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### **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

### **PUBLICATIONS**

#### **Blogs and Commentary**

- 2018 Hope for tropical forests in a hot, angry world. December 19, 2018. Earth Innovation Institute. <https://earthinnovation.org/2018/12/2018-hope-for-tropical-forests-in-a-hot-angry-world/>
- 2018 Tropical forest conservation in the Bolsonaro era (commentary). December 6, 2018. Mongabay. <https://news.mongabay.com/2018/12/tropical-forest-conservation-in-the-bolsonaro-era-commentary/>
- 2018 To conserve West Papua, start with land rights (commentary). October 5, 2018. Mongabay. <https://news.mongabay.com/2018/10/to-serve-west-papua-start-with-land-rights-commentary/>
- 2018 Aligning forces for tropical forests as a climate change solution (commentary). September 8, 2018. Mongabay. <https://news.mongabay.com/2018/09/aligning-forces-for-tropical-forests-as-a-climate-change-solution/>
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- 2018 California's big climate change opportunity: tropical forests (commentary). August 29, 2018. Mongabay. <https://news.mongabay.com/2018/08/californias-big-climate-change-opportunity-tropical-forests/>
- 2018 Winning farmer support to reduce deforestation (commentary). June 24, 2018. Mongabay. <https://news.mongabay.com/2018/06/winning-farmer-support-to-reduce-deforestation-commentary/>
- 2018 Ending Tropical Deforestation: The First Missing Piece. March 9, 2018. Earth Innovation Institute. <https://earthinnovation.org/2018/03/ending-tropical-deforestation-the-first-missing-piece/>
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- 2017 Earth Innovators Give Me Hope. December 15, 2017. Earth Innovation Institute. <https://earthinnovation.org/2017/12/earth-innovators-give-me-hope/>
- 2017 Hope in Bonn: tropical forests and governors. November 6, 2017. Earth Innovation Institute. <https://earthinnovation.org/2017/11/hope-in-bonn-tropical-forests-and-governors/>
- 2017 Solving Climate Change Despite Trump. June 19, 2017. Earth Innovation Institute. <https://earthinnovation.org/2017/06/solving-climate-change-despite-trump/>
- 2017 Solving tropical deforestation through pioneer pride. March 16, 2017. Earth Innovation Institute. <https://earthinnovation.org/2017/03/solving-tropical-deforestation-through-pioneer-pride/>
- 2017 Implementing a new approach to tropical deforestation. February 16, 2017. Earth Innovation Institute. <https://earthinnovation.org/2017/02/implementing-a-new-approach-to-tropical-deforestation/>
- 2016 Make The Earth Great Again. November 29, 2016. Earth Innovation Institute. <https://earthinnovation.org/2016/11/lets-not-squander-the-trump-crisis/>
- 2016 How taming Amazon deforestation can win votes. September 22, 2016. Earth Innovation Institute. <https://earthinnovation.org/2016/09/6016/>
- 2016 California's Big Decision on Climate Change & Tropical Forests. June 15, 2016. Earth Innovation Institute. <https://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. <https://earthinnovation.org/2016/04/can-big-companies-stop-tropical-deforestation/>
- 2016 Mato Grosso leading the fight against climate change and deforestation (commentary). March 10, 2016. Mongabay. <https://news.mongabay.com/2016/03/mato-grosso-leading-the-fight-against-climate-change-and-deforestation-commentary/>
- 2015 Paris: Unifying Global Political Will. December 16, 2015. Earth Innovation Institute. <https://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. <https://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. <https://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. <https://earthinnovation.org/2015/10/paris-and-the-climate-change-revolution-2/>
- 2014 Scientists rebut NYTimes op-ed 'To Save the Planet, Don't Plant Trees'. September 22, 2014. Mongabay. <https://news.mongabay.com/2014/09/scientists-rebut-nytimes-op-ed-to-save-the-planet-dont-plant-trees/>
- 2013 Why is Amazon deforestation climbing? November 17, 2013. Mongabay. <https://news.mongabay.com/2013/11/why-is-amazon-deforestation-climbing/>
- 2013 6 lessons for stopping deforestation on the frontier. April 9, 2013. Mongabay. <https://news.mongabay.com/2013/04/6-lessons-for-stopping-deforestation-on-the-frontier/>
- 2012 Commentary: Greenpeace report threatens climate change mitigation and tropical forests. September 25, 2012. Mongabay. <https://news.mongabay.com/2012/09/commentary-greenpeace-report-threatens-climate-change-mitigation-and-tropical-forests/>

#### **Peer Review Articles and Technical Reports**

- 2019 Anderson, C. M., R. S. DeFries, R. Litterman, P. A. Matson, D. C. Nepstad, S. Pacala, W. H. Schlesinger, M. R. Shaw, P. Smith, C. Weber, and C. B. Field. 2019. Maximize natural climate solutions – and de-carbonize the economy. *Science*, forthcoming.

- 2019 Nepstad, D. 2019. Case Study 6 Postponing the Amazon Tipping Point. In: T. E. Lovejoy and L. Hannah (Eds.), *Biodiversity and Climate Change: Transforming the Biosphere* (208-210). Yale University Press.
- 2019 Shimada, J. and D. Nepstad. 2019. Policy Brief: Beef in the Brazilian Amazon. *Leveraging Agricultural Value Chains to Enhance Tropical Tree Cover and Slow Deforestation (LEAVES)*. Washington DC: Program on Forests (PROFOR).
- 2019 Nepstad, D. and J. Shimada. 2019. Policy Brief: Soybeans in the Amazon and the Case of the Brazilian Soy Moratorium. *Leveraging Agricultural Value Chains to Enhance Tropical Tree Cover and Slow Deforestation (LEAVES)*. Washington DC: Program on Forests (PROFOR).
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- 2018 Stickler, C. M., A. E. Duchelle, J. P. Ardila, D. C. Nepstad, O. R. David, C. Chan, J. G. Rojas, R. Vargas, T. P. Bezerra, L. Pritchard, J. Simmonds, J. C. Durbin, G. Simonet, S. Peteru, M. Komalasari, M. L. DiGiano, M. W. Warren. 2018. The State of Jurisdictional Sustainability. San Francisco, USA: Earth Innovation Institute/Bogor, Indonesia: Center for International Forestry Research/Boulder, USA: Governors' Climate and Forests Task Force Secretariat.
- 2018 Nepstad, D., P. Lovett, S. Irawan, J. Watts, D. Pezo, E. Somarriba, J. Shimada, D. N. Cudjoe and E. C. M. Fernandes. 2018. Synthesis Report: Leveraging Agricultural Value Chains to Enhance Tropical Tree Cover and Slow Deforestation (LEAVES). Washington DC: Program on Forests (PROFOR).
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- 2016 DiGiano, M., C. Stickler, D. Nepstad, J. Ardila, M. Becerra, M. Benavides, S. Bernadinus, T. Bezerra, E. Castro, M. Cendales, C. Chan, A. Davis, S. Kandel, E. Mendoza, J. Montero, M. Osorio, J. Setiewan. 2016. Increasing REDD+ Benefits to Indigenous Peoples & Traditional Communities Through a Jurisdictional Approach. 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 Scheffer, M., 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.
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- 2014 Brando, P. M., J. K. Balch, D. C. Nepstad, D. C. Morton, F. E. Putz, M. T. Coe, D. Silverio, M. N. Macedo, E. A. Davidson, C. C. Nobrega, A. Alencar, and B. S. Soares-Filho. 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.
- 2014 Nepstad, D., et al. 2014. Scientists' Response to Dr. Nadine Unger's September 21, New York Times Op-Ed, "To Save the Planet, Don't Plant Trees."
- 2014 Nepstad, D. and G. Asner. 2014. Letter to the Editor. New York Times.

- 2014 Nepstad, D. C. and K. McCann. 2014. Forest, Farms and Finance: The Territorial Performance System. San Francisco: Earth Innovation Institute.
- 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 Nepstad, D., B Swette and J. Horowitz. 2014. Multiplying the Impact of AB-32 through International Partnerships for Tropical Forests. California Research Policy Brief. San Francisco: Earth Innovation Institute.
- 2014 Shimada, J. and D. C. Nepstad. 2014. Foz do Iguau Declaration: Multisectoral consensus on the pathway to zero net deforestation in the Brazilian Amazon. San Francisco: Earth Innovation Institute.
- 2014 Swette, B., J. Setiawan and D. Nepstad. 2014. What could the GCF contribute to Climate Change Mitigation by 2020. San Francisco: Earth Innovation Institute.
- 2013 Balch, J. K., T. J. Massad, P. M. Brando, D. C. Nepstad, and L. M. Curran. 2013. Effects of high-frequency understorey fires on woody plant regeneration in southeastern Amazonian forests. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 368.
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- 2013 Nepstad, D. C., W. Boyd, C. M. Stickler, T. Bezerra, and A. A. Azevedo. 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.
- 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.
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- 2012 Alencar, A., D. C. Nepstad, E. Mendonza, B. S. Soares-Filho, P. Moutinho, M. C. C. Stabile, S. Mazer, C. Pereira, A. Azevedo, C. Stickler, S. Souza, I. Castro, and O. Stella. 2012. *Acre State's Progress Towards Jurisdictional REDD+: Research, Analysis, and Recommendations for the State Carbon Incentive Program (ISA-Carbono)*. Brasília, DF: Instituto de Pesquisa Ambiental da Amazônia.
- 2012 Azevedo, A., D. C. Nepstad, T. Bezerra, M. C. C. Stabile, P. Moutinho, I. Castro, and L. L. 2012. *Mato Grosso - no Caminho do Desenvolvimento de Baixas Emissões: Custos e Benefícios da*

- Implementação do Sistema estadual de REDD+*. Brasília, DF: Instituto de Pesquisa Ambiental da Amazônia (IPAM).
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- 2012 Brando, P. M., D. C. Nepstad, J. K. Balch, B. Bolker, M. C. Christman, M. Coe, and F. E. Putz. 2012. Fire-induced tree mortality in a neotropical forest: the roles of bark traits, tree size, wood density and fire behavior. *Global Change Biology*, 18: 630-641.
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- 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.
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## **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