

第 29 回日本熱帯生態学会年次大会（札幌）
講演要旨集
Proceedings of JASTE29 in Sapporo

公開シンポジウム
「湿地・泥炭地を巡る炭素の話」



40-m-tall tower for CO₂ and energy flux measurement in an Indonesian peat swamp forest (T. Hirano)

14–16 June, 2019

北海道大学大学院環境科学院
Graduate School of Environmental Science
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日本熱帯生態学会
The Japan Society of Tropical Ecology (JASTE)

口頭発表プログラム Oral Presentation:

2019年6月15日(土) 午前 AM June 15 (Sat), 2019

発表ファイルの受付:各会場で9:00-9:20の間に済ませてください

Loading your presentation file between 9:00-9:20 at each room.

時間 Time	A会場 Room A		B会場 Room B	
	番号 No.	著者・題名 Authors, Title	番号 No.	著者・題名 Authors, Title
9:00-9:20	受付・午前中の講演ファイル準備(各会場にて) Registration and Preparation for Presentation File install for Morning Sessions (at each room)			
9:30-9:45	A01	高橋英紀ら(連携発表:日本泥炭地学会) 泥炭地に埋設した地下水位観測管の挙動について	B01	相蘇(眞田)春菜ら ボルネオ鉄木(<i>Eusideroxylon zwageri</i>)の基礎的木材性質
9:45-10:00	A02	Nur Wakhid (Collaborative Presentation: Japan Peatland Society) CO ₂ emission through frond decomposition from an oil palm plantation on tropical peat	B02	Kazuo Ando et al. The perspective of Universities' Practical Participation in Community Development: Study Tour Report on State Universities' Activities in the USA, Sep 2018.
10:00-10:15	A03	早坂洋史 インドネシアの泥炭火災とパランカラヤでの大気汚染	B03	金沢謙太郎 ボルネオ奥地で行う教養実践ゼミと参加学生の反応
10:15-10:30	A04	濱田洋平ら(連携発表:日本サンゴ礁学会) 衛星データ通信とLPWAを利用した熱帯泥炭地の地下水位、降雨量、土壌水分等のリアルタイム監視システム	B04	Ngo Kang Minら 都市住民における幼少期の自然体験量と野生動物に対する受容性の関係—シンガポールの事例
10:30-10:45	A05	辻宣行ら 泥炭地の地下水位短期予測モデル	B05	Akihiro Nakamura et al. The perception and awareness of butterfly diversity and conservation of local Dai ethnic minority in Southwest China
10:45-11:00	A06	亀岡大真, 甲山治(連携発表:日本泥炭地学会) ドローンを用いた熱帯泥炭地における土壌温度分布と地下水位の解析	B06	Kay Khine et al. Determinants of User Group Members' Participation in Community Forestry-based Coffee Plantation in Myanmar
11:00-11:15	A07	Hiroyuki Hasegawa and Shunichi Abe (Collaborative Presentation: Japan Peatland Society) Citarum River helicopter – satellite photogrammetry	B07	Adhikari Sudha Perspective of Community Forest User Groups on Impacts of Nepal Earthquake 2015 in their Livelihood
11:15-11:30	A08	Mandal Mohammad Shamim Hasan and Tetsuro Hosaka Time-series analysis of satellite imagery for detecting mangrove forest phenology in the Sundarbans	B08	角田一樹ら 国立公園の協働管理における住民参画の現状と課題-ボルネオ島におけるインドネシアとマレーシアの国立公園を事例として-
11:30-11:45	A09	高橋曉ら 流域土地利用状況とマングローブ葉 $\delta^{15}N$ との関係	B09	高橋進, Arief Darmawan インドネシア地方分権化期における国立公園の森林変化
11:45-12:00	A10	市栄智明ら 放射性炭素分析法を用いた熱帯二次林の形成年代特定技術の開発	B10	早川千尋ら ネパールにおける森林政策と地域レベルでの森林利用形態~コミュニティフォレストリーとリースホールドフォレストリーに着目して~

**The perspective of Universities' Practical Participation in Community Development: Study Tour Report
on State Universities' Activities in the USA, Sept. 2018**

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1. Background and Objective

The decreasing of the young generation from the rural area for migration to the urban area become a common social phenomenon in Asian countries. The problems of depopulation and abandoning farming are serious in Bhutan and Japan. The depopulated village communities are needing supports by the outside human resources such as staffs and students of universities. It seems to Ando's teaching and research experiences in Japan and Bhutan that most students grown in urban do not know the reality of the problems of depopulation and abandoning farming. The lack of a feeling of reality of the rural area and the farming activities have made the urban-based students difficult to find the alternative value of the rural area and life. In Bhutan, the college campuses of under the Royal University of Bhutan(RUB) locate in a rural area such as Kanglung in Trashigang District. Dasho Pema Thinley, ex-Vice Chancellor, RUB told Ando that the colleges of RUB have been established to contribute the community development. The general universities located in a rural area such as Maubin Univ, Myanmar are expected to activate the community development center attached to the university. In Japan, the university's participation in community development has been recently encouraged by the central government funding programs such as the Center of Community(COC) and COC+ since 2013. The university's participation in rural development and agricultural extension has been started in the mid of 19 century with the establishment of the state universities(land-grant universities under the Morrill Act of 1862) in the USA. We have, therefore, conducted the study tour to learn the present activities of the state university's participation so that we can utilize the USA model to our universities' program with the village communities.

2. Study Area and Method

The study tour was conducted from Sep.16 to 28, 2018. We visited Agricultural Education Outreach, Community and Regional Development Institute and Cornell Public Service Center in Cornell University, Ithaca, and Department of Development Sociology, National Collaborative for the Study of University Engagement in Michigan State University, East Lansing. The Ecovillage of Ithaca and the Meridian Township Farmers' Market were also observed under the study program.

3. Result and Discussion

Both the universities has been famous as a research university but also a state university, USA. Cornell University state clearly a responsibility—unique within the Ivy League—to make contributions in all fields of knowledge in a manner that prioritizes public engagement to help improve the quality of life in NY state, the nation, the world(<https://www.cornell.edu/about/>). Michigan State University also gives priority to public engagement. Cornell and Michigan State University run several community engagement programs such as agricultural extension, *community development, etc.* The students are also expected to participate in engage-learning and community service (<https://servicelearning.msu.edu/>). These public engagement programs are well indicting institutional necessity and potential of a university in Bhutan, Myanmar ,and Japan to overcome the problems of depopulation and abandoning farming as well as the way of learning from the communities.

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発行元： JASTE29 実行委員会

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