

# Field excursion      October 5, 2019 (Sat.)

## [1] Field excursion to Takayama site (7:45-13:00 on October 5, 2019)

### ■ Contents

About 5 hours field excursion to two different flux sites (including transit time and toilet break).

### ■ Booking information

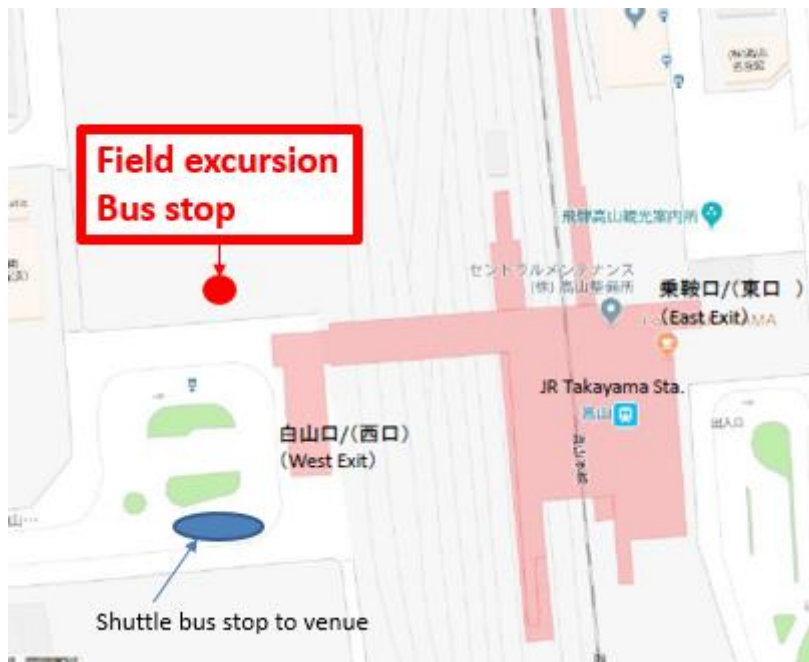
**Participants need to pre-book**

### ■ Schedule

CAR1	
7:45	Please convene at JR Takayama station (see attached map)
8:00-8:25	From JR Takayama station to TKC site by bus
8:25-9:35	TKC site
9:35-10:00	To Field station (FS) of Gifu University by bus
10:00-10:25	Toilet break and from FS to TKY site by bus and walk
10:25-11:55	TKY site
11:55-12:15	To FS (and toilet break)
12:15-13:00	To JR Takayama station
CAR2	
7:45	Please gather at JR Takayama station
8:00-8:45	From JR Takayama station to Field station (FS) of Gifu University by bus
8:45-9:00	From FS to TKY site by bus and walk
9:00-10:30	TKY site
10:30-11:00	To FS and toilet break
11:00-11:25	To TKC by bus
11:25-12:35	TKC site
12:35-13:00	To JR Takayama station

■ Meeting place

7 : 45 Near west exit at JR Takayama station



■ Location of TKY and TKC sites

TKY and TKC sites are about 50 and 25 minutes by bus from JR Takayama station, Takayama city, respectively (Figure 1).

■ Climate condition and other information

The maximum air temperature in the sites will be up to 15 degree C around the noon in early October, but sometimes it is very cold (less than 10 degree C) even in midday depending on weather. A warm coat will be useful to prevent from cold weather. If it is light rain, the field excursion will be conducted. Please prepare your hiking shoes and raincoat for the field excursion. If it is heavy rain, the field excursion may be canceled.

■ Caution

Participant will walk inside the forest. Please buy overseas travel accident insurance yourself and confirm that your insurance cover field activities.

## ■ Detailed site description

The "Takayama site" mainly consist of a cool-temperate deciduous broadleaf forest (TKY) and an evergreen coniferous forest (TKC), which are part of the AsiaFlux (<http://www.asiaflux.net/>) and Japan Long-Term Ecological Research (JaLTER, <http://www.jalter.org/>) networks (Figure 1). The history of the Takayama site was initiated by the long-term observation of CO<sub>2</sub> exchange between the atmosphere and the deciduous forest, and ecological research for the carbon cycle processes in the forest, by numbers of scientists and students from several research institutes and universities. Efforts also have been made to link ecology, micrometeorology, modeling and *in-situ* remote sensing to explore the multi-scale investigations of the ecosystems and surrounding landscape, and this initiative is called "Satellite Ecology (SATECO)", which is now one of the interdisciplinary initiatives for cross-scale observation of ecosystems (Figure 2, see detailed in Muraoka et al. 2015).

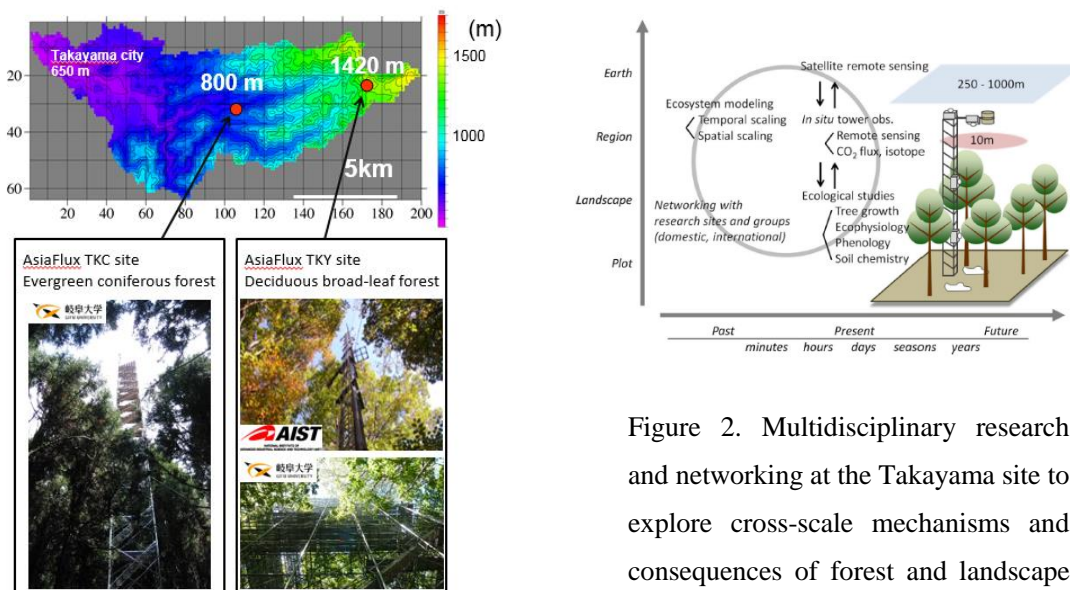


Figure 1. Location of Takayama site

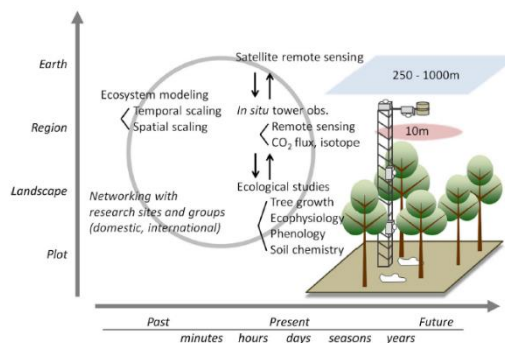


Figure 2. Multidisciplinary research and networking at the Takayama site to explore cross-scale mechanisms and consequences of forest and landscape structure and functions (Muraoka et al. 2015)