



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

Department of Soil and Environment



MSc project on remediation of agricultural streams and ditches

Credits: 30 credits
Level: Master
Subject: Environmental Science or Soil Sciences
Start: Winter 2025

Background

Streams and ditches draining agricultural landscapes are heavily polluted and modified yet have a potential to provide important environmental functions such as flood and drought control, regulation of nutrients, erosion, and biodiversity. This project aims to evaluate existing stream chemistry data from several locations in Sweden where landowners have improved stream/ditch geomorphology to improve chemical and ecological conditions.

Project aim

To analyse existing chemical, geomorphological and ecological data from remediated streams and ditches in agricultural landscapes in Sweden. To evaluate effectiveness of undertaken measures to improve chemical (stream chemistry) and ecological (diversity of species) conditions in agricultural streams and ditches. The project is conducted in a close collaboration with Swedish landowners and farming advisors implementing mitigation measures in agricultural streams and ditches.

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Website: <https://www.slu.se/en/ew-cv/magdalena-bieroza/> here you can find examples of past MSc projects supervised by our group and learn about what we do.