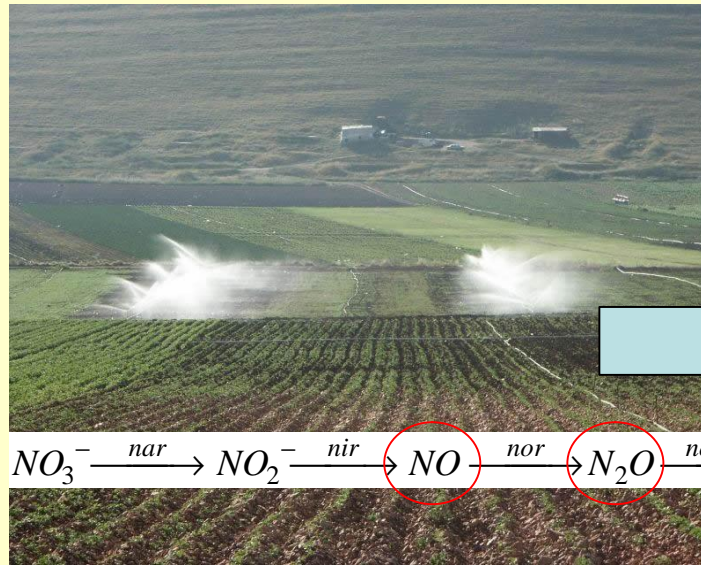


NOVA PhD course 4 ECTS
”Microbial N transformations and NO/N₂O emissions”
7-12 June 2009 in Ås, Norway



The course will cover biogeochemical nitrogen transformations. Special focus will be on factors that affect nitrification/denitrification, which are the major processes responsible for emissions of NO and N₂O from the biosphere to the atmosphere. Experimental work will include field measurements of gas fluxes, as well as laboratory experiments including gas kinetics and molecular techniques to investigate the composition of denitrifying genes and their expression. In addition to the experimental exercises, a series of lectures will be given covering also other aspects of the nitrogen cycle such as biogeochemical N transformations at larger scales and symbiotic nitrogen fixation. The course will be unique in providing in-depth and comprehensive knowledge in the biological aspects of the ongoing nitrogen enrichment of the biosphere, which is one of the most urgent present and future environmental challenges, beyond that of global warming. Application deadline: 1 March 2009

More information and application at: <http://www.helsinki.fi/soilsoc/courses/coursesSoilSoc/2009nitrogen.html>

Course responsible: Professor Åsa Frostegård, Norwegian University of Life Sciences, e-mail: asa.frostegard@umb.no
<http://www.umb.no/nitrogengroup/>