

Session 6: Nutrients to and from the atmosphere - chairman : R. Brinkman**11.00 - 11.30 : Key-note lecture**

Nutrient redistribution by soil-atmosphere exchange of nitrogen compounds
Mosier A.R. (U.S.A.)

11.30 - 11.50 : A new method for simultaneous measurements of N_2 and N_2O -emissions from intact soil cores

Butterbach-Bahl K., Willibald G. and Papen H. (Germany)

11.50 - 12.10 : Processes leading to nitrous oxide production in a grassland soil after N-fertilization

Müller C., Barraclough D., Ottow J.C.G. and Jäger H.-J. (Germany)

12.10 - 14.00 : Lunch**14.00 - 14.20 : Use of nitrification inhibitors to reduce nitrogen losses to the environment following dairy farm effluent irrigation**

Williamson J., Taylor M., McLeod M., Torrens R. and Vojvodic-Vukovich M. (New Zealand)

14.20 - 14.40 : Intercropping: a practise to improve the utilization of N-sources ?

Jensen E.S. (Denmark)

14.40 - 15.00 : Ammonia volatilization after slurry spreading, use of a mechanistic model to better understand and control it

Géniermont S. and Cellier P. (France)

15.00 - 15.20 : Usefulness of rhizobial inoculation in fertilization of common bean in Tunisian soils

Aouani M.E., Mhamdi R., Mars M. and Ghrir R. (Tunisia)

15.20 - 15.50 : Effect of N-fertilization, grazing and reflooding on nitrous oxide and methane emissions from minerotrophic peatlands in Northern Germany

Augustin J., Merbach W., Käding H., Schmidt W. and Schalitz G. (Germany)

15.50 - 16.10 : Coffee**16.10 - 18.00 : Poster Session****FRIDAY SEPTEMBER 12****Session 7: Spatial variability of nutrients - chairman: A. Mosier****09.00 - 09.30 : Key-note lecture**

Spatial variability of nutrients across the landscape: a blessing in disguise ?
Van Kessel C. and Stevenson F. Craig (U.S.A.)