AARHUS
UNIVERSITY
DEPARTMENT OF AGROECOLOGY

Invitation for inauguration of two professors

We are pleased to invite you to the inauguration of two newly appointed professors namely Lars J. Munkholm and Søren O. Petersen in the areas of "Sustainable Soil Management" and "Greenhouse Gas Emissions and Mitigation" respectively.

A reception hosted by the department will follow the two lectures.

Inaugural lectures	Professor Lars J. Munkholm & Professor Søren O. Petersen
Time	5 December 2019, at 10:00
Place	Auditorium, AU Foulum
10:00 – 10:05	Welcome by Acting Head of Department, Professor Jørgen E. Olesen
10:05 – 10:35	"Soil management for sustainable plant production" by Lars J. Munkholm The importance of well-functioning arable soils is strongly increasing due to a demand for higher biomass production and a lower environmental impact. Climate change is also increasing the significance of well-functioning soils, as the soil needs to support plant growth under more extreme weather events, accommodate more extreme rainfall, store more soil carbon etc. The functioning of Danish arable soils is threatened mainly by soil compaction, loss of organic matter and erosion – all resulting in soil structural degradation of soils. Understanding the processes of soil degradation and regeneration can help to develop management solutions to improve the functioning of arable soils. This lecture will present examples of our research where novel insights into soil structural degradation and regeneration supports the development of more sustainable soil management.
10:35 – 10:50	Q&A
10:50 – 11:20	"Managing microbes in agroecosystems for greenhouse gas mitigation" by Søren O. Petersen Agricultural greenhouse gas emissions are products of microbial activity. Understanding the biological and environmental controls of microbially catalysed processes can therefore help predict where and when a given technology or management may reduce, or mitigate, emissions. This lecture will present examples of research, where insights from studies of microbial ecology and biogeochemistry have supported strategic and applied research. The focus will be on methane emissions from manure management, and nitrous oxide emissions from arable soil.
11:20 – 11:35	Q&A
11:35 – 12:30	Reception
Registration	No later than 20 November 2019 Please sign up here: https://events.au.dk/WorldSoilDay2019/

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