28th FEFCO

Forest Ecosystem Function Colloquium (FEFCO) は、地域や地球全体のレベルで森林生態系の機能とその持続的活用法を統合的に理解することを目的とし、研究者間の学術交流を推進します。

第28回森林生態系機能コロキウムは、ジョージ・ワシントン大学のAmy Zanne博士にご講演いただきます。どなたでも参加できますので、多くの皆様のご参加をお待ちしております。京都大学農学研究科熱帯環境学研究室がホストを務めます。

28th FEFCO
2016/1/22 16:30 - 18:00
Faculty of Agriculture Main Building, S174

Dr. Amy Zanne,
(Associate Professor, Department of Biological Sciences, George Washington University)

A deteriorating state of affairs: Tales of wood rot from around the world

Woody plants are the largest aboveground terrestrial biotic store of C. Once trees die, this carbon is eventually released back to the atmosphere as greenhouse gases such as CO2 and CH4. To date, the slow turnover carbon pool in deadwood is poorly understood from field studies and poorly parameterized in global models. Carbon however is lost from deadwood via several pathways. Fungi are the main decay agent around the world but insects, especially termites, become relevant in many tropical locations. In today's talk, I will present on several field projects I have been working on from tropical and temperate locations around the world. In this work, I have been linking how the location where rot happens and the physical and chemical construction of wood influences the rates and forms that carbon is released back to the atmosphere. Additionally, I have been examining interactions between these plant construction traits and the different decay agents.

Forest Ecosystem Function Colloquium
京都大学・森林生態系機能コロキウム