

Terrestrial Ecosystems Management



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What terrestrial ecosystems should be realized?

What actions would realize them?



- ◆ Understand the dynamics of nutrients such as carbon, nitrogen and phosphorus in the ecosystems using the physical, chemical and biological approaches
- ◆ Estimate the impact of our actions on the dynamics
- ◆ Examine the social background of the actions.

Possible research themes and keywords

- **To achieve both agricultural development and environmental conservation**

Asia

(Indonesia, Vietnam, forest conservation)

- **To realize minimum-loss agriculture through elucidation of the environment-livelihood nexus**

Africa

(Semiarid Tropics of Africa, rural development)

- **To minimize nutrient loss in commercial agriculture in the Tropics** (Thailand, Tanzania, environmental conservation)

- **To develop climate smart agriculture in Tropical Asia and Africa** (Asian and African countries, agricultural development)

Pan-Asia and Africa

- **Ecosystem ecology of Satoyama**

Japan

(Japan, environmental conservation)

Many collaborative research with the other labs of GSGES and the other GSs

Our study field

