

Stanford



Paul Furumo

Postdoctoral Scholar, Earth System Science

Bio

BIO

Paul R. Furumo is an interdisciplinary environmental scientist focused on sustainable land use in the tropics. His current research seeks to scale up zero-deforestation commodity production through improved governance solutions at the interface between public and private sectors. His research integrates remotely sensed data, policy analysis, and expert interviews to understand how policymaking influences land use decisions. A major goal is to enhance the temporal and spatial targeting of instruments to unlock policy synergies that advance climate and development targets.

His past and current research experiences have focused on coupled human-natural systems in Latin America, with a specialization in the Colombian palm oil sector. In Colombia, Paul has pursued his research as a Fulbright fellow and a National Geographic Explorer. His work engages a broad coalition of stakeholders including governments, businesses, civil society, and underrepresented communities. He has brought his science to these stakeholder groups through fieldwork, education and outreach in industry fora, co-development of research, and mentoring of Latin American students.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Puerto Rico Rio Piedras (2018)
- Bachelor of Science, University of Hawaii Manoa (2011)

Publications

PUBLICATIONS

- **Policy sequencing to reduce tropical deforestation** *GLOBAL SUSTAINABILITY*
Furumo, P. R., Lambin, E. F.
2021; 4
- **The environmental impacts of palm oil in context.** *Nature plants*
Meijaard, E., Brooks, T. M., Carlson, K. M., Slade, E. M., Garcia-Ulloa, J., Gaveau, D. L., Lee, J. S., Santika, T., Juffe-Bignoli, D., Struebig, M. J., Wich, S. A., Ancrenaz, M., Koh, et al
2020; 6 (12): 1418–26
- **Scaling up zero-deforestation initiatives through public-private partnerships: A look inside post-conflict Colombia** *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*
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- **Understanding How Smallholders Integrated into Pericoupled and Telecoupled Systems** *SUSTAINABILITY*
Dou, Y., Bicudo da Silva, R., McCord, P., Zaehring, J. G., Yang, H., Furumo, P. R., Zhang, J., Cristobal Pizarro, J., Liu, J.
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- **Field evidence for positive certification outcomes on oil palm smallholder management practices in Colombia** *JOURNAL OF CLEANER PRODUCTION*
Furumo, P. R., Rueda, X., Sebastian Rodriguez, J., Ramos, I.
2020; 245
- **Improve Long-Term Biodiversity Management and Monitoring on Certified Oil Palm Plantations in Colombia by Centralizing Efforts at the Sector Level** *FRONTIERS IN FORESTS AND GLOBAL CHANGE*
Furumo, P. R., Barrera-Gonzalez, E. I., Espinosa, J. C., Gomez-Zuluaga, G. A., Mitchell Aide, T.
2019; 2
- **Using soundscapes to assess biodiversity in Neotropical oil palm landscapes** *LANDSCAPE ECOLOGY*
Furumo, P. R., Aide, T.
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- **Telecoupling Research: The First Five Years** *SUSTAINABILITY*
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2019; 11 (4)
- **Toward Rigorous Telecoupling Causal Attribution: A Systematic Review and Typology** *SUSTAINABILITY*
Carlson, A. K., Zaehring, J. G., Garrett, R. D., Bicudo Silva, R., Furumo, P. R., Raya Rey, A. N., Torres, A., Chung, M., Li, Y., Liu, J.
2018; 10 (12)
- **Characterizing commercial oil palm expansion in Latin America: land use change and trade** *ENVIRONMENTAL RESEARCH LETTERS*
Richard Furumo, P., Mitchell Aide, T.
2017; 12 (2)