

## NJF seminar, No 380

### Adaptation of crops and cropping systems to climate change

7-8 November 2005, Dalum Landbrugsskole, Odense, Denmark

#### Background and objectives

The climate in the Europe has warmed by about 0.8 °C over the 20th Century, and by about 0.5 °C over the past 30 years. This has led to changes in the suitability of agricultural areas for crop cultivation, in particular for crops, which are currently marginally suited for cultivation. Further warming of 2 to 7 °C is expected during the 21st century due to anthropogenic climate change. This will have drastic effects on the functioning and management of agricultural systems, including related emissions of nutrients and pesticides to the surrounding environment.

There is an increased focus from the agricultural sector and the society on adaptation to the climate change. The adaptation responses are strongly linked to the sensitivities and vulnerabilities to current climate and to climate change. These must therefore be seen in the context of current climatic conditions, agricultural systems and responses of the agroecosystems to changes.

#### Topics

- Climate change impacts on crops and cropping systems, including productivity, nutrient cycling, plant protection, soil management, environmental impacts of agricultural activities etc.
- Adaptation options, including short-term adaptations (e.g. adjustment of fertilisation and pesticide use, and change in cultivars) and long-term adaptations (e.g. land use changes, investments in irrigation systems, plant breeding).
- Adaptation strategies at the farm, regional, national and EU levels.
- Methods for assessing impacts and adaptation, including sensitivity analyses, scenario analyses, analogues, integrated models etc.

#### Keynote speakers

Dr. Jens Hesselbjerg Christensen, Danish Meteorological Institute, Denmark  
Prof. Frank Ewert, Wageningen Agricultural University, Netherlands  
Prof. Marco Bindi, University of Florence, Italy

#### Target Group

Researchers, advisors and policy makers interested in the effect of climate and climate change on agriculture.

#### Language

The seminar language will be English. All abstracts and presentations must be prepared and presented in English.

## Seminar programme

The seminar will start at 10.00 on 7 November and finish at 16.00 on 8 November. A preliminary programme is available on the seminar page at [www.njf.nu](http://www.njf.nu).

## Call for papers and posters

Proposals for oral presentations and posters are invited. The organisation committee reserves the right to select among the submitted abstracts for oral and poster presentations. These abstracts will be available at the seminar. Papers of the presentations will be published in a report from Danish Institute of Agricultural Sciences after the seminar. Please use the guidelines for abstracts available at the seminar page at [www.njf.nu](http://www.njf.nu).

## Important deadlines

Submission of abstracts (one page) for oral presentations	15 May 2005
Notification of acceptance	1 June 2005
Final registration and poster abstracts	1 October 2005
Manuscript deadline for proceedings	15 December 2005

## Seminar location and accommodation

The seminar (incl. accommodation) will be held at Dalum Landbrugsskole, Odense, Denmark ([www.dalum-korith.dk](http://www.dalum-korith.dk)). The site is located 4 km from the centre of Odense, where there is frequent direct railway connection from Copenhagen Airport Kastrup (2 hour journey). Transport will be organised between the Odense railway station and the seminar location. Accommodation costs 500 SEK per night.

## Seminar fee

The seminar fee covers participation and all meals.

Seminar fee in SEK	Before 10 September	After 10 September
NJF members	2500	3000
Others	3500	4000

## Organising committee

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## Seminar secretariat

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## Participation and registration

To participate with an oral presentation or a poster, please submit your one page abstract(s) to the seminar secretariat by the deadlines listed above. Please also remember to register at the seminar secretariat using the form available at [www.njf.nu](http://www.njf.nu).