

ERCA

23rd session from
**JANUARY 7TH to
FEBRUARY 6TH**
Grenoble, FRANCE



**Université
Joseph Fourier**
GRENOBLE



ERCA

**European
Research
Course on
Atmospheres**

ERCA is a course for PhD students, scientists and engineers from universities, public research institutes and private research or industrial organizations. It is a high level international course on the Physics and Chemistry of the atmosphere of planets, the climate system and climate change, atmospheric pollution at different scales and the human dimensions of environmental changes.



PROGRAM 2015

January 7th > 30th
GRENOBLE

LECTURES (about 130 hours)

- > Atmospheric chemistry and atmospheric composition changes
- > Earth climate system and the science of Climate change
- > Earth Science system - Impact and society
- > Experimental techniques and research methodologies for the Atmospheric Sciences
- > Hydrology and Precipitation: water cycle in climate change
- > Planetary atmospheres and space weather

PRESENTATIONS given by the participants.

VISITS:

- > The European Synchrotron Radiation Facility
- > The Laboratory of Glaciology and Geophysics of the Environment
- > The Planeterrella experiment (Institute of Planetology and Astrophysics).

February 1st > 6th

**OBSERVATOIRE DE HAUTE
PROVENCE (OHP)**

- > Temperature, wind and ozone lidars
- > SAOZ and Dobson spectrometers
- > Balloon sounding
- > Optical telescopes
- > Mediterranean forest platform

DEADLINE of application
on the web site:

September 15th, 2014

LECTURERS

Lecturers are world leading scientists in the fields of atmospheric sciences, climate, hydrology, planetology. The complete list of lecturers can be found on the ERCA web site.

FINANCIAL SUPPORT

Financial support will be available for a limited number of candidates from emerging and developing countries, Eastern & Central Europe and personnel of French CNRS

<http://erca-school.eu>

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ORGANISATION OF THE SCHOOL

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GAW



**Helmholtz-Zentrum
Geesthacht**
Zentrum für Material- und Küstenforschung



IRD
Institut de recherche
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RhôneAlpes

