

Potential, Uncertainties, and Trade-Offs of Nature-Based Climate Solutions



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**Conference Room, 3/F,
Mong Man Wai Building**



Zoom Link (Mixed-mode)

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Nature-based climate solutions (NbCS), as a series of cost-effective climate change mitigation approaches, have been widely implemented globally. Collectively, NbCS can provide around 30% of the emissions reductions needed to limit global warming to 1.5°C by 2030. Despite the promising climate change mitigation potential, the long-term success and integrity of NbCS have been largely impaired by land competition with other expanding land-use types. In this seminar, I will share insights on how to utilize geospatial approaches to (1) better assess uncertainties in the achievable mitigation potential of NbCS due to future land-use competitions and (2) identify land management strategies to balance trade-offs and maximize synergies between NbCS and other land-use activities.



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