



Forest Carbon and Climate Program
Department of Forestry
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Safeguards for a Sustainable Forest Economy

References

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Produced for the Climate Smart Forest Economy Program in collaboration with
The Nature Conservancy and generously supported by Good Energies Foundation

References

- Albert, C., Aronson, J., Fürst, C., & Opdam, P. (2014). Integrating ecosystem services in landscape planning. Retrieved from <https://link.springer.com/article/10.1007/s10980-014-0085-0>
- Alonso, S., Herrera-Viedma, E., Chiclana, F., & Herrera, F. (2009). Individual and social strategies to deal with ignorance situations in multi-person decision making. *International Journal of Information Technology & Decision Making*, 8(02), pp.313-333.
- Amaral, L., & Lloyd, J. (2019). A New Tool Can Help Root Out Deforestation from Complex Supply Chains. Retrieved from <https://www.wri.org/insights/new-tool-can-help-root-out-deforestation-complex-supply-chains>
- Bergman, R., Puettmann, M., Taylor, A., & Skog, K.E. (2014). The carbon impacts of wood products. *Forest Prod. J.* 64(7-8):220-231.
- Blackman, A., Raimondi, A., & Cabbage, F. (2017). Does forest certification in developing countries have environmental benefits? Insights from Mexican corrective action requests. *International Forestry Review*, 19(3), pp.247-264.
- Brand, D., Bullen, M., & Kuppalli, R. (2020). Sustainable Landscape Investment: A Framework for Governance of Institutional Investment in the Forestry Sector. In W. Nikolakis & J. Innes (Eds.), *The Wicked Problem of Forest Policy: A Multidisciplinary Approach to Sustainability in Forest Landscapes* (pp. 328-353). Cambridge: Cambridge University Press. doi:10.1017/9781108684439.012
- Bugalski, N.E. (2016). The Demise of Accountability at the World Bank? *American University International Law Review*, 31(1), pp.1-56.
- Cerutti, P.O., Lescuyer, G., Tsanga, R., Kassa, S.N., Mapangou, P.R., Mendoula, E.E., Missamba-Lola, A.P., Nasi, R., Ekebil, P.P.T., & Yembe, R.Y. (2014). Social impacts of the Forest Stewardship Council certification: An assessment in the Congo basin. Occasional Paper 103. CIFOR, Bogor, Indonesia.
- Chan, M. and Pound B. (2009). Literature review of sustainability standards and their poverty impact. London: DFID.
- Churkina, G., Organschi, A., Reyer, C. P. O., Ruff, A., Vinke, K., Liu, Z., Reck, B. K., Graedel, T. E., & Schellnhuber, H. J. (2020). Buildings as a global carbon sink. *Nature Sustainability*, 3(4), 269-276. <https://doi.org/10.1038/s41893-019-0462-4>
- Clay K, Cooper L. (2022). Safeguarding against Harm in a Climate-Smart Forest Economy: Definitions, Challenges, and Solutions. *Sustainability*. 14(7):4209. <https://doi.org/10.3390/su14074209>
- Climate Action Tracker. (n.d). Home. Retrieved from <https://climateactiontracker.org>
- Cooper, L., & Huff, E. (2018). Foreign investments in the forestry sector as a means of increasing community resilience: two case studies in Mexico. In *International Forestry Review*. 20 (4).
- Cooper, L., et al. (2021). Summary Report: Scoping Dialogue on Potential Climate Benefits, Challenges and Risks Related to Scaling up Mass Timber Construction Practices. The Forests Dialogue, Yale University.
- Coops, N.C., Shang, C., Wulder, M.A., White, J.C. and Hermosilla, T. (2020). Change in forest condition: Characterizing non-stand replacing disturbances using time series satellite imagery. *Forest Ecology and Management*, 474, p.118370.



- COP26. (2021). Forests, Agriculture and Commodity Trade: A Roadmap for Action. Joint statement: a shared path forward. UNFCCC Conference of the Parties. <https://ukcop26.org/forests-agriculture-and-commodity-trade-a-roadmap-for-action/>
- COP26. (2021). Glasgow Leaders' Declaration on Forests and Land Use. UNFCCC Conference of the Parties. Glasgow, Scotland. <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>
- COP26a. (2021). Glasgow Leaders' Declaration on Forests and Land Use. Retrieved from <https://ukcop26.org/glasgow-leaders-declaration-on-forests-and-land-use/>
- COP26b. (2021). Forests, Agriculture, and Commodity Trade. Retrieved from <https://ukcop26.org/forests-agriculture-and-commodity-trade-a-roadmap-for-action/>
- Curtis, Philip G., et al. (2018). Classifying Drivers of Global Forest Loss. *Science* 14 (September). 1108-1111. <https://doi.org/10.1126/science.aau3445>
- de Sy, M., Herold, C., Martius, H., Böttcher, S., Fritz, D.L.A., Gaveau, S., Leonard, E., Romijn, & R.M. Román-Cuesta. (2016). Enhancing transparency in the land-use sector: Exploring the role of independent monitoring approaches. In *Enhancing transparency in the land-use sector: Exploring the role of independent monitoring approaches*. Center for International Forestry Research (CIFOR). <https://doi.org/10.17528/cifor/006256>
- Dunlop, T., & Corbera, E. (2016). Incentivizing REDD+: How developing countries are laying the groundwork for benefit-sharing. *Environmental Science & Policy*, 63, 44-54. <https://doi.org/10.1016/J.ENVSCI.2016.04.018>
- Endangered Species Act [ESA]. (1973). Retrieved from <https://www.nwf.org/Educational-Resources/Wildlife-Guide/Understanding-Conservation/Endangered-Species>
- Food and Agriculture Organization [FAO] and United Nations Environment Programme [UNEP]. (2020). The State of the World's Forests 2020. *Forests, biodiversity and people*. <https://doi.org/10.4060/ca8642en>
- Food and Agriculture Organization [FAO]. (2014). State of the World's Forests 2014. Rome. [also available at <http://www.fao.org/3/a-i3710e.pdf>].
- Food and Agriculture Organization [FAO]. (2015). Environmental and Social Management Guidelines. Retrieved from <https://www.fao.org/documents/card/en/c/127e4e07-030b-45df-b848-71813591857c/>
- Food and Agriculture Organization of the United Nations [FAO]. (n.d.) Sustainable Forest Management (SFM) Toolbox. Retrieved from <https://www.fao.org/sustainable-forest-management/toolbox/modules/forest-governance/basic-knowledge/en/>
- Forest Stewardship Council [FSC]. (n.d). Home. Retrieved from <https://fsc.org/en>
- Forest Trends. (n.d) The Mitigation Hierarchy. Retrieved from <https://www.forest-trends.org/bbop/bbop-key-concepts/mitigation-hierarchy/>
- Forest Trends. (n.d). ILAT Risk. Retrieved from <https://www.forest-trends.org/fptf-ilat-home/>
- Global Forest Watch. (n.d). Home. Retrieved from <https://www.globalforestwatch.org>
- Global Open Data Index. (2016). Retrieved from <https://index.okfn.org/download/>
- Gold Standard. (2019). Safeguarding Principles & Requirements. Retrieved from <https://globalgoals.goldstandard.org/103-par-safeguarding-principles-requirements/>



- Graham, V., Geldmann, J., Adams, V.M., Grech, A., Deinet, S. and Chang, H.C. (2021). Management resourcing and government transparency are key drivers of biodiversity outcomes in Southeast Asian protected areas. *Biological Conservation*, 253, p.108875.
- Greenpeace International (2018, March 26). *Greenpeace International to not renew FSC membership*. <https://www.greenpeace.org/international/press-release/15589/greenpeace-international-to-not-renew-fsc-membership/>
- Greenpeace International (2021). Destruction: certified. Retrieved from <https://www.greenpeace.org/international/publication/46812/destruction-certified/>
- Gunderson, L. H. (2000). Ecological Resilience--In Theory and Application. *Annual Review of Ecology and Systematics*, 31, 425–439. <http://www.jstor.org/stable/221739>
- Hansen/UMD/Google/USGS/NANA accessed through Global Forest Watch. (2020). Retrieved from <https://data.globalforestwatch.org/documents/14228e6347c44f5691572169e9e107ad/explore>
- International Fund for Agricultural Development [IFAD] & United Nations Environment Programme [UNEP]. (2013). Smallholders, food security, and the environment.
- International Labour Organization [ILO]. (n.d.) Working conditions. Retrieved from <https://www.ilo.org/global/topics/working-conditions/lang--en/index.htm>
- International Organization for Standardization [ISO]. (n.d.) ISO Guide 73:2009 Risk Management—Vocabulary. 2009.
- International Union for Conservation of Nature [IUCN]. (2021). IUCN Red List Map. Retrieved from <https://www.iucnredlist.org/search/map>
- International Union for Conservation of Nature [IUCN]. (n.d). Spatial Data Download. Retrieved from <https://www.iucnredlist.org/resources/spatial-data-download>
- Lawson, S., & MacFual, L. (2010). Illegal Logging and Related Trade : Measuring the Global Response. Analysis, 1 November, 1-132.
- Lewis, S. L., Wheeler, C. E., Mitchard, E., & Koch, A. (2019). Restoring natural forests is the best way to remove atmospheric carbon. *Nature*, 568(7750), 25–28. <https://doi.org/10.1038/d41586-019-01026-8>
- Mallet, P., D'Hollander, D., Oswald, K., Fishman, A., & Gamble, L. (2019). Credible Assurance at a Landscape Scale: A discussion paper on landscape and jurisdictional assurance and claims. 1-14. https://www.isealalliance.org/sites/default/files/resource/2019-03/Credible-Landscape-Assurance-Discussion-Paper_WWF_ISEAL_03_2019_0.pdf
- Manzoor Rashid, A. Z., Craig, D. G., & Kahn, N. A. (2015). Selected dynamics of collaborative protected area management in the Global North and South: Experiences from Australia and Nepal. *International Journal of Research on Land-Use Sustainability*, 113-124.
- Markowski, Adam S., Sam Mannan, M. (2008). Fuzzy risk matrix. *Journal of Hazardous Materials* 159, 152-157.
- Merger, E., Dutschke, M., Verchot, L. (2011). Options for REDD+ Voluntary Certification to Ensure Net GHG Benefits, Poverty Alleviation, Sustainable Management of Forests and Biodiversity Conservation. *Forests* 2 (2): 550-577. <https://doi.org/10.3390/f2020550>
- Miner, R. (2010). Impact of the global forest industry on atmospheric greenhouse gases. <https://www.fao.org/3/i1580e/i1580e.pdf>



- Molinario, G., Hansen, M., Potapov, P., Tyukavina, A. and Stehman, S. (2020). Contextualizing landscape-scale forest cover loss in the Democratic Republic of Congo (DRC) between 2000 and 2015. *Land*, 9(1), p.23.
- Moore, S.E., Cabbage, F. and Eicheldinger, C. (2012). Impacts of forest stewardship council (FSC) and sustainable forestry initiative (SFI) forest certification in North America. *Journal of Forestry*, 110(2), pp.79-88.
- Nepal, P., Johnston, C. and I. Ganguly (*forthcoming*). Effects on global forests and wood product markets of increased demand for mass timber
- Nepal, P.; Skog, K.E.; McKeever, D.; Bergman, R.D.; Abt, K.L.; Abt, R.C. (2016). Carbon mitigation impacts of increased softwood lumber and structural panel use for nonresidential construction in the United States. *For. Prod. J.*, 66, 77-87, doi:<https://doi.org/10.13073/FPJ-D-15-00019>.
- Ni, H., Chen, A., & Chen, N. (2010). Some extensions on risk matrix approach. In *Safety Science* (Vol. 48, Issue 10, pp. 1269-1278). Elsevier BV. <https://doi.org/10.1016/j.ssci.2010.04.005>
- Nielsen, T. D. (2016). From REDD+ forests to green landscapes? Analyzing the emerging integrated landscape approach discourse in the UNFCCC. *Forest Policy and Economics*, 73, 177-184.
- Open Letter: FSC is no longer fit for purpose and must urgently reform.* (2021, October 25). Earthsight. <https://www.earthsight.org.uk/news/blog-open-letter-fsc-no-longer-fit-for-purpose-and-must-urgently-reform>
- Potoski, M. and Prakash, A. (2005). Green clubs and voluntary governance: ISO 14001 and firms' regulatory compliance. *American journal of political science*, 49(2), pp.235-248.
- Prindex. (2020). Prindex Comparative Report. <https://www.prindex.net/documents/604/PRINDEX-Comparative-2020-28July.pdf>
- Programme for the Endorsement of Forest Certification [PEFC]. (n.d). Home. Retrieved from <https://www.pefc.org>
- Sathre, R. and J. O'Connor. (2010). Meta-analysis of greenhouse gas displacement factors of wood product substitution. *Environ. Sci. Policy* 13:104-114.
- Simula, M., Astana, S., Ishmael, R., Eliezer, J., Santana, J.E., Schmidt, M.L. (2004). Report on financial cost-benefit analysis of forest certification and implementation of phased approaches. Yokohama, Japan: International Tropical Timber Organization.
- Sit, S. (2017). U.S. Retailers Halt PNG Wood Imports over Logging Claims. *Supply Management*, August 2. <https://www.cips.org/supply-management/news/2017/august/us-firms-halt-png-imports-over-logging-claims/>.
- Slough, T., Kopas, J. and Urpelainen, J. (2021). Satellite-based deforestation alerts with training and incentives for patrolling facilitate community monitoring in the Peruvian Amazon. *Proceedings of the National Academy of Sciences*, 118(29).
- Smyth, C., Rampley, G., Lemprière, T. C., Schwab, O., & Kurz, W. A. (2017). Estimating product and energy substitution benefits in national-scale mitigation analyses for Canada. *GCB Bioenergy*, 9(6), 1071-1084. <https://doi.org/10.1111/gcbb.12389>
- The Economist. (2021). Global Food Security Index (GFSI). <https://impact.economist.com/sustainability/project/food-security-index/Country>
- The Nature Conservancy. (2018). Strong Voices, Active Choices. Retrieved from <https://www.nature.org/en-us/what-we-do/our-insights/perspectives/strong-voices-active-choices/>



- The United Nations Educational, Scientific and Cultural Organization [UNESCO]. (n.d) Heritage. Retrieved from https://en.unesco.org/creativity/sites/creativity/files/cdis/heritage_dimension.pdf
- Thomas, C. D., Cameron, A., Green, R. E., Bakkenes, M., Beaumont, L. J., Collingham, Y. C., Erasmus, B. F. N., De Siqueira, M. F., Grainger, A., Hannah, L., Hughes, L., Huntley, B., Van Jaarsveld, A. S., Midgley, G. F., Miles, L., Ortega-Huerta, M. A., Townsend Peterson, A., Phillips, O. L., & Williams, S. E. (2004). Extinction risk from climate change. *Nature*, 427(6970), 145-148. <https://doi.org/10.1038/nature02121>
- Thompson, I., Mackey, B., McNulty, S., & Mosseler, A. (2009). Forest resilience, biodiversity, and climate change. In Secretariat of the Convention on Biological Diversity, Montreal. Technical Series no. 43. 1-67. (Vol. 43, pp. 1-67).
- Tiba, Z., & Prakash, A. (2011). Targeting the most vulnerable: implementing social safety nets. In: Safeguarding food security in volatile global markets. A. Prakash (Ed.). Rome: Food and Agriculture Organization of the United Nations.
- Transparency International. (2020). Corruption Perceptions Index. Retrieved from <https://www.transparency.org/en/cpi/2020/index/>
- U.S. Department of Defense [DoD]. (2014). Department of Defense Risk Management Guide for Defense Acquisition Programs. Retrieved from <https://acqnotes.com/wp-content/uploads/2014/09/DoD-Risk-Mgt-Guide-v7-interim-Dec2014.pdf>
- United Nations [UN]. (2018). United Nations Forest Instrument. Retrieved from https://www.un.org/esa/forests/wp-content/uploads/2018/08/UN_Forest_Instrument.pdf
- United Nations Climate Change Conference UK 2021. (2021, November 18). *Forests, Agriculture and Commodity Trade. A roadmap for Action. Joint statement: a shared path forward*. <https://ukcop26.org/forests-agriculture-and-commodity-trade-a-roadmap-for-action/>
- United Nations Committee on World Food Security. (2012). Global Strategic Framework for Food Security and Nutrition. Retrieved from <https://www.fao.org/3/ME498E/ME498E.pdf>
- United Nations Economic Commission for Europe [UNECE]. (2007). Criteria and Indicators for the Conservation and Sustainable Management of Temperate and Boreal Forests. Retrieved from https://unece.org/fileadmin/DAM/timber/meetings/4.1_MP_C_nad_1_revised.pdf
- United Nations Environment Programme [UNEP]; International Energy Agency [IEA]. (2018). *Towards a zero-emission, efficient, and resilient buildings and construction sector: Global Status Report 2018*.; 2018. <https://wedocs.unep.org/20.500.11822/27140>
- United Nations Environment Programme [UNEP]. (n.d.) *2020 global status report for buildings and construction: Towards a zero-emissions, efficient and resilient buildings and construction sector*.; Nairobi.
- United Nations Environment Programme's Law and Environment Assistance Platform [UNEP-LEAP]; LEAP. (n.d). Habitat. Retrieved from <https://leap.unep.org/knowledge/glossary/habitat>
- United Nations Framework Convention on Climate Change [UNFCCC]. (n.d). Conference of the Parties (COP). Retrieved from <https://unfccc.int/process/bodies/supreme-bodies/conference-of-the-parties-cop>
- United Nations Framework Convention on Climate Change [UNFCCC]. (n.d). What do adaptation to climate change and climate resilience mean? Retrieved from



- <https://unfccc.int/topics/adaptation-and-resilience/the-big-picture/what-do-adaptation-to-climate-change-and-climate-resilience-mean>
- United Nations Habitat. (2018). Secure Tenure Rights to Land. Retrieved from https://unhabitat.org/sites/default/files/2020/07/indicator_1.4.2_training_module_secure_tenure_rights_to_land.pdf
- United Nations Human Rights Office of the High Commissioner [UHCHR]. (n.d). Welcome to the Universal Human Rights Index (UHRI). Retrieved from <https://uhri.ohchr.org/en/>
- United Nations Sustainable Development Goals. (2015). Transforming our world: The 2030 agenda for sustainable development. United Nations. sustainabledevelopment.un.org
- United Nations. (2014) Inter-agency Support Group on Indigenous Peoples' Issues. Retrieved from https://www.un.org/en/ga/69/meetings/indigenous/pdf/IASG%20Thematic%20Paper_Participation%20-%20rev1.pdf
- United Nations. (n.d). Human Rights. Retrieved from <https://www.un.org/en/global-issues/human-rights>
- Verra. (2019). Sustainable Development Verified Impact Standard. Retrieved from <https://verra.org/wp-content/uploads/2019/01/Sustainable-Development-Verified-Impact-Standard-v1.0.pdf>
- Verra. (n.d). The CCB Program. Retrieved from <https://verra.org/project/ccb-program/>
- Wang, S. (2004). One hundred faces of sustainable forest management. *Forest Policy and economics*, 6(3-4), pp.205-213.
- World Bank. (2018). Grievance Redress Mechanisms. Open Knowledge Repository. Retrieved from <https://openknowledge.worldbank.org/handle/10986/29483>
- World Health Organization [WHO]. (2012). Retrieved from https://www.hsl.gov.uk/media/202146/5_kim_who.pdf
- World Wildlife Fund; AFi. (n.d). Terms and Definitions. Retrieved from <https://accountability-framework.org/wp-content/uploads/2019/07/Definitions.pdf>
- Zhu, Q., Kuang, X., Shen, Y., (2003). Risk Matrix Method and Its Application in the Field of Technical Project Risk Management. *Engineering Science* 5 (1), 89-94 (in Chinese). Retrieved from <https://www.engineering.org.cn/en/journal/SSCAE/archive?volumeld=485>

