



# Yonsei Univ. Ecosystem – Atmosphere Processes Study



## Measurement

### Urban Atmospheric Environment



### Biogeochemical Cycles in Forest and Cropland



### Turbulence Structures in the Planetary Boundary Layer



## Instruments

### CRDS

: G2201-I CO<sub>2</sub>/CH<sub>4</sub> carbon stable isotope analyzer (Picarro Inc.)

**Sonic anemometers** : CSAT3 (Campbell Scientific Inc.)

### Infra-red gas analyzer

: LI-7200 closed-path gas analyzer (Licor Inc.)

LI-7700 open-path CH<sub>4</sub> analyzer (Licor Inc.)

EC155 closed-path gas analyzer (Campbell Scientific Inc.)

**Data loggers** : CR1000, CR3000 (Campbell Scientific Inc.)

**Radiosonde** : NW41 (Vaisala Inc.)

**Celiometer** : CLB311 (Vaisala Inc.)

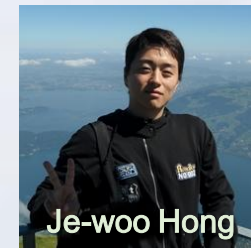
## Modeling

**M**odeling Ecosystem-Weather-Climate Feedbacks

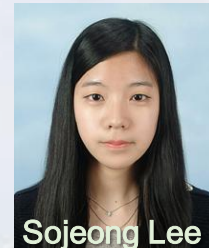
**T**racking Source/Sink of Carbon, Water and Energy

**M**odeling the Earth Land Surface

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