

Postdoc in soil biogeochemistry with a focus on soil organic matter dynamics

About the position

The group Biogeochemistry of Forest Soils in the Department of Soil and Environment at SLU is looking for a postdoc to explore soil organic matter dynamics. The position is part of the ERC consolidator project PHOSCYCLE. The postdoc will use isotopes to explore the turnover of organic phosphorus and other organic matter pools. In addition, the postdoc will study which factors control soil organic matter stoichiometry and the turnover of carbon, nitrogen and phosphorus. The postdoc will work with soils from long-term monitoring sites and sites that experienced a change from C3 to C4 vegetation. He/She will be part of a team of scientists that work together on closely related questions about dynamics of organic carbon, nitrogen, and phosphorus in soils.

Your profile

We are looking for a postdoc with a PhD in biogeochemistry, environmental chemistry, soil science or similar, ideally received within the last three years. Experience in soil organic matter research and the use of isotopes is required. Knowledge about soil organic matter modelling is a merit. Candidates should also be able to demonstrate proficiency in statistical analyses and have a high proficiency in spoken and written English that includes very good scientific writing skills.

About us

The Department of Soil and Environment at the Swedish University of Agricultural Science (SLU) is a leading soil research institution, both nationally and internationally. Our research focuses on fundamental soil properties and processes as well as how soil functions are affected by changes in environmental conditions, including climate change. Through research, environmental analysis and education, we contribute knowledge about future sustainable land use and develop new solutions as a basis for decision-making in agriculture, forestry and the urban environment. The working environment at the department is international and we have around 100 employees.

Further information can be found here

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