

TROPILUNCH

'Challenges and solutions for Integrated fire management in Brazil'

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BIO

Dr. Ane Alencar is Director of Science at IPAM and currently a Bacardi Eminent Fellow at the University of Florida. She holds a degree in Geography from UFPA, a master's in Remote Sensing and GIS from Boston University, and a PhD in Forest Resources and Conservation from the University of Florida. For nearly three decades, she has worked on fire dynamics, deforestation, and forest degradation in the Amazon and Cerrado biomes and their links to climate change. Ane coordinates social technologies for socio-environmental management, is part of the MapBiomass network coordination (Cerrado and Fire Monitoring), and is a member of the Amazon Scientific Panel. Her recognitions include being named a global female leader in fire science (2018), a Fulbright Amazonia Fellow, and one of the world's leading women in Machine Learning and Earth Observation by the Radiant Earth Foundation.

SUMMARY

Uncontrolled burns and wildfires are becoming an increasing problem in Brazil, especially under climate change and more frequent extreme events. Using MapBiomass Fire data, we highlight the historical evolution of fire and recent shifts in fire regimes across Brazilian biomes, revealing the combined effects of climate pressures and land-use change. In this context, implementing Integrated Fire Management (IFM) faces key policy challenges, including persistent deforestation, institutional fragmentation, limited coordination across government levels, and unstable financing. At the same time, the recent approval of Brazil's IFM framework creates a strategic opportunity to move from reactive responses to preventive, integrated approaches. Strengthening governance, integrating scientific and traditional knowledge, expanding monitoring systems, and aligning IFM with climate and land-use policies are essential to consolidate fire governance as a central pillar of Brazil's climate and territorial agenda.



Tuesday - February 03, 2026

12:45 - 1:45 pm



Grinter Hall 376 or

[Zoom link](#)

Tropilunch is a seminar run by graduate students from the Tropical Conservation and Development (TCD) Program. It provides a forum for a range of discussions and presentations related to TCD work and research. Special guests, visiting scholars, and practitioners also participate. It happens weekly around lunchtime.



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