

**European seminar in BIARRITZ (FRANCE)
December 3rd, 4th, 5th 2008**

« TEACHING ENVIRONMENTAL SCIENCES »

France will chair the presidency of the European Union Council from July 1st till December 31st. During this time, a large number of public events are planned throughout the entire national territory. The learning of sciences is one of the main areas of work to have been chosen in the field of education.

The “Académie” of Bordeaux or the Bordeaux regional educational board (part of the French Ministry of national education) has been actively involved over several years in international projects such as “Carboschool” or “Globe” with a view to highlighting the importance of the teaching of environmental sciences. The “Académie” of Bordeaux, in partnership with the territorial state bodies, has also set up an ambitious plan of computing equipment to develop the use of Information and Communication Technologies (IT) in the teaching of sciences.

The seminar “Teaching environmental sciences” is to be held in Biarritz on December 3rd, 4th, 5th 2008. It is organized by the “Académie” of Bordeaux in partnership with the European Space Agency (ESA), the National Centre of Space Studies (CNES), the National Institute of Agronomic Research (INRA) and the companies “Apple”, “Calibration”, and “Promethean”.

This seminar aims at bringing forth the emergence of new European partnerships in areas where the use of Information and Communication Technologies play an active part in the teaching of environmental sciences.

Wednesday December 3rd

Welcome to the different partners from 12 on

14H00-15H00 :

- Opening of the seminar by Monsieur le Recteur (or his representative)
- Introduction of the different partners

15H00-17H00 :

- “What is the current place of the environmental sciences in the second level school programs of the member states of the European Union?” (Display of the actions led in different countries, exchanges between the partners)

17H00-18H30 :

- “Which computing tools to teach sciences?” (Presentation and discovery in small groups of some technical solutions adapted to the teaching of experimental sciences: numeric digital boards, mobile classes, EXAO)

20H00-22H00 :

Dinner at the « Lycée Hôtelier » in Biarritz

Thursday December 4th (morning)

The carbon cycle

9H00-9H30 :

- Presentation of the European programmes CarboEurope and Carboschool

9H30-10H30 : Scientific conferences

- “What is the input of space technologies in the understanding of the carbon cycle ?”
- “A digitized forest for a better understanding of the carbon cycle”

10H30-10H45 :

Coffee Break

10H45-12H30 :

- “The carbon cycle : which experimental and computer-aided activities are offered to the pupils ?”

12H30-14H00 :

Lunch

Thursday December 4th (afternoon)

The use of satellite location systems to understand the environment

14H00-15H00 :

- **Presentation of the European project GALILEO**

15H00-16H00 : Scientific conference

- **“The use of ARGOS beacons in oceanography”**

16H00-17H00 :

- **“How to adapt pedagogical means for location data?” (Presentation and carrying out of experiments in small groups)**

Thursday December 4th (evening)

18H00-20H00 : Visit of « The Sea Museum » in Biarritz

20H00-22H00 : Cocktail at “The Sea Museum”

**Friday December 5th (morning)
Remote sensing for studying Earth**

9H00-9H30 :

- **Presentation of satellite imagery**

9H30-10H00 :

- **Presentation of data bases and educational tools used throughout Europe**

10H00-12H00 :

- **“How to adapt pedagogical means for satellite images with a numeric digital board and information systems in geography?” (Presentation of activities, manipulation of the softwares in small groups)**

12H00-14H00 :

Lunch

14H00 :

Close of the seminar