

## Where?

Montpellier is the capital of Languedoc-Roussillon, close to the Mediterranean Sea. It's a cosmopolitan, dynamic and welcoming city: besides its famous historical heritage, it projects the image of a young and enterprising community.

Montpellier can easily be reached by train and air.

Weather in February may be a little cold and wet but Mediterranean climate protects from harsh temperatures.

## Venue

The training course will be organised at the Remote Sensing Centre (*Maison de la Télédétection*) which is located in the Agropolis campus, a leafy area on the northern periphery of Montpellier.



## Accommodation

The participants will be put up at Hotel Heliotel, located near the Agropolis campus, within a ten minutes walk from the Remote Sensing Centre.

## The Marie Curie Series of Events METIER

"METHODs in Interdisciplinary Environmental Research" is a series of seven graduate training courses and one final conference addressing cutting-edge methods of interdisciplinary environmental research such as remote sensing, environmental modelling, scenario development and forecasting, geo-visualization, and information management. The series is offered by the PEER network and supported by the European Community.

## The network PEER

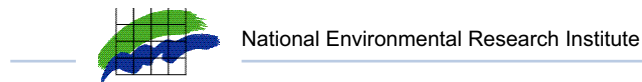
"Partnership for European Environmental Research" is an initiative of seven large European centres of environmental research. It was founded in 2001 in order to perform common research activities, including graduate training courses and capacity building.



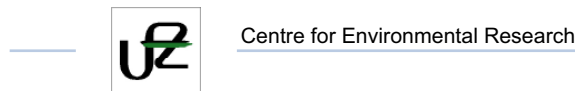
Natural Environment Research Council -  
Centre for Ecology and Hydrology



Joint Research Centre -  
Institute for Environment and Sustainability



Finnish Environment Institute



# PEER

Partnership for European  
Environmental Research

## METIER Graduate Training Course „Information management in environmental sciences”

Date: 19<sup>th</sup> – 24<sup>th</sup> February 2007  
Location: Montpellier

ALTERRA

CEH

Cemagref

JRC-IES

NERI

SYKE

UFZ



METIER:  
Marie Curie Series of Events "METHODs in  
Interdisciplinary Environmental  
Research"



## You are invited to the METIER Graduate Training Course on

### “Information management in environmental sciences”!

Modern environmental research deals with an ever increasing amount of data, coming from various sources, remote sensing sensors, field experiments or statistical surveys.

Information management in environmental sciences therefore represents an essential but yet underdeveloped prerequisite. It does not refer only to gathering and storing data, including geographic ones, into data banks. Data and information should be managed so that they could be assessed and used by scientists from different research areas.

Such a fine-tuned information management requires specific information technologies and skills. One of the challenges is to retrieve the really important data among a broad data set. Another major one is to prepare data so that they can be easily used through different methodological approaches by researchers from different disciplines as well as by users who are not expert in the concerned research domains.

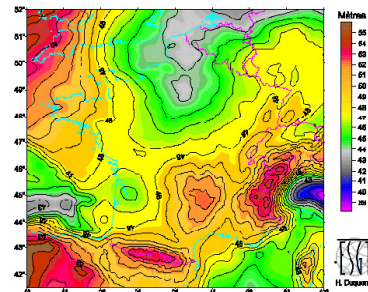
### The course addresses young scientists of different fields and disciplines...

...such as environmental scientists, physicists and ecologists who are interested in learning the techniques and fundamentals of information management (and more specifically geographic information).

Target participants are PhD students and early-stage researchers (e.g. post-doctoral researchers), who will benefit from the interdisciplinary approaches offered by this course.

### Course topics

- Geographic & environmental data in the scientific field  
Life cycle of data, administration of data
- Geographic databases and conceptual modelling  
Thematic, geographic & temporal properties, languages for conceptual modelling (relational, object-oriented, spatio-temporal extension), modelling approach (MDA)  
*Tools used for demos and practical exercises: Perceptory, Objecteering*
- The market for geographic & environmental data and their operational use  
Data availability in the European context, operational use and evaluation protocols
- Acquisition and processing of geographic and environmental data in the scientific field  
Data pre-processing: cartographic projection system, Changes of scale



Gravimetric data & DTM in France (ESGT 2000)

- Distribution of geographic and environmental data  
Technological and regulatory context in Europe: INSPIRE directive, Aarhus convention  
Data cataloguing  
*Tool used for demos and practical exercises: MDweb*
- Perspectives: moving towards mediation infrastructure for the sharing of data and procedures

### About us

The Joint Research Unit “Territories, Environment, Remote Sensing & Spatial Information” (TETIS) brings together three french institutes involved in agroenvironmental higher education and research : Cemagref, CIRAD & ENGREF.

TETIS leads varied research projects in Geographic Information management applied to environment, agriculture and sustainable development.

It provides scientific and technical support to public policies in France and abroad

It is also in charge of a large range of educational programmes (academic and professional curricula, varied initial and continued training offers).

### Organisation and contact

Pierre Bazile

Tel.: +33 (0)467 548 722

Email: pbazile@teledetection.fr

Fax: +33 (0)467 548 700

### Registration:

Web-based registration is open from 25th November 2006 to 5th January 2007.

A selection committee will notify applicants before 15th January 2007 on their participation.

Accommodation, meals and limited travel funding will be provided to the participants.

The host (UMR TETIS) can provide local transport. Further travel advice will be given to the participants.

The number of participants is limited to 25.

### For more information:

[www.peer-initiative.org/metier](http://www.peer-initiative.org/metier)

METIER