

Daniel C. Nepstad
Executive Director & President
Earth Innovation Institute
98 Battery Street, Suite 250
San Francisco, CA, USA 94111
Email: dnepstad@earthinnovation.org

EDUCATION

1989 Ph.D., Forest Ecology, Yale University, New Haven, CT
1983 M.S., Plant Ecology/Botany, Michigan State University, East Lansing, MI
1979 B.A., Biology, Kalamazoo College, Kalamazoo, MI

PROFESSIONAL EXPERIENCE

2010-Present Executive Director, President and Senior Scientist, Earth Innovation Institute, San Francisco, CA
2010-Present Visiting Distinguished Scientist, Woods Hole Research Center, Woods Hole, MA
1999-2010 Senior Scientist, Woods Hole Research Center, Woods Hole, MA
2008-2009 Chief Program Officer in the Environmental Conservation Program, Gordon and Betty Moore Foundation, Palo Alto, CA
2000-2005 Lecturer, Yale University, School of Forestry and Environmental Studies, New Haven, CT
1995-2006 Visiting Professor, Universidade Federal do Pará, Belém, PA

RECENT BLOGS

2017 Solving tropical deforestation through pioneer pride. March 16, 2017. Earth Innovation Institute. <http://earthinnovation.org/2017/03/solving-tropical-deforestation-through-pioneer-pride/>
2017 Implementing a new approach to tropical deforestation. February 16, 2017. Earth Innovation Institute. <http://earthinnovation.org/2017/02/implementing-a-new-approach-to-tropical-deforestation/>
2016 Make the Earth Great Again. November 29, 2016. Earth Innovation Institute. <http://earthinnovation.org/2016/11/lets-not-squander-the-trump-crisis/>
2016 Deforestation is one of the greatest challenges facing humanity – here's one way to stop it. September 22, 2016. World Economic Forum. <https://www.weforum.org/agenda/2016/09/the-political-case-for-slowng-amazon-deforestation-in-brazil>
2016 How taming Amazon deforestation can win votes. September 22, 2016. Earth Innovation Institute. <http://earthinnovation.org/2016/09/6016/>
2016 California's Big Decision on Climate Change & Tropical Forests. June 15, 2016. Earth Innovation Institute. <http://earthinnovation.org/2016/06/californias-big-decision-on-climate-change-tropical-forests/>
2016 Can big companies stop tropical deforestation? April 11, 2016. Earth Innovation Institute. <http://earthinnovation.org/2016/04/can-big-companies-stop-tropical-deforestation/>
2015 Paris: Unifying Global Political Will. December 16, 2015. Earth Innovation Institute. <http://earthinnovation.org/2015/12/paris-unifying-global-political-will/>
2015 The New California Effect: Tropical Deforestation & the Under 2 MOU. December 8, 2015. Earth Innovation Institute. <http://earthinnovation.org/2015/12/the-new-california-effect-tropical-deforestation-the-under-2-mou/>
2015 Mato Grosso, Missing Carrots and Corporate Deforestation Pledges. November 30, 2015. Earth Innovation Institute. <http://earthinnovation.org/2015/11/mato-grosso-missing-carrots-and-corporate-deforestation-pledges/>
2015 Paris and the Climate Change Revolution. October 27, 2015. Earth Innovation Institute. <http://earthinnovation.org/2015/10/paris-and-the-climate-change-revolution-2/>

RELEVANT PUBLICATIONS

- 2017 Nepstad, D. C. et al. 2017. Jurisdictional Sustainability: Primer for Practitioners. San Francisco: Earth Innovation Institute.
- 2016 Nepstad, D. C. et al. 2017. Making Corporate Deforestation Pledges Work. San Francisco: Earth Innovation Institute.
- 2015 Nepstad, D. C., D. Tepper, D. McGrath, R. S. Da Motta, R. Edwards, B. Swette, and J. Shimada. 2015. Policy Brief: Research and Financial Innovations in Support of Brazil's INDC Process. San Francisco: Earth Innovation Institute.
- 2015 Balch, Jennifer K., P. M. Brando, D. C. Nepstad, M.T. Coe, D. Silvério, T. J. Massad, E. A. Davidson, P. Lefebvre, C. Oliveira-Santos, W. Rocha, R. T. S. Cury, A. Parsons, and K. S. Carvalho. 2015. The Susceptibility of Southeastern Amazon Forests to Fire: Insights from a Large-Scale Burn Experiment. *BioScience*, 65.9: 893-905.
- 2015 M. Scheffer, S. Barrett, S. R. Carpenter, C. Folke, A.J. Green, M. Holmgren, T.p. Hughes, S. Kosten, I. A. van de Leemput, D. C. Nepstad, E. H. van Nes, E. T. H. M. Peeters, B. Walker. 2015. Creating a Safe Operating Space for Iconic Ecosystems. *Science*, 347: 1317-1319.
- 2014 Nepstad, D. C., D. G. McGrath, C. Stickler, et al. 2014. Slowing Amazon deforestation through public policy and interventions in beef and soy supply chains. *Science*, 344(6188): 1118-1123.
- 2014 Brando, P.M., J. K. Balch, D. C. Nepstad, et al. 2014. Abrupt increases in Amazonian tree mortality due to drought-fire interactions. *Proceedings of the National Academy of Sciences of the United States of America*, 111: 6347-6352.
- 2013 Nepstad, D. C. Et al. 2013. Addressing Agricultural Drivers of Deforestation in Colombia: Increasing Land-Based Production While Reducing Deforestation, Forest Degradation, Greenhouse Gas Emissions and Rural Poverty. San Francisco: Earth Innovation Institute.
- 2013 Nepstad, D. C., S. Irawan, T. Bezerra, et al. 2013. More food, more forests, fewer emissions, better livelihoods: linking REDD+, sustainable supply chains and domestic policy in Brazil, Indonesia and Colombia. *Carbon Management*, 4(6): 639-658.
- 2013 Silverio, D. V., P. M. Brando, J.K. Balch, F. E. Putz, D. C. Nepstad, et al. 2013. Testing the Amazon savannization hypothesis: fire effects on invasion of a neotropical forest by native cerrado and exotic pasture grasses. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 368(1619): 20120417.
- 2013 Stickler, C. M., D. C. Nepstad, A. A. Azevedo, and D. G. McGrath. 2013. Defending public interests in private lands: compliance, costs and potential environmental consequences of the Brazilian Forest Code in Mato Grosso. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 368(1619): 20120160.
- 2013 Nepstad, D. C., W. Boyd, C. M. Stickler, et al. 2013. Responding to climate change and the global land crisis: REDD+, market transformation, and low emissions rural development. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 368(1619): 20120167.
- 2012 Nepstad, D. C., D. G. McGrath, and B. Soares. 2012. Systemic Conservation, REDD, and the Future of the Amazon Basin. *Conservation Biology*, 25(6): 1113-1116.
- 2012 Nepstad, D. C., W. Boyd, A. Azevedo, et al. 2012. *Overview of State-based Programs to Reduce Emissions from Deforestation and Degradation (REDD) as part of the Governors' Climate and Forest Task Force*. EPRI, Palo Alto, CA.
- 2012 Soares-Filho, B. R. Silvestrini, D. Nepstad, et al. 2012. Forest fragmentation, climate change and understory fire regimes on the Amazonian landscapes of the Xingu headwaters. *Landscape Ecology*, 27(4): 585-598.
- 2011 Balch, J. K., D. C. Nepstad, L. M. Curran, et al. 2011. Size, species, and fire behavior predict tree and liana mortality from experimental burns in the Brazilian Amazon. *Forest Ecology and Management*, 261(1): 68-77.

- 2011 Brando, P. M., S. J. Goetz, A. Baccini, D. C. Nepstad, et al. 2011. Seasonal and interannual variability of climate and vegetation indices across the Amazon. *Proceedings of the National Academy of Sciences of the United States of America*, 107(33): 14685-14690.
- 2011 Lewis, S. L., P. M. Brando, O. L. Phillips, G. M. F. van der Heijden, and D. Nepstad. 2011. The 2010 Amazon Drought. *Science*, 331(6017): 554-554.
- 2011 Nepstad, D. C. 2011. Recognizing and Managing the Tropical Agricultural Revolution in Latin America and the Caribbean. In *Technical Notes No. IDB-TN-235*: Inter-American Development Bank.
- 2011 Nepstad, D. C., D. G. McGrath, and B. Soares-Filho. 2011. Systemic Conservation, REDD, and the Future of the Amazon Basin. *Conservation Biology*, 25(6): 1113-1116.
- 2011 Silvestrini, R., B. Soares-Filho, D. Nepstad, et al. 2011. Simulating fire regimes in the Amazon in response to climate change and deforestation. *Ecological Applications*, 21(5):1573-1590.
- 2010 Soares-Filho, B., P. Moutinho, D. Nepstad, et al. 2010. Role of Brazilian Amazon protected areas in climate mitigation. *Proceedings of the National Academy of Science*, 107(24): 10821-10826. www.pnas.org/cgi/doi/10.1073/pnas.0913048107.
- 2010 Balch, J., D. Nepstad, P. Brando, and A. Alencar. 2010. Comment on “The Incidence of Amazon Fire with Implications for REDD”. *Science*, 330: 1627.
- 2009 Merry, F., B. Soares-Filho, D. Nepstad, et al. 2009. Balancing conservation and economic stability: the future of the Amazon timber industry. *Environmental Management*, 44(3): 395-407.
- 2009 Nepstad, D., B. Soares-Filho, F. Merry, et al. 2009. The end of deforestation in the Brazilian Amazon. *Science*, 326(5958): 1350-1351.
- 2009 Stickler, C. M., D. C. Nepstad, M. T. Coe, et al. 2009. The potential ecological costs and cobenefits of REDD: a critical review and case study from the Amazon region. *Global Change Biology*, 15(12): 2803–2824.
- 2008 Brando, P., D. Nepstad, D. Ray, et al. 2008. Drought effects on litterfall, stemwood production, and belowground carbon cycling in an Amazon forest: results of a throughfall reduction experiment. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 363(1498): 1839-1848.
- 2008 Balch, J., D. Nepstad, P. M. Brando, et al. 2008. Negative fire feedback in a transitional forest of southeastern Amazonia. *Global Change Biology*, 14(10): 1-12.
- 2008 Nepstad, D. C., C. M. Stickler, B. Soares-Filho, and F. Merry. 2008. Interactions among Amazon land use, forests and climate: prospects for a near-term forest tipping point. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 363(1498): 1737-1746.
- 2008 Nepstad, D. and C. Stickler. 2008. Managing the tropical agriculture revolution. *Journal of Sustainable Forestry*, 27(1-2): 43-56.
- 2007 Nepstad, D. C., O. Carvalho Jr., J. Carter, et al. 2007. Manejo e recuperação de mata ciliar nas regiões florestais da Amazônia. Belém, PA, Brazil: Instituto de Pesquisa Ambiental da Amazonia.
- 2007 Guillison, R. E., P. C. Frumhoff, J. G. Canadell, C. B. Fields, D. C. Nepstad, et al. 2007. Tropical forests and climate policy. *Science*, 316(5827): 985.
- 2006 Lima, E., F. Merry, D. Nepstad, et al. 2006. Searching for sustainability: forest policies, smallholders, and the Trans-Amazon highway. *Environment*, 48(1): 26-38.
- 2006 Nepstad, D., S. Schwartzman, B. Bamberger, et al. 2006. Inhibition of Amazon deforestation and fire by parks and indigenous reserves. *Conservation Biology*, 20(1): 65-73.
- 2006 Nepstad, D., C. Stickler, and O. Almeida. 2006. Globalization of the Amazon beef and soy industries: opportunities for conservation. *Conservation Biology*, 20(6): 1595-1603.
- 2006 Soares-Filho, B., D. Nepstad, L. Curran, et al. 2006. Modeling Amazon conservation. *Nature*, 440(7083): 520-523.
- 2005 Nepstad, D., C. Azevedo-Ramos, A. C. Barros, et al. 2005. Managing the Amazon timber industry. *Conservation Biology*, 18(2): 1-3.
- 2005 Santilli, M., P. Moutinho, S. Schwartzman, D. Nepstad, et al. 2005. Tropical deforestation and the Kyoto Protocol: an editorial essay. *Climate Change*, 71(3): 267-276.

2002 Nepstad, D., D. McGrath, A. C. Barros, et al. 2002. Frontier governance in Amazonia. *Science*, 295(5555): 629-631.

LEADERSHIP, RECOGNITIONS, AND ADVENTURES

2010-Present	Board of Directors, Forest Trends
2010-Present	Science and Technical Advisory Committee, Acre State Government REDD Program
2016	Chico Mendes Award
2010-2014	Lead Author, Working Group 2, Chapter 4 (Terrestrial and Inland Water Systems), Intergovernmental Panel on Climate Change (IPCC) AR5
2010-2014	External Advisory Group on Forests, World Bank
1995-2014	Founding President and Board Member, IPAM, Belém, Brazil
2011-2013	REDD Offset Working Group, California Air Resources Board
2013	Distinguished Achievement Award, Kalamazoo College
2010	Solidaridad Farmer Support Program Advisory Group
2007-2008	Criteria development group, Roundtable on Responsible Soy (RTRS)
2006-2007	Founding Board Member, Roundtable on Responsible Soy (RTRS)
2004	Co-Founder (2004) and Advisor, Aliança da Terra (Brazilian conservation NGO comprised of cattle ranchers and soy farmers)
1994-1997	Pew Scholar Award in Conservation and Environment

LANGUAGES

English	Native
Portuguese	Advanced
Spanish	Intermediate
Indonesian	Basic