

- Intemann, K., Farina, M., Megowan, A., & Rashed, A. (2026). Challenges to Ethical Assessments of Prescribed Fire Policies. *Ethics, Policy & Environment*, 1-19.
- Farina, M., Christian, W., Hasson, N., ... & Watts, J. (2025). Methane emission hotspots in a boreal forest-fen mosaic potentially linked to deep taliks. *Environmental Research Letters*, 20(10), 104029.
- Watts, J., Farina, M., Kimball, J. S., ... & Oechel, W. C. (2023). Carbon uptake in Eurasian boreal forests dominates the high-latitude net ecosystem carbon budget. *Global Change Biology*, 29(7), 1870-1889.
- Zona, D., Lafleur, P., Hufkens, K., Bailey, B., Gioli, B., Burba, G., Goodrich, J., Liljedahl, A., Euskirchen, E., Watts, J., Farina, M., ... & Oechel, W. C. (2022). Earlier snowmelt may lead to late season declines in plant productivity and carbon sequestration in Arctic tundra ecosystems. *Nature Scientific Reports*, 12(1), 3986.
- Wang, J. A., Baccini, A., Farina, M., Randerson, J., & Friedl, M. A. (2021). Disturbance suppresses the aboveground carbon sink in North American boreal forests. *Nature Climate Change*, 11(5), 435-441.
- Harris, N., Gibbs, D., Baccini, A., Birdsey, R., De Bruin, S., Farina, M., ... & Tyukavina, A. (2021). Global maps of twenty-first century forest carbon fluxes. *Nature Climate Change*, 11(3), 234-240.
- Walker, W., Gorelik, S., Baccini, A., Aragon-Osejo, J., Josse, C., Meyer, C., Macedo, M., Augusto, C., Rios, S., Katan, T., de Souza, A., Cuellar, S., Llanos, A., Zager, I., Mirabal, G., Solvik, K., Farina, M., ... & Schwartzman, S. (2020). The role of forest conversion, degradation, and disturbance in the carbon dynamics of Amazon indigenous territories and protected areas. *Proceedings of the National Academy of Sciences*, 117(6), 3015-3025.
- Chapman, M., Walker, W. S., Cook-Patton, S. C., Ellis, P. W., Farina, M., Griscom, B. W., & Baccini, A. (2020). Large climate mitigation potential from adding trees to agricultural lands. *Global Change Biology*, 26(8), 4357-4365.
- Du, J., Watts, J., Jiang, L., Lu, H., Cheng, X., Duguay, C., Farina, M., ... & Tarolli, P. (2019). Remote sensing of environmental changes in cold regions: Methods, achievements and challenges. *Remote Sensing*, 11(16), 1952.
- Baccini, A., Walker, W., Carvalho, L., Farina, M., ... & Houghton, R. (2017). Tropical forests are a net carbon source based on aboveground measurements of gain and loss. *Science*, 358(6360), 230-234.
- Zarin, D., Harris, N., Baccini, A., Aksenov, D., Hansen, M., Azevedo-Ramos, C., Azevedo, T., Margono, B., Alencar, A., Gabris, C., Allegrretti, A., Potapov, P., Farina, M., ... & Tyukavina, A. (2016). Can carbon emissions from tropical deforestation drop by 50% in 5 years?. *Global Change Biology*, 22(4), 1336-1347.

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