

ERCA

27th session

**JANUARY 6TH >
FEBRUARY 2ND**
Grenoble, FRANCE

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”



PROGRAMME 2019

ERCA course will consist in a series of high-level lectures given by lecturers from all continents and a project study on the atmospheres by the students, advised by the lecturers.

January 6th > January 28th
GRENOBLE

January 29th > February 2nd
OBSERVATOIRE DE HAUTE PROVENCE (OHP)

LECTURES

- › 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

- › Temperature, wind and ozone lidars
- › SAOZ and Dobson spectrometers
- › Balloon sounding
- › Optical telescopes
- › CO2 measurements
- › Mediterranean forest platform

DEADLINE for application on the web site:
September 15th 2018

POSTER SESSION (by the participants)

PROJECT WRITING (by participants)

VISITS & PRACTICALS

- › Laboratory of Glaciology
- › Planeterrella
- › Coriolis platform
- › Snow monitoring
- › Cavity Enhanced Spectroscopy



<http://erca-school.eu>

CONTACT

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ORGANIZING COMMITTEE

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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 and personnel of French CNRS.