

30th 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30回森林生態系機能コロキウムは、エストニア・タリン大学の杉田先生とノルウェー・ベルゲン大学のHjelle先生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森林利用学研究室がホストを務めます。

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2016/2/24 16:00 - 17:30

Faculty of Agriculture Main Building, S174
Shinya Sugita (Tallinn University, Estonia)
Kari Hjelle (University of Bergen, Norway)

Impacts of anthropogenic and natural disturbances on vegetation in northern Europe: a new quantitative approach in palaeoecology

Long-term regime changes in natural and anthropogenic disturbances have affected vegetation and land-cover dynamics in Europe, Asia and elsewhere in the late Holocene. This talk summarizes a recent development in European palaeoecology, emphasizing the importance of quantitative reconstruction of human impacts on the past vegetation and implications for plant ecology, archaeology and nature conservations in northwestern Europe. The first part of the talk by Sugita briefly describes a framework of quantitative reconstruction of vegetation using fossil pollen (Landscape Reconstruction Algorithm - LRA) and its applications in western Europe. The second part by Hjelle summarizes small-scale spatial and temporal vegetation patterns caused by human activity by examples from Norway and the potential of applying LRA to understand relationships between people and nature through time.