

# 55th 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55回森林生態系機能コロキウムは、京都大学芦生研究林林長石原正恵准教授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。京都大学フィールド科学研究センターがホストを務めます。

55th FEFCO  
2021/6/10 15:00 - 16:30

Faculty of Agriculture Main Building, S174  
via zoom (for registration, please fill out following form  
<https://forms.gle/Lg8g69grznSv8mTv7>)



Assoc. Prof. Masae Ishihara  
(Field Science Education and Research Center, Kyoto University)

**Interdisciplinary and transdisciplinary approach to protect and restore degraded forest ecosystems from deer overgrazing**

Deer overgrazing of understory vegetation has caused loss of biodiversity and degradation of ecosystem functions, which became important issues in many places worldwide. As the deer overgrazing continues, loss of recovery ability of the ecosystem has been reported. This means that protection or restoration become even more urgent but more difficult. Scientific understanding and truly effective solutions are still limited.

Ashiu Forest Research Station of Kyoto University has been experiencing deer overgrazing since late 1990. Various researches have been conducted, which revealed that flora and fauna had degraded and both land and river systems had changed. Researcher, Ashiu Forest Research Station and local governments have been trying to conserve the biodiversity and ecosystem since 2006. However, ecosystem properties such as non-linearity and alternative stable states make the conservation to be limited. In this talk, I will review the current research findings, relate them to ecological theories, and introduce an ongoing transdisciplinary project that tries to conserve nature as well as local human communities.