

BSc or MSc Thesis in Agroecology

Climate effects of green alder expansion



About the project

Green alder is the most frequent woody species encroaching mountain grasslands in the Swiss Alps. Since it is able to fix atmospheric nitrogen, it causes an oversupply of nutrients in the environment and emits nitrogen oxide – a highly potential greenhouse gas.

This BSc or MSc thesis aims at quantifying the effects of green alder expansion on the climate. You develop different land use scenarios based on real sites and farms. Using climate inventory data, you quantify the gas emissions of these scenarios and investigate the sensitivity of the results on the various input parameters.

What we offer

- an excellent opportunity to extend your scientific skills
- independence to develop your own innovative approaches
- support by a motivated research team

Dates

Starting date: flexible

Your profile

- self-motivation and interest in agroecological applications
- basic knowledge of agricultural land use

Contact

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