



Honghe Agroforestry Research Station

The Honghe Agroforestry Research Station is located in Dayangjie Township, Honghe County, approximately 250 kilometers from Yunnan Province's capital of Kunming, with an area of 200ha. It includes the Honghe Mountain Futures Germplasm Resources Innovation Center, ICRAR Agroforestry Demonstration Station, and Poverty Alleviation Training Center.



Germplasm Resources Innovation Center



ICRAR Agroforestry Demonstration Station

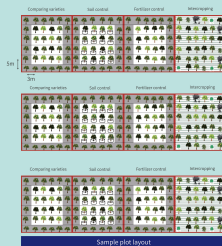


Poverty Alleviation Training Center



Honghe dry-hot valley in Southwest China

Savannah-shrub vegetation type is common in Honghe



Soil Ecology and Big Data

Comparative monitoring of degraded lands was established at different altitudes to study the effects of agriculture on soil carbon, microbial community and functional diversity. A total of 7814 microbial species were obtained by measuring soil microorganisms.

- Comparative monitoring of degraded lands
- Greenhouse gas emissions
- Soil enzyme / microbial community
- Soil carbon / nitrogen metabolism

Soil sample collection



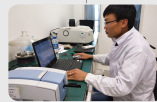
Metagenomic analysis



Enzyme activity analysis



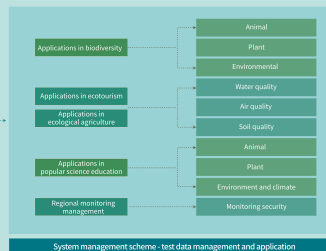
Environmental data



Elemental dynamics



Dynamic monitoring of soil respiration



Monitoring System and Outputs

