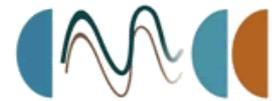




University of Sassari
Department of Economics
and Woody Plant
Ecosystems (DESA)



Doctoral School
Changes
Global Change Science and Policy



CMCC
Centro Euro-Mediterraneo
per i Cambiamenti Climatici

PhD course on Agrometeorology and Ecophysiology of Agricultural and Forestry Eco-Systems (coordinator D. Spano)

**Doctoral School on Agricultural and Forestry Eco-Systems and
Food Production Sciences**

SUMMER SCHOOL ON **CLIMATE CHANGE AND AGRICULTURE**

Alghero, Sardinia - Italy 14-18 September 2009

Objectives

The aim of the Summer School is to give our doctoral students a wide view of climate change impacts on agriculture, focusing on the most important models and tools. Agriculture is one of the main sectors affected by climate change and there are still uncertainties as to how the combined effects of climatic variables (CO₂, temperature, and precipitation) affect crop growth and yield. The uncertainties and issues related to adaptation and mitigation strategies for climate change will be discussed.

Main Topics

The following topics will be discussed:

- Climate change impacts on agriculture
- Adaptation strategies
- Mitigation strategies
- Adaptation and mitigation: potential synergies

Contents

- Introduction to climate change impacts on agriculture
- Temporal and spatial scales: focusing on downscaling
- Models and tools to evaluate the climate change impacts on agriculture:
 - o Land evaluation techniques (land capability and suitability)
 - o Crop growth models
 - o Statistical approaches
 - o Case studies
- Adaptation strategies
- Mitigation strategies
- Potential synergies and economic evaluation
- Changes in land use: impacts on agriculture areas

CONTACTS: Pierpaolo Pani (agromet@uniss.it)



Università
Ca'Foscari
Venezia



PARTICIPATION (ADMISSION)

Participants are required to have an adequate knowledge of English.

The number of participants is limited to 35 (20 students from the Doctoral School Changes and 15 other participants.)

DEADLINE

The deadline for requesting participation is August 14th 2009.

REQUESTS FOR PARTICIPATION

The registration fee is 400 euros for non-Doctoral School Changes participants and it includes lunch buffet and coffee break.

The method of payment will be specified later.

Participants should send the application form, a letter of interest and a curriculum vitae to the address agromet@uniss.it

ORGANIZATION OF LECTURES

The School will consist of group lectures and/or laboratories.

The working language will be English.

At this time, the invited lecturers include:

- Edoardo Bucchignani, Centro Italiano Ricerche Aerospaziali, Italy
- Ted Dejong, University Of California, Davis
- Martin Dubrovsky, Institute Of Atmospheric Physics, Prague
- Fabio Eboli, Fondazione Eni Enrico Mattei, Italy
- Guenther Fischer, International Institute for Applied Systems Analysis,
Laxenburg, Austria
- Gerrit Hoogenboom University Of Georgia, Usa
- Monia Santini, Tuscia University Of Viterbo, Italy
- Richard Snyder, University Of California, Davis