

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, the climate system and climate change, atmospheric pollution at different scales and the human dimensions of environmental changes.

29th session

JANUARY 11TH > 29TH

Grenoble, FRANCE



PROGRAMME 2021

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.

GRENOBLE

January 11th > 18th
and 23rd > 29th

OBSERVATOIRE DE HAUTE PROVENCE (OHP)

January 19th > 22nd

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
- › Hg as a global environmental pollutant

POSTER SESSION (by the participants)

PROJECT WRITING (by participants)

VISITS & PRACTICALS

- › Laboratory of Glaciology
- › Weather radar
- › Data Analysis introduction - Using Copernicus data
- › Snow monitoring
- › Cavity Enhanced Spectroscopy

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



DEADLINE for application on the website:

October 11th, 2020



CONTACT

ERCA office
Maison des Magistères
25 rue des Martyrs, BP 166
38042 Grenoble, France

- +33 476 887 986
- +33 456 387 150
- +33 456 387 151

erca@univ-grenoble-alpes.fr

http://erca-school.eu



ORGANIZING COMMITTEE

Didier VOISIN, UGA, (Director), Sandrine ANQUETIN, Clotilde BONHOURE-EFFANTIN, Luc FAVRE, Isabelle GAUVIN, Joseph GERMIANO, Youlia MAZET, Alain SARKISSIAN.

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.

