

A3 Foresight Program CarboEastAsia

—Capacity building among ChinaFLUX, JapanFlux and KoFlux to cope with climate change protocols by synthesizing measurement, theory and modeling in quantifying and understanding of carbon fluxes and storages in East Asia—

Field Campaign 2008 in Fujiyoshida

6 ~ 12 July 2008

富士 Calm

Fuji Calm



Programs

6th July Sun

Arrival
19:00 Reception

7th July Mon

08:30 Introduction (Liang)
08:40 Tower Flux Observation
▪ (Miyata)
09:30 Field Work (Saigusa)
12:00 Recess and Lunch
13:00 Field Work (Saigusa)
15:00 **Activities of JapanFlux** (Hirano)
15:30 Discussion on Programming Comparison (Chair: Takagi)
▪ **Calculations of JapanFlux** (Hirata)
▪ **Calculations of KoFlux** (Kwon)
▪ **Calculations of ChinaFLUX** (Wen)
▪ **Summary** (Hirata)
17:00 Recess and Dinner
19:00 Research Introduction (Chair: Takagi)
▪ **Integrative analysis of carbon fluxes over black spruce forests in Alaska by field observations, satellite remote sensing, and process-based model** (Ueyama)
▪ **Soil respiration in a subtropical coniferous plantation in southern China.** (Wang)
▪ (Yoo)
▪ (Hamotani)

8th July Tue

- 08:30 REA & BVOC
- (Takahashi)
 - (Tani)
- 09:30 Field Work (Takahashi)
- 12:00 Recess and Lunch
- 13:00 Field Work (Takahashi)
- 15:00 **Portable Flux Observation System** (Nakai)
- Research Introduction (Chair: Takahashi)
- (Okumura)
 - (Miyama)
 - (Nakagawa)
 - **Effect of selective cutting of large trees on transpiration and surface temperature, -Predictive study for evergreen broad-leaved forest in central Cambodia-** (Tamai)
- 17:00 Recess and Dinner

9th July Wed

- 08:30 LAI
- Biometrical method for estimation of forest carbon balance** (Liang)
- (Takeda)
- 09:30 Field Work (Takeda)
- 12:00 Recess and Lunch
- 13:00 Field Work (Takeda)
- 15:00 Research Introduction (Chair: Liang)
- (Lee D.)
 - **In Situ Measurement of the Water Vapor D/H and $\delta^{18}O/\delta^{16}O$ Isotope Ratio for Atmospheric and Ecological Applications.** (Wen)
 - (Park)
 - **The Effect of various forest disturbances on water budget in forested area, Japan.** (Tamai)
- 17:00 Recess and Dinner
- 19:00 Research Introduction (Chair: Liang)
- (Hong)
 - **Satellite-based estimation of evapotranspiration of an old-growth temperate mixed forest.** (Zhang)
 - (Thakuri)
 - **Leaf Area Index Measurements in ChinaFLUX.** (Liu)

<u>10th July Thu</u>	08:30	Soil Respiration <ul style="list-style-type: none"> ▪ (Lee JS) ▪ Effect Estimation of Environmental Factors and Soil Property on Topographical Variation of Soil Respiration - The Case of Extremely Immature and Mature Forest Soil - (Tamai)
	09:30	Field Work (Liang) & Photography
	12:00	Recess and Lunch
	13:00	Field Work (Liang)
	15:00	Research Introduction (Chair: Tamai) <ul style="list-style-type: none"> ▪ Predicting the environmental interactions of Eucalyptus plantations. (Yan) ▪ (Lee EH) ▪ Patterns of soil-atmosphere exchanges of CO₂ and CH₄ in forest ecosystems along the north-south transect of eastern China (NSTEC). (Fang) ▪ Global warming and forest soil carbon emission (Liang)
	17:00	Recess and Dinner
	19:00	Research Introduction (Chair: Tamai) <ul style="list-style-type: none"> ▪ (Kwon) ▪ (Han) ▪ (Kang) ▪ Change in the CO₂ balance under a series of forestry activities in a cool-temperate mixed forest with dense undergrowth (Takagi)
<u>11th July Fri</u>	08:30	Synthesis Discussions (Chair: Liang) <ul style="list-style-type: none"> ▪ Seasonal and Year-to-year changes in Carbon exchange between forest ecosystems and the atmosphere (Saigusa) ▪ (Kwon) ▪ Recent advances in the D/H and ¹⁸O/¹⁶O Isotope Ratio in precipitation based on Chinese Ecosystem Research Network (CERN). (Sun) ▪ Discussions
	12:00	Recess and Lunch
	13:00	Vegetation Survey (Mt. Fuji)
	17:45	Farewell Dinner (Restaurant FUJIYAMA)
<u>12th July Sat</u>	07:30	Departure