

**SUSANE – New courses on scientific writing and presentation skills,
manure management, and life cycle assessment**

This newsletter presents in short new courses on scientific writing and presentation skills, manure management and life cycle assessments, which will be held by SUSANE II at National Institute of Animal Sciences. The objectives of these courses is to help PhD and Msc students, who mainly focus on agricultural environment, to manage manure appropriately, which will stimulate efforts for green economic development, to provide a LCA tool for assessing the environmental burdens through its entire life cycle, and to give them scientific writing and presentation skills for communicating their research results.

Manure management course

Course abstract

The course is about the management, treatment and utilisation of animal manures (slurry, solid farmyard manure, deep litter etc.) from livestock production.

Participation in the course will give students a fundamental understanding of technologies for biogas production and treatment of manure that can alleviate the potential damage to the environment caused by livestock production. The student will achieve an ability to analyse and present data and processes in the manure management chain. The course will give insight and hands on experience in the functionality of biogas and environmental technologies for the treatment of animal manures.

Lecturers:

1. Assoc. Prof. Vu Chi Cuong, National Institute of Animal Sciences, Hanoi, Vietnam
2. Dr. Le Dinh Phung, Dept. of Sciences, Hue University of Agriculture and Forestry
3. Prof. Sven G. Sommer, Dept. of Chem. Engineering, Biotechnology and Environmental technology, University of Southern Denmark, Odense, Denmark
4. Dr. A.J.A. Aarnink, Livestock Environment Animal Sciences, Animal Production Systems group, Wageningen university, The Netherlands
5. Prof. Lars Stoumann Jensen, Department of Agriculture & Ecology, University of Copenhagen,

Time: 19-24 March 2012 (both days included)

Scientific writing and presentation skills

Course abstract

This course will train the students in writing a synopsis or a short report, which must present scientific state of art description to give the background for the study they will carry out. This state of art must support 1) a hypothesis, 2) specific objectives of the research and 3) the research components which the student intent to carry out.

Lecturers:

1. Dr. Le Dinh Phung, Dept. of Sciences, Hue University of Agriculture and Forestry
2. Prof. Sven G. Sommer, Dept. of Chem. Engineering, Biotechnology and Environmental technology, University of Southern Denmark, Odense, Denmark

Time: 5-10 March 2012 (both days included)

Life cycle assessment of manure management options

Course abstract

Life cycle assessment is a multi-disciplinary tool that is used to jointly assess the different environmental impacts associated with the production of a product or a production system. In the course the general theory behind life cycle assessment will be covered and an application of the theory in a simple case study comparing two different manure management options will be carried out

Lecturers:

1. Assoc. Prof. Sander Bruun, Plant and Soil Science Laboratory, Department of Agricultural Sciences, University of Copenhagen, Denmark
2. Dr. Vu Thi Khanh Van, National Institute of Animal Sciences, Hanoi, Vietnam.

Time: Autumn, 2012

Duration: 7 course days

Detail information about the courses are presented in the SUSANE website:
<http://www.susane.info/en/home/>