



Alison Hoyt

Assistant Professor of Earth System Science and Center Fellow, by courtesy, at the Woods Institute for the Environment

Bio

BIO

Alison Hoyt is an Assistant Professor of Earth System Science at Stanford. Her work focuses on understanding how biogeochemical cycles respond to human impacts, with a particular focus on the most vulnerable and least understood carbon stocks in the tropics and the Arctic. For more information, please visit her group website here: <https://carboncycle.stanford.edu/>

ACADEMIC APPOINTMENTS

- Assistant Professor, Earth System Science
- Center Fellow (By courtesy), Stanford Woods Institute for the Environment
- Member, Bio-X

Teaching

COURSES

2023-24

- Climate Change: An Earth Systems Perspective: ESS 305 (Aut)
- Mitigating Climate Change through Soil Management: EARTHSYS 233, ESS 233 (Spr)

2022-23

- Climate Change: An Earth Systems Perspective: ESS 305 (Aut)
- Mitigating Climate Change through Soil Management: EARTHSYS 233, ESS 233 (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Jennifer Bowen, Newton Nguyen, Clarice Perryman

Doctoral (Program)

Jack Lamb, Julie Shahan

Publications

PUBLICATIONS

- **Drainage Canals in Southeast Asian Peatlands Increase Carbon Emissions** *AGU Advances*
Dadap, N. C., Hoyt, A. M., Cobb, A. R., Oner, D., Kozinski, M., Fua, P. V., Rao, K., Harvey, C. F., Konings, A. G.

2021; 2 (1): 1-14

- **The landscape of soil carbon data: emerging questions, synergies and databases** *Progress in Physical Geography*

Malhotra, A., Todd-Brown, K., Nave, L. E., Batjes, N. H., Holmquist, J. R., Hoyt, A. M., Iversen, C. M., Jackson, R. B., Lajtha, K., Lawrence, C., Vindušková, O., Wieder, W., Williams, et al

2019

- **Satellite soil moisture observatins predict burned area in Southeast Asian peatlands** *ENVIRONMENTAL RESEARCH LETTERS*

Dadap, N. C., Cobb, A. R., Hoyt, A. M., Harvey, C. F., Konings, A. G.

2019; 14