meeting, New Orleans, LA, February 2011
 - *Chair*: Regional-continental scale interim synthesis breakout session North American Carbon Program 2nd All-Investigators Meeting, San Diego, CA, February 2009
- American Geophysical Union Fall Meetings, San Francisco, California, special session planning and organization:
 - *Co-Organizer and Convener* with Christopher Schwalm (NAU), Anna Michalak (Carnegie Institution for Science), and Robert Cook (ORNL), special session entitled “*Model Intercomparisons: Synthesis that Inform Scientific Understanding*,” December 2013
 - *Co-Organizer and Convener* with Kevin Schaefer (NSIDC and UC-Boulder), Steven Ogle (CSU), and Luis Gustavo de Goncalves (NASA/GSFC), special session titled “*North American Carbon Program Synthesis Results and Similar Model-Data Comparisons*,” December 2010
- North American Carbon Program (NACP) Interim Synthesis workshop planning and session chair:
 - *Co-Chair*: Regional synthesis breakout session 2nd North American Carbon Program Regional and Site Interim Synthesis Workshop, Oak Ridge, Tennessee, November 2009
 - *Chair*: Regional synthesis breakout session North American Carbon Program Regional and Site Interim Synthesis Workshop, Oak Ridge National Laboratory January 2009
 - *Co-Organizer*: 1st North American Carbon Program Regional and Site Interim Synthesis Workshop, Oak Ridge National Laboratory January 2009
- Other conference organizing (* indicates student):
 - *Co-Organizer with *Katharyn Woods*: Climate Change Mitigation and Adaptation on Colorado Plateau Session, 12th Biennial Conference of Science and Management on the Colorado Plateau, Flagstaff Arizona, September 2013

Reviewer Roles:

- *Scientific Research Proposal Review Panel Member:*
 - NSF Macrosystems Biology
 - NSF Early NEON Science
 - NASA Earth Ventures Instruments

- NOAA Earth System Science (ESS) Program, Global Carbon Cycle component
- NASA Earth and Space Science Fellowship, Carbon Cycle and Ecosystems Focus Area
- *Journal Reviewer:* Atmospheric Chemistry and Physics, Biogeosciences, Carbon Management, Ecological Applications, Environmental Science and Technology (ES&T), Geophysical Research Letters (GRL), Journal of Geophysical Research- Atmospheres (JGR-Atm), Journal of Geophysical Research – Biogeosciences (JGR-Bio), Global Biogeochemical Cycles (GBC), International Journal of Engineering Education (IJEE Journal of Hazardous Materials (JHM), Nature, Nature Geoscience, Nature Climate Change, Nature Communications

NAU Department/School Committees and Service:

- Chair, Climate Science and Solutions Graduate Advisory Committee (2010 – 2017)
- Program Coordinator and Academic Advisor, Climate Science and Solutions Professional Science Master’s Program (2010 – 2017)
- SESES Graduate Program Leadership Team, CSS representative (2010 – 2017)

TEACHING

School of Earth Sciences and Environmental Sustainability. Northern Arizona University, Flagstaff. August 2011 – present: Developed, delivered, and improved 6 graduate and undergraduate courses that support the core curriculum in the B.S. Environmental Sciences, M.S. Climate Science and Solutions, and interdisciplinary SESES PhD degree programs. The courses integrated multiple learning styles and active learning through community-based discussions, projects for industry and community clients, independent case studies, group and individual projects, and intensive writing. Software and web-based Content Management Systems are used in several classes to promote student interaction and engagement.

Graduate Level:

ENV 591: Science and Management of Greenhouse Gases – 3 credits

School of Earth Sciences and Environmental Sustainability

Taught: Spring 2012 (15 students), 2013 (12 students), 2015 (14 students), 2016 (15 students), 2017 (15 students), Fall 2018 (15 students)

ENV 675: Topics in Environmental Discourse – 3 credits (new course introduced)

School of Earth Sciences and Environmental Sustainability

Taught: Fall 2014 (24 students), Fall 2015 (29 students), Spring 2016 (14 students), Fall 2016 (28 students)

ENV 698: Graduate Seminar in Climate Science and Solutions – 1 to 2 credits

School of Earth Sciences and Environmental Sustainability

Taught: Fall 2011 (20 students), 2012 (22 students), 2013 (16 students)
Spring 2012 (12 students), 2013 (11 students)

ENV 608: Fieldwork Experience – 1 to 3 credits

School of Earth Sciences and Environmental Sustainability

Taught: Fall 2011 (8 students), Spring 2012 (12 students), Summer 2012 (12 students), Spring 2013 (10 students), Summer 2013 (10 students)

EGR 501: Topics in Sustainable Systems – 3 credits

Department of Civil Engineering, Construction Mgmt., and Environmental Engineering

Taught: Fall 2012 (36 students), 2013 (23 students), 2014 (24 students)

Undergraduate Level:

ENV 360: Physical & Chemical Processes in the Hydrosphere & Atmosphere – 4 credits

School of Earth Sciences and Environmental Sustainability

Taught: Fall 2014 (34 students), 2015 (48 students)

Invited Guest Lectures at NAU:

- FS 111: First-Year Seminar, “*Global climate change: natural and human causes of climate change*” (Spring 2012)
- PHI 331: Environmental Ethics, “*Climate change: an introduction*” (Fall 2012)
- ENV 360: Hydrosphere – Atmosphere, “*GHGs and Carbon Cycle*” & “*Aerosols and Radiative Forcing*” (Fall 2016)
- BIO 426: Plants and Climate, “*Terrestrial biospheric models and land-atmosphere flux estimates*” (Spring 2012)
- BIO 479: Ecosystems and Climate Change, “*Terrestrial biospheric models and land-atmosphere flux estimates*” (Spring 2012)
- ENV 595: Global Climate Change
 - “*Improving the understanding of complex environmental systems*” (Fall 2011)
 - “*Global carbon cycle*” (Fall 2014)
- EES 605: Graduate Seminar, “*Earth system modeling, an introduction*” (Fall 2013, Fall 2015, Fall 2016)
- EES 680: Earth and Environmental Data Analysis, “*Will Lake Mead go dry?*” (Spring, 2017)
- FOR 504: Climate Savvy Conversation, “*Mitigation as an imperative*” (Spring 2012)

Lecturer, Department of Civil and Environmental Engineering, University of Michigan. September 2009 – August 2011. Taught two large upper-division courses supporting the core curriculum of the B.S. in Environmental Engineering degree program.

CEE 260: Environmental and Sustainable Engineering Principles – 4 credits

Department of Civil and Environmental Engineering

Taught: Spring 2011 (95 students)

CEE 270: Statistical Methods for Data Analysis and Uncertainty Modeling – 4 credits

Department of Civil and Environmental Engineering

Taught: Fall 2009 (88 students), 2010 (90 students)

STUDENTS ADVISING/MENTORING

Graduated NAU Master’s students as advisor, co-advisor, or committee member (Advisor for 58 CSS and 3 ES&P graduates, and committee member for 1 EES Ph.D., 2 ES&P, and 2 GLG graduates):

- Katharyn Woods, *committee member*, EES Ph.D. candidate (Summer 2018)
- Megan Deane McKenna, *committee member*, M.S. Environmental Science & Policy (May 2018)
- Hannah Kolus, *advisor / thesis chair*, “Assessing terrestrial biosphere model treatment of ecosystem drought response and recovery,” M.S. Environmental Science & Policy (May 2017)
- Michelle Ferguson, *committee member*, “Examining policy direction towards landscape resilience: management implications across Southwestern national forests,” M.S. Environmental Science & Policy (May 2017)
- Jessica Conboy, *advisor / thesis chair*, “Monitoring and modeling changes in the terrestrial carbon cycle,” M.S. Environmental Science & Policy, completed (May 2015)
- Kyle Paffett, *committee member*, “Analysis of springs assessment data to select springs for stewardship in the Coconino and Kaibab national forests, Northern Arizona,” M.S. Geology, completed (May 2014)
- Dominique Bain, *advisor / thesis chair*, “Wind energy: modeling implications and influences on policy decisions,” M.S. Environmental Science & Policy, completed (Dec 2013)
- Clint Wyatt, *committee member*, “Estimating groundwater yield following forest restoration along the Mogollon Rim, Arizona,” M.S. Geology, completed (May 2013)
- *Major advisor* for 14 MS Climate Science & Solutions (Graduated Dec 2016): Seth Cauman, Heather Aaron, Wilda Anagal, Donald Bayles, Courtney Charter, Erin Duffy, Zachary Fader, Jessica Lazor,

Rosanne Lockwood, William Pleitgen, Dawnyelle Smith, Todd Traen, Clifton Trujillo, William Watkins.

- *Major advisor* for 2 MS Climate Science & Solutions (Graduated May 2016): Dara-Marks Marino, Josephas Allmond
- *Major advisor* for 10 MS Climate Science & Solutions (Graduated Dec 2015): Philip Bouley, Jeffrey Bousson, Haley DeLong, Evan Healy, Dylan Krull, Annie Levan, Zach McGuire, Sean Perks, Erick Reynoso, Fletcher Wilkinson
- *Major advisor* for 3 MS Climate Science & Solutions (Graduated Dec 2014): Kaylee Beckman, Megan Carmel, Thomas Schmidt, Daniel Stewart
- *Major advisor* for 9 MS Climate Science & Solutions (Graduated Dec 2013): Jason Bull, Carolyn Cooper, Kelly Engle, Julie Jurkowski, Crystal Kelly, Nicolas Krause, Garret Marcantel, Charles Sarr, John Steller
- *Major advisor* for 12 MS Climate Science & Solutions (Graduated Dec 2012): Clint Basham, Colleen Cooley, Chanda Durnford, Abraham Henn, Stephanie Jackson, Jason Langer, Christopher Menges, Kaitlin Meszaros, Alex Oden, Adrian Peshlakai, Sarah Rentaria, Katharyn Woods
- *Major advisor* for 8 MS Climate Science & Solutions (Graduated Dec 2011): Annikki Chamberlain, Billie Ford, Chase Waddell, Erik Green, Erin Henry, Jarret Childers, Matt Cohen, Nevin Kohler

Current NAU Ph.D. advising, co-advising, or committee membership:

- Haydee Hampton, *committee member*, Forestry Ph.D. candidate (Oct 2011 – present)
- Alicia Tarancon, *committee member*, Forestry Ph.D. student (Fall 2015 – present)

Current NAU M.S. advisor, co-advisor, or committee member:

- Anona Miller, *advisor*, M.S. Environmental Science & Policy (Aug 2018 – present)

Completed advising at Michigan Technological University:

- Jill Bruning, *committee member*, “A digital processing and data compilation approach for using remote sensing imagery to identify geologic lineaments in hard-rock terrain: an application for groundwater exploration in Nicaragua,” M.S. in Geological Engineering (2008)
- Elizabeth Myre, *committee member*, “The significance of casing storage in tests of drilled wells equipped with rope pumps,” M.S. Environmental Engineering (2008)
- Armeda VanDam, *committee member*, “A study of arsenic in the Lake Olomega, El Salvador and its impact on human health,” M.S. Geology (2007)

FUNDING HISTORY

Current Funding (Current funding as PI or Co-I totaling > \$3M):

- *Co-Investigator*, “Magnitude and drivers of interannual variability in terrestrial and ocean CO₂ fluxes from OCO-2 using a geostatistical inverse model,” National Aeronautics and Space Administration (NASA), June 1, 2018 – May 31, 2021; \$569,809.
- *Co-Investigator*, “Tools to bridge the gap between static CMS maps, models, and stakeholders,” National Aeronautics and Space Administration (NASA) Research Opportunities in Space and Earth Sciences (ROSES), Carbon Monitoring System (CMS), September 1, 2016 – August 31, 2019; \$1,260,344.
- *Principal Investigator*, “Multi-scale Synthesis and Terrestrial Biospheric Model Intercomparison Project – Phase II,” National Aeronautics and Space Administration (NASA) Research Opportunities in Space and Earth Sciences (ROSES), Carbon Cycle Science, June 1, 2014 – Extended to May 31, 2019; \$1,599,833.

Prior Funding (Prior funding as PI or Co-PI totaling > \$3M):

- *Principal Investigator*, “Benchmarking TBM estimates of carbon pool size and turn-over rates in the Arctic-Boreal Region” National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory, September 1, 2017 – August 31, 2018; \$20,000.
- *Co-Investigator*, “A Model-Data Integration Framework (MoDIF) for ABoVE Phase I Research: Simulation, Scaling and Benchmarking for Key Indicators of Arctic-Boreal Ecosystem Dynamics,” National Aeronautics and Space Administration (NASA) Research Opportunities in Space and Earth Sciences (ROSES), Arctic-Boreal Vulnerability Experiment (ABoVE), September 1, 2015 – August 31, 2018; \$724,000.
- *Co-Principal Investigator*, “Collaborative research: deliberation and communication-building practical skills in the next generation of environmental scientists,” National Science Foundation (NSF) Ethics Education in Science and Engineering Program, September 9, 2012 – August 8, 2015 (extended to December of 2017); \$299,982.
- *Co-Principal Investigator*, “Using observations to assess the sensitivity of land-atmosphere carbon exchange to climate variability,” National Aeronautics and Space Administration (NASA) Research Opportunities in Space and Earth Sciences (ROSES), Terrestrial Ecology Program, May 1 2012 – December 31 2015; \$437,165.
- *Principal Investigator*, “Reduction in bottom-up land surface CO₂ flux uncertainty in NASA’s Carbon Monitoring System (CMS) Flux Project through systematic multi-model evaluation and infrastructure development,” National Aeronautics and Space Administration (NASA) Research Opportunities in Space and Earth Sciences (ROSES), Carbon Monitoring System (CMS), September 15 2012 – September 14 2014; \$505,309.
- *Principal Investigator*, “Carbon sequestration in cement kiln dust through mineral carbonation,” Bisgrove Scholarship Award, Science Foundation Arizona, June 2012 – September 2014; \$200,000.
- *Principal Investigator*, “Comparison and evaluation of runoff estimates generated by terrestrial biospheric models participating in the North American Carbon Program (NACP) Regional Interim Synthesis,” Subcontract to Oak Ridge National Laboratory, April 1, 2012 – March 10, 2013; \$39,342.
- *Science PI* with A. Michalak (PI, UM Civil & Env. Eng; Atmospheric Sci.), “North American Carbon Program (NACP) Multi-Scale Synthesis and Terrestrial Model Intercomparison Project,” National Aeronautics and Space Administration (NASA) Research Opportunities in Space and Earth Sciences (ROSES), Terrestrial Ecology Program, March 15 2010 –May 31 2013; \$810,763.
- *Principal Investigator*, “Carbon dioxide sequestration in cement kiln dust,” Michigan Space Grant Consortium, May 2006 – April 2007; \$5,000.
- *Principal Investigator*, “Modeling of carbon dioxide sequestration in industrial waste materials,” Institute of Hazardous Materials Management & Michigan Hazardous Materials Management, May 2004 – April 2005; \$12,000.

AWARDS AND FELLOWSHIPS

- National Science Foundation Sustainable Futures IGERT Traineeship (2004-2006)
- Whirlpool Fellowship for Excellence in Teaching (2002 & 2004)
- Graduate Dean’s Award for Academic Achievement, Michigan Tech. Univ. (2002)
- National Science Foundation Women in Engineering Scholarship (2000-2001)

PUBLICATIONS

Journal Papers (* denotes student authors)

In advanced preparation

1. Huntzinger, D.N., J.B. Fisher, C. Schwalm, D. Hayes, K. Schaefer, A.M. Michalak, Y. Wei, "Modeled Arctic-Boreal carbon dynamics - Initial carbon pool size is prime determinant of simulated future state," (in prep), to be submitted to *Environmental Research Letters* in October, 2018.
2. *Kolus, H., D. Huntzinger, C. Schwalm, J.B. Fisher, N. McKay, et al., "Terrestrial Biosphere models underestimate severity and duration of drought legacy impacts," (in prep), to be submitted to *Scientific Reports* in October of 2018.
3. Yang, J., H. Tian., S. Pan, A.M. Michalak, D.N. Huntzinger, P. Ciais, N. Carvalhais, et al., "Accelerated carbon turnover in the terrestrial biosphere," (in prep), 2018.

In review, revision, or press

4. Huang, K. J. Xia, Y. Wang, A. Ahlstrom, J. Chen, R.B. Cook, E. Cui, Y. Fang, J.B. Fisher, D.N. Huntzinger, A. Li, A.M. Michalak, Y. Qiao, K. Schaefer, C. Schwalm, J. Wang, Y. Wei, X. Xu, L. Yan. C. Bian, Y. Luo, "Enhanced peak growth of global vegetation and its key mechanisms," *Nature Ecology & Evolution* (in press), 2018.
5. Piao, S., Y. Liu, T. Gasser, P. Ciais, H. Yang, H. Wang, T. Keenan, M. Huang, S. Wan, J. Song, K. Wang, I. Janssens, J. Penuelas, C. Huntingford, X. Wang, A. Arain, Y. Fang, J. Fisher, D. Huang, D. Huntzinger, A. Ito, A. Jain, J. Mao, A. Michalak, C. Peng, B. Poulter, C. Schwalm, X. Shi, H. Tian, Y. Wei, N. Zeng, Q. Ahu, T. Wang, "CO₂-enhanced terrestrial carbon sink constrained by field experiments," (submitted), *Nature Geoscience*, 2018.
6. Huntzinger, D.N., A. Chatterjee, D. Moore, S. Ohrel, T.O. West, B. Poulter, A. Walker, J. Dunne, S. Cooley, A. Michalak, M. Tzortziou, L. Bruhwiler, A. Rosenblatt, Y. Luo, P. Marcotullio, J. Russell, "Chapter 19. Future of the North American Carbon Cycle." In: 2nd State of the Carbon Cycle Report (SOCCR-2). A report by the Office of Science and Technology Policy and the Subcommittee on Global Change Research. [Birdsey, R. M. Mayes, R. Najjar, S. Reed, and P. Romero-Lankao (eds)]. (in review). Expected publication: December, 4 2018.
7. Bruhwiler, L., A.M. Michalak, R. Birdsey, D.N. Huntzinger, J.B. Fisher, J. Miller, R.A. Houghton, "Chapter 1. Overview of the global carbon cycle," In: 2nd State of the Carbon Cycle Report (SOCCR-2). A report by the Office of Science and Technology Policy and the Subcommittee on Global Change Research. [Birdsey, R. M. Mayes, R. Najjar, S. Reed, and P. Romero-Lankao (eds)]. (in review). Expected publication: December, 4 2018.

2018

8. Jeong, Su-Jong, A.A. Bloom, D. Schimel, C. Sweeney, N.C. Parazoo, D. Medvigy, G. Schaepman-Strub, C. Zheng, C.R. Schwalm, D.N. Huntzinger, A.M. Michalak, C. Miller, "Accelerating rates of Arctic carbon cycling revealed by long-term atmospheric CO₂ measurements," *Science Advances*, 4(7), DOI: 10.1126/sciadv.aa01167, 2018.
9. Shiga, Y., A. Michalak, Y. Fang, K. Schaefer, A. Andrews, D. Huntzinger, C. Schwalm, K. Thoning, Y. Wei, "Forests dominate the interannual variability of the North American carbon sink," *Environmental Research Letters*, 13(8), 2018.
10. Fisher, J.B., D.J. Hayes, C.R. Schwalm, D.N. Huntzinger, E. Stofferahn, K. Schaefer, Y. Luo, S.D. Wullschleger, et al., "Missing pieces to modeling the Arctic-Boreal puzzle," *Environmental Research Letters*, 13(2), <https://doi.org/10.1088/1748-9326/aa9d9a>, 2018.

11. Zhou, S., J. Liang, X. Lu, Q. Li, L. Jiang, Y. Zhang, C.R. Schwalm, J.B. Fisher, J. Tjiputra, S. Sitch, A. Ahlström, D.N. Huntzinger, Y. Huang, G. Wang, Yiqi Luo, “Sources of uncertainty in modeled land carbon storage within and across three MIPs: Diagnosis with three new techniques,” *Journal of Climate*, 31, <https://doi.org/10.1175/JCLI-D-17-0357.s1>, 2018.

2017

12. Hibbard, K.A., F.M. Hoffman, D. Huntzinger, and T.O. West, 2017, “Changes in land cover and terrestrial biogeochemistry.” In: *Climate Science Special Report: A Sustained Assessment Activity of the U.S. Global Change Research Program* [Wuebbles, D.J., D.W. Fahey, K.A. Hibbard, D.J. Dokken, B.C. Stewart, and T.K. Maycock (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, November, 2017.
13. Fang, Y., A. Michalak, C.R. Schwalm, D.N. Huntzinger, J. Berry, P. Ciais, et al., “Global land carbon sink response to temperature and precipitation varies with ENSO phase,” *Environmental Research Letters*, 12(6), <https://doi.org/10.1088/1748-9326/aa6e8e>, 2017.
14. Huntzinger, D.N., A. Michalak, C. Schwalm, P. Ciais, A.W. King, Y. Fang, K. Schaefer, Y. Wei, R.B. Cook, J.B. Fisher, D. Hayes, M. Huang, A. Ito, A.K. Jain, H. Lei, C. Lu, F. Maignan, J. Mao, N. Parazoo, S. Peng, B. Poulter, D. Ricciuto, X. Shi, H. Tian, W. Wang, N. Zeng, F. Zhao, “Uncertainty in the response of terrestrial carbon sink to environmental drivers undermines carbon-climate feedback predictions,” *Scientific Reports*, 7:4765, doi:10.1038/S41598-017-03818-2, 2017.
15. Kim, J-S, J-S. Kug, S-J Jeong, D.N. Huntzinger, A.M. Michalak, C.R. Schwalm, Y. Wei, and K. Schaefer, “Reduced North American terrestrial primary productivity linked to anomalous Arctic warming,” *Nature Geoscience*, 10, DOI: 10.1038/NGEO2986, 2017.
16. Schwalm, C., W.R.L. Anderegg, A.M. Michalak, J.B. Fisher, F. Biondi, G. Koch, M. Litvak, K. Ogle, J.D. Shaw, A. Wolf, D.N. Huntzinger, K. Schaefer, R. Cook, Y. Wei, Y. Fang, A. Jain, D. Hayes, M. Huang, A. Jain, H. Tian, “Global patterns of drought recovery,” *Nature*, 548, doi:10.1038/nature23021, 2017.
17. Zhou, S., B. Yu, C.R. Schwalm, P. Ciais, Y. Zhang, J.B. Fisher, A.M. Michalak, W. Wang, B. Poulter, D.N. Huntzinger, S. Niu, J. Mao, A. Jain, D. M. Ricciuto, X. Shi, A. Ito, Y. Wei, Y. Huang, G. Wang, “Response of water use efficiency to global environmental change based on output from terrestrial biosphere models,” *Global Change Biology*, 31(11), pp. 1639-1655, <https://doi.org/10.1002/2017GB005733>

2016

18. Fisher, J.B., M. Sikka, D.N. Huntzinger, C. Schwalm, J. Liu, “Technical note: 3-hourly temporal downscaling of monthly global terrestrial biosphere model net ecosystem exchange,” *Biogeosciences*, 13(14), pp. 4271-4277, doi:10.5194/bg-13-4271-2016, 2016.
19. Ito, A., M. Inatomi, D.N. Huntzinger, C. Schwalm, A.M. Michalak, R. Cook, A.W. King, J. Mao, Y. Wei, W.M. Post, W. Wang, M.A. Arain, S. Huang, D.J. Hayes, D. Ricciuto, X. Shi, M. Huang, H. Lei, H. Tian, C. Lu, J. Yang, B. Tao, A. Jain, B. Poulter, S. Peng, P. Ciais, J. Fisher, N. Parazoo, K. Schaefer, C. Peng, N. Zeng, F. Zhao, “Decadal trends in the seasonal-cycle amplitude of terrestrial CO₂ exchange resulting from the ensemble of terrestrial biosphere models,” *Tellus B*, 68, 28968, <http://dx.doi.org/10.3402/tellusb.v68.28968>, 2016.
20. Shao, J., X. Zhou, Y. Luo, G. Zhang, W. Yan, J. Li, B. Li, L. Dan, J. B. Fisher, Z. Gao, Y. He, D. Huntzinger, A.K. Jain, J. Mao, J. Meng, A.M. Michalak, N.C. Parazoo, C. Peng, B. Poulter, C.R. Schwalm, X. Shi, R. Sun, F. Tao, H. Tian, Y. Wei, N. Zeng, Q. Zhu, W. Zhu, “Uncertainty analysis of terrestrial net primary productivity and net biome productivity in China during 1901 – 2005,” *Journal of Geophysical Research – Biogeosciences*, 121(5), doi:10.1002/2015JG003062, 2016.

21. Schimel, D., P. Sellers, B. Moore III, A. Chatterjee, D. Baker, J. Berry, K. Bowman, P. Ciais, D. Crisp, S. Crowell, S. Denning, R. Duren, P. Friedlingstein, M. Gierach, K. Gurney, K. Hibbard, R. Houghton, D. Huntzinger, et al., "Observing the Carbon-Climate System", arXiv:1604.02106 [physics.ao-ph], 2016.
22. Thomas, R.T., I.C. Prentice, H. Graven, P. Ciais, J.B. Fisher, M. Huang, D.N. Huntzinger, A. Ito, A. Jain, J. Mao, A.M. Michalak, S. Peng, B. Poulter, D.M. Ricciuto, X. Shi, C. Schwalm, H. Tian, N. Zeng, "Increased light-use efficiency in northern terrestrial ecosystems indicated by CO₂ and greening observations," *Geophysical Research Letters* 43, doi:10.1002/2016GL070710, 2016.
23. Tian, H., C. Lu, P. Ciais, A.M. Michalak, J.C. Canadell, R. Saikawa, D.N. Huntzinger, K.R. Gurney, S. Sitch, B. Zhang, J. Yang, P. Bousquet, L. Bruhwiler, G. Chen, E. Dlugokencky, P. Friedlingstein, J. Melillo, S. Pan, B. Poulter, R. Prinn, M. Saunio, C.R. Schwalm, S.C. Wofsy, "The terrestrial biosphere as a net source of greenhouse gases to the atmosphere," *Nature*, 531, doi:10.1038/nature16946, 2016.

2015

24. Mao, J., W. Fu, X. Shi, D. Ricciuto, J.B. Fisher, R. Dickinson, Y. Wei, W. Shem, S. Piao, K. Wang, C. Schwalm, H. Tian, M. Mu, A. Arain, P. Ciais, R. Cook, Y. Dai, D. Hayes, F. Hoffman, M. Huang, S. Huang, D. Huntzinger, A. Ito, A. Jacobson, A. Jain, A.W. King, H. Lei, C. Lu, A.M. Michalak, C. Peng, S. Peng, B. Poulter, K. Schaefer, E. Jafarov, P.E. Thornton, W. Wang, N. Zeng, Z. Zhu, "Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends," *Environmental Research Letters*, 10, doi:10.1088/1748-9326/10/9/094008, 2015.
25. King, A.W., R.J. Andres, K.J. Davis, M. Hafer, D.J. Hayes, D.N. Huntzinger, B. de Jong, W.A. Kurz, A.D. McGuire, R. Vargas, Y. Wei, T.O. West, C.W. Woodall, "North America's net terrestrial carbon exchange with the atmosphere 1990-2009," *Biogeosciences*, 12, 339-414, doi:10.5194/bg-12-399-2015, 2015.
26. Schwalm, C., D. Huntzinger, J. Fisher, A. Michalak, K. Bowen, P. Ciais, R. Cook, B. El-Masri, D. Hayes, M. Huang, A. Ito, A. Jain, A.W. King, H. Lei, J. Liu, C. Lu, J. Mao, S. Peng, B. Poulter, D. Ricciuto, K. Schaefer, X. Shi, B. Tao, H. Tian, W. Wang, Y. Wei, J. Yang, N. Zeng, "Toward "optimal" integration of terrestrial biosphere models," *Geophys. Res. Lett.*, 42, doi: 10.1002/2015GL064002, 2015.
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E. Tomelleri, H. Verbeeck, N. Viovy, R. Wania, N. Zeng, C.E. Miller, "Carbon cycle uncertainty in the Alaskan arctic," *Biogeosciences*, 11, pp. 4271-4288, doi:10.5194/bg-11-4271-2014, 2014.

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37. Michalak, A., D.N. Huntzinger, G. Shrestha, "Mapping NACP progress onto long-term carbon cycle science goals: An integrative view North American Carbon Program 4th All Investigators Meeting, Albuquerque, NM, 4-7 February 2013," *Eos, Transactions American Geophysical Union*, 94(20), pp. 184, 2013.
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39. Schwalm, C.R., D.N. Huntzinger, A.M. Michalak, J.B. Fisher, J.S. Kimball, B. Mueller, K. Zhang, and Y. Zhang, "Sensitivity of inferred climate model skill to evaluation decisions: a case study using CMIP5 evapotranspiration," *Environmental Research Letters*, 8(2), doi:10.1088/1748-9326/8/2/024028, 2013.

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42. Huntzinger, D.N., W.M. Post, Y. Wei, A.M. Michalak, T.O. West, A.R. Jacobson, I.T. Baker, J.M. Chen, K.J. Davis, D.J. Hayes, F.M. Hoffman, A.K. Jain, S. Liu, A.D. McGuire, R.P. Neilson, C. Potter, B. Poulter, D. Price, B.M. Raczka, H.W. Tian, P. Thornton, E. Tomelleri, N. Viovy, J. Xiao, W. Yuan, N. Zeng, R. Cook, "North American Carbon Project (NACP) Regional Interim Synthesis: Terrestrial Biospheric Model Intercomparison," *Ecological Modeling*, 224(1), 144-157, 2012.
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46. Huntzinger, D.N., A.M. Michalak, S.M. Gourdj, and K.L. Mueller, "A Systematic Approach for Comparing Modeled Biospheric Carbon Fluxes Across Regional Scales," *Biogeosciences*, 8, pp. 1579-1593, doi:10.5194/bg-8-1579-2011, 2011.
47. *Waddell, C.J., M.D. Hurteau, and D.N. Huntzinger, "Product Carbon Footprinting: A Proposed Framework to Increase Confidence, Reduce Costs, and Incorporate Profit Incentive," *Carbon Management*, 2(6), pp. 645-657, doi:10.4155/cmt.11.68, 2011.

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49. Huntzinger, D.N., J.S. Gierke, L.L. Sutter, S.K. Kawatra, T. C. Eisele, "Mineral Carbonation for Carbon Sequestration in Cement Kiln Dust Waste Piles," *Journal of Hazardous Materials*, 168(1), pp. 31-37, 2009.
50. Huntzinger, D.N. and T. Eatmon, "A Life-Cycle Assessment of Portland Cement Manufacturing: Comparing the Traditional Process with Alternative Technologies," *Journal of Cleaner Production*, 17(7), pp. 668-675, 2009.

2001 - 2007

51. Huntzinger, D.N., M.J. Hutchins, J.S. Gierke, and J.W. Sutherland, "Enabling Sustainable Thinking in Undergraduate Engineering Education," *International Journal of Engineering Education*, 23(2), 2007.
52. Beach, D.N.H., J.E. McCray, K.S. Lowe, and R.L. Siegrist "Temporal Changes in Hydraulic Conductivity of Sand Porous-Media Biofilters during Wastewater Infiltration: Experimental Evaluation," *Journal of Hydrology*, 311, pp. 230-243, 2005.
53. Beach, D.N.H. and J.E. McCray, "Numerical Modeling of Unsaturated Flow in Wastewater Soil Absorption Systems," *Ground Water Monitoring & Remediation*, 23(2) pp. 64-72, 2003.

54. Huntzinger, D.N., J.E. McCray, S. van Cuyk, and R. Siegrist, “Numerical Modeling of Unsaturated Flow and Transport in On-Site Wastewater Treatment Systems as Affected by Soil Clogging,” 9th National Symposium on Individual and Small Community Sewage Systems, Amer. Soc. Ag. Engineers, Fort Worth, TX, 2001.

Data Products (Author or co-author of 5 data products since 2013)

1. Fisher, J.B., M. Sikka, D.N. Huntzinger, C. Schwalm, J. Liu, et al., “CMS: New prior land flux estimates, and their associated uncertainty for CMS and other atmospheric CO₂ inversions,” (in press), Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, USA.
2. Huntzinger, D.N., C.R. Schwalm, Y. Wei, R.B. Cook, A.M. Michalak, K. Schaefer, A.R. Jacobson, M.A. Arain, P. Ciais, J.B. Fisher, D.J. Hayes, M. Huang, S. Huang, A. Ito, A.K. Jain, H. Lei, C. Lu, F. Maignan, J. Mao, N. Parazoo, C. Peng, S. Peng, B. Poulter, D.M. Ricciuto, H. Tian, Xiaoying Shi, W. Wang, N. Zeng, F. Zhao, and Q. Zhu (in press). NACP MsTMIP: Global 0.5-deg Terrestrial Biosphere Model Outputs (version 1) in Standard Format. Data set. Available on-line [<http://daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, USA. doi: 10.3334/ORNLDAAC/1225. 2015
3. Huntzinger, D.N., C. Schwalm, A.M. Michalak, K. Schaefer, Y. Wei, R.B. Cook, and A. Jacobson. NACP MsTMIP Summary of Model Structure and Characteristics. Available on-line (<http://daac.ornl.gov>) from ORNL DAAC, Oak Ridge, Tennessee, USA. <http://dx.doi.org/10.3334/ORNLDAAC/1228>. 2014.
4. Wei, Y., S. Liu, D. Huntzinger, A.M. Michalak, N. Viovy, W.M. Post, C. Schwalm, K. Schaefer, A.R. Jacobson, C. Lu, H. Tian, D.M. Ricciuto, R.B. Cook, J. Mao, and X. Shi. NACP MsTMIP: Global and North American Driver Data for Multi-Model Intercomparison. Data set. Available on-line [<http://daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, USA. <http://dx.doi.org/10.3334/ORNLDAAC/1220>. 2014.
5. Cook, R.B., W.M. Post, P.E. Thornton, A. Jacobson, D.N. Huntzinger, Y. Wei, I. Baker, J. Chen, F. Chevallier, F. Hoffman, A. Jain, S. Liu, R. Lokupitiya, D.A. McGuire, A. Michalak, G.G. Moisen, R.P. Neilson, P. Peylin, C. Potter, B. Poulter, D. Price, J. Randerson, C. Rodenbeck, A. Schuh, C. Schwalm, H. Tian, E. Tomelleri, D. Turner, G. van der Werf, N. Viovy, T.O. West, J. Xiao, N. Zeng, and M. Zhao. 2013. NACP Regional: Original Observation Data and Biosphere and Inverse Model Outputs. Data set. Available on-line [<http://daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, USA. <http://dx.doi.org/10.3334/ORNLDAAC/1193>. 2013.

Book Chapters

1. Sundquist, E.T., K.V. Ackerman, L. Parker, D.N. Huntzinger, “An Introduction to Global Carbon Cycle Management,” in Carbon Sequestration and Its Role in the Global Carbon Cycle, Geophysical Monograph Series 183, the *American Geophysical Union*. 10.1029/2009GM000914, 2009.

INVITED PRESENTATIONS

2018

1. Huntzinger, D.N., "Uncertainty in response of net land sink to rising atmospheric CO₂ undermines climate projections," Invited Oral Presentation, Ecological Society of America Annual Meeting, New Orleans, August, 2018.

2017

1. Huntzinger, D.N., S. Cooley, D. Moore, SOCCR-2 Chapter 17 and 19 Contributing Authors, “Future projections and consequences of the changing North American carbon cycle,” Invited Poster Presentation, Abstract B41G-2049, American Geophysical Union Fall Meeting, New Orleans, December 2017.
2. Huntzinger, D.N., “Terrestrial carbon cycling and climate change,” Invited Talk presented at SCI Talks, Flagstaff Festival of Science, Coconino Center for the Arts, Flagstaff, AZ, September 20, 2016.
3. Huntzinger, D.N., “Model ensembles – what are they and what can we learn from them?” Invited talk presented at the 10th Annual Summer Course in Flux Measurements and Advanced Modeling,” University of Colorado Mountain Research Station, July 2017.

2016

4. Huntzinger, D.N., MsTMIP core team and participants, “Predictive skill of current terrestrial biospheric models – pitch for an ensemble approach,” Invited Talk presented at the NACP workshop on Development of Predictive Carbon Cycle Science, College Park, Maryland, March 2016.

2015

5. Huntzinger, D.N., “Embrace the ensemble: the value of using multiple models to simulate terrestrial carbon cycling,” Invited talk presented at the 8th Annual Summer Course in Flux Measurements and Advanced Modeling,” University of Colorado Mountain Research Station, July 2015.
6. Huntzinger, D.N., “Embrace the ensemble: the value of using multiple models to simulate terrestrial carbon cycling,” Invited talk given at Stanford University, Department of Global Ecology seminar series, June 2015.
7. Huntzinger, D.N., “All models are wrong – useful or useless?” Invited plenary talk, NASA Carbon Cycle & Ecosystem Joint Science Workshop, College Park, Maryland, April 2015.
8. Huntzinger, D.N., “Uncertainties and unknowns: current and future terrestrial model and observational needs,” Invited talk presented at A “Pre-Decadal Survey” Workshop: The Carbon-Climate System, Norman, OK, March 2015.

2014

9. Huntzinger, D.N., “Regional and Global Scale Biospheric Model Flux Estimates,” Invited talk presented at the 7th Annual Summer Course in Flux Measurements and Advanced Modeling,” University of Colorado Mountain Research Station, July 2014.
10. Huntzinger, D.N., C. Schwalm, A. Michalak, J. Fisher, B. Poulter, Y. Wei, R. Cook, K. Schaefer, A. Jacobson, and MsTMIP Modeling Teams, “Using observational data to evaluate global terrestrial biospheric models: challenges and opportunities?” Invited plenary talk presented at the AmeriFlux Annual Principal Investigators Meeting, Potomac MD, May 2014.

2013

11. Huntzinger, D.N., C. Schwalm, A. Michalak, W.M. Post, K. Schaefer, A. Jacobson, Y. Wei, R. Cook, and MsTMIP Participants, “Methods and results from regional synthesis and MsTMIP,” Invited talk presented at the DataOne – ILAMP Working Group: Exploration, Visualization, and Analysis (EVA) workshop, New York University-Polytechnic, January 2013.

2012

12. Huntzinger, D.N., “Regional Estimates of Land-Atmosphere Carbon Exchange,” Invited talk presented at the 5th Annual Summer Course in Flux Measurements and Advanced Modeling, University of Colorado Mountain Research Station, July 2012.

13. Huntzinger, D.N., “Evaluating model estimates of land-atmosphere carbon flux,” invited talk presented at ATMO Seminar Series, University of Arizona, April 2012.
14. Huntzinger, D.N., C. Schwalm, J. Fisher, J. Liu, K. Bowman, R. Cook, “Reduction in bottom-up land surface CO₂ flux uncertainty in NASA’s Carbon Monitoring System Flux Project through systematic multi-model evaluation and infrastructure development,” Invited speed talk given at the NASA-CMS Science Team Meeting, Washington D.C., November 2012.
15. Huntzinger, D.N., “Multi-scale Synthesis and Terrestrial Model Intercomparison Project – A systematic approach for evaluating land-atmosphere flux estimates,” Invited talk presented at the Water and Carbon Cycle seminar series at NASA Jet Propulsion Laboratory, Pasadena CA, February 2012.

2011

16. Huntzinger, D.N., W.M. Post, K. Schaefer, A.R. Jacobson, C.R. Schwalm, R.B. Cook, A.M. Michalak, NACP Regional-Interim Synthesis Participants, MsTMIP Participants, “Multi-Scale Synthesis and Terrestrial Model Intercomparison Project – A Systematic Approach for Evaluating Land-Atmosphere Flux Estimates,” Invited Oral Presentation, Abstract B34D-06, American Geophysical Union Fall Meeting, San Francisco, CA, December 2011.

2009

17. Huntzinger, D.N., W.M. Post, A. Jacobson, R. Cook and Regional/Continental Interim-Synthesis Team Participants, “North American Carbon Project (NACP) Regional Model-Model and Model-Data Intercomparison Project,” Invited Oral Presentation, American Geophysical Union Joint Assembly, Toronto, ON, Canada, May 2009.

OTHER SELECTED CONFERENCE PRESENTATIONS (SINCE 2008) (As first author or with student as first author; *denotes student authors)

2017

1. Huntzinger, D.N., “Soil carbon residence time in the Arctic – potential drivers of past and future change,” Oral Presentation, Abstract B11J-04, American Geophysical Union Fall Meeting, New Orleans, December 2017.
2. *Kolus, H.R., D.N. Huntzinger, C. Schwalm, J.B. Fisher, et al., “Drought Response and Recovery: How Good Are Terrestrial Biosphere Models?” Poster Presentation, Joint NACP and AmeriFlux Principal Investigators Meeting, Bethesda MD, March 2017.

2016

3. Huntzinger, D.N., A. Chatterjee, S. Cooley, J. Dunne, F. Hoffman, Y. Luo, D. Moore, S. Ohrel, B. Poulter, D. Ricciuto, M. Tzortziou, A. Walker, M. Mayes, “The future of the North American carbon cycle – projections and associated climate change,” Oral Presentation, Abstract GC23K-18, American Geophysical Union Fall Meeting, San Francisco CA, December 2016.

2015

4. *Kolus, H.R., D.N. Huntzinger, C. Schwalm, J.B. Fisher, et al., “Assessing model treatment of drought legacy effects in the Amazon,” Poster Presentation, Abstract B11C-0451, American Geophysical Union Fall Meeting, San Francisco CA, December 2015.
5. *Woods, K.D., C. Schwalm, D.N. Huntzinger, R. Massey, B. Poulter, T. Kolb, “FLUXNET to MODIS: Connecting the dots to capture heterogeneous biosphere metabolism,” Oral Presentation, Abstract B51J-02, American Geophysical Union Fall Meeting, San Francisco CA, December 2015.
6. *Conboy (Swedish), J., D.N. Huntzinger, C. Schwalm, J.B. Fisher, J. Liu, A.M. Michalak, K. Bowman, J. Tadix, M. Qiu, “Evaluating a group of terrestrial biosphere models with satellite observations of

atmospheric CO₂,” Poster Presentation, Graduate School Poster Symposium 2015, Northern Arizona University, Flagstaff AZ, April 2015.

7. *McGuire, Z., D. Huntzinger, E. Nielsen, J. Downard, “Climate science and solutions public discourse,” Poster Presentation, 4th Annual Student Conference on Renewable Energy Science, Technology, and Policy, Tucson, AZ, April 2015.

2014

8. Huntzinger, D.N., C.R. Schwalm, A.M. Michalak, Y. Wei, R.B. Cook, K.M. Schaefer, A.R. Jacobson, M.A. Arain, P. Ciais, J.B. Fisher, D.J. Hayes, M. Huang, S. Huang, A. Ito, A. Jain, H. Lei, C. Lu, F. Maignan, J. Mao, N. Parazoo, S. Peng, C. Peng, B. Poulter, D. Ricciuto, X. Shi, H. Tian, N. Zeng, F. Zhao, Q. Zhu, W. Wang, “Trends in the Global Net Land Sink and Their Sensitivity to Environmental Forcing Factors: Results From the Multi-Scale Synthesis and Terrestrial Model Intercomparison Project (MsTMIP)” Oral Presentation, Abstract B124B-01, American Geophysical Union Fall Meeting, San Francisco, CA, December 2014.
9. *Swetish, J., D. Huntzinger, C. Schwalm, J. Fisher, J. Liu, A. Michalak, K. Bowman, “Reducing uncertainty in terrestrial biospheric models with satellite observations of atmospheric CO₂: comparing MsTMIP with GOSAT,” Poster Presentation, Abstract B13C-0190, American Geophysical Union Fall Meeting, San Francisco, CA, December 2014.
10. *Woods, K., C. Schwalm, D. Huntzinger, P. Poulter, T. Kolb, “Light, temperature and water: how the combined effects of drought control terrestrial carbon flux,” Oral Presentation, Abstract B33H-04, American Geophysical Union Fall Meeting, San Francisco, CA, December 2014.
11. *Swetish, J., D. Huntzinger, “Benchmarking Models for NASA’s Carbon Monitoring System,” Oral Presentation (finalist), Three-Minute Research Presentation Contest, Northern Arizona University, Flagstaff AZ, April 2014.
12. *Swetish, J., D. Huntzinger, “Thesis Proposal: The use of satellite-based observations to benchmark terrestrial biospheric models,” Poster Presentation (student poster winner), School of Earth Sciences and Environmental Sustainability Graduate Student Banquet, Northern Arizona University, Flagstaff AZ, April 2014.

2013

13. Huntzinger, D.N., C.R. Schwalm, A.M. Michalak, R.B. Cook, A.R. Jacobson, K. Shaefer, Y. Wei, A. Dasgupta, J. Poco, and MsTMIP modeling teams, “Global net land carbon sink: results for the Multi-scale Synthesis and Terrestrial Model Intercomparison Project (MsTMIP),” Oral Presentation, Abstract B13M-05, American Geophysical Union Fall Meeting, San Francisco CA, December 2013.
14. *Swetish, J., D. Huntzinger, A. Michalak, C. Schwalm, J. Fisher, J. Liu, K. Bowman, “Benchmarking terrestrial biospheric models against CO₂ observations from GOSAT,” Poster Presentation, Abstract B11E-0404, American Geophysical Union Fall Meeting, San Francisco CA, December 2013.
15. *Woods, K.D., C. R. Schwalm, D.N. Huntzinger, T. Kolb, B. Poulter, “Seasonality and sensitivity of land-atmosphere carbon exchange,” Oral Presentation, Abstract B51J-07, American Geophysical Union Fall Meeting, San Francisco CA, December 2013.
16. *Woods K., S. Plumb, E. Nielsen, D. Huntzinger, “Climate mitigation through 4FRI efforts,” Oral Presentation, 12th Biennial Conference of Science and Management on the Colorado Plateau, September 2013.
17. *Bain, D., T. Rogers, T. Acker, D. Huntzinger, “Comparison of the actual versus predicted wind energy production of a residential wind turbine using WindPRO and Wasp Software,” Poster Presentation, AWEA WINDPOWER 2013 Conference & Exhibition, Chicago IL, May 2013.

18. Huntzinger, D., C. Schwalm, A. Michalak, W.M. Post, K. Schaefer, A. Jacobson, Y. Wei, R. Cook, “Multi-Scale Synthesis and Terrestrial Model Intercomparison Project – a systematic approach for evaluating land-Atmosphere flux estimates,” Poster Presentation, NASA Terrestrial Ecology Science Team Meeting, La Jolla CA, April 2013.
19. Huntzinger, D.N., C.R. Schwalm, A.M. Michalak, W.M. Post, K. Schaefer, A.R. Jacobson, Y. Wei, R.B. Cook, and MsTMIP Participants, “Multi-scale Synthesis and Terrestrial Model Intercomparison Project – a systematic approach for assessing model estimates of the cumulative land carbon sink,” Oral Presentation, 4th North American Carbon Program All Investigators Meeting, Albuquerque NM, February 2013.
20. *Woods, K., J. Langer, S. Plumb, M. Selig, E. Nielsen, D. Huntzinger, “The carbon dynamics of forest restoration in northern Arizona ponderosa pine forests,” Oral Presentation, 4th North American Carbon Program All Investigators Meeting, Albuquerque NM, February 2013.

2012

21. Huntzinger, D.N., C.R. Schwalm, A.M. Michalak, W.M. Post, K. Schaefer, A.R. Jacobson, Y. Wei, R.B. Cook, MsTMIP Participants, “Multi-Scale Synthesis and Terrestrial Model Intercomparison Project – A Systematic Approach for Evaluating Land-Atmosphere Flux Estimates,” Oral Presentation, Abstract B33H-08, American Geophysical Union Fall Meeting, San Francisco, CA, December 2012.

2011

22. Huntzinger, D.N., K. Schaefer, R. Cook, A. Jacobson, A. Michalak, W. Post, C. Schwalm, Y. Wei, “Multi-Scale Synthesis and Terrestrial Model Intercomparison Project (MsTMIP): 1: Overview and Simulation Protocol,” Poster Presentation, NASA Carbon Cycle & Ecosystems Joint Science Workshop, Alexandria VA, October 2011.
23. Huntzinger, D.N., W.M. Post, A.M. Michalak, Y. Wei, A. Jacobson, R. Cook, “North American Carbon Program (NACP) Interim Synthesis Project: Regional Forward Model Intercomparison,” Poster Presentation, 3rd North American Carbon Program All Investigators Meeting, New Orleans LA, February 2011.
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