

# 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.

28<sup>th</sup> session

JANUARY 12<sup>TH</sup> > FEBRUARY 8<sup>TH</sup>

Grenoble, FRANCE



## PROGRAMME 2020

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 12<sup>th</sup> > February 3<sup>rd</sup> **GRENOBLE**      February 4<sup>th</sup> > February 8<sup>th</sup> **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
- › Space weather and sun earth interactions

### POSTER SESSION (by the participants)

### PROJECT WRITING (by participants)

### VISITS & PRACTICALS

- › Laboratory of Glaciology
- › Weather radar
- › Coriolis platform
- › 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 7<sup>th</sup>, 2019**

▶ <http://erca-school.eu>

## CONTACT

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## ORGANIZING COMMITTEE

Didier VOISIN, UGA, (Director), Mathieu BARTHÉLÉMY, Clotilde BONHOURE-EFFANTIN, Luc FAVRE, Isabelle GAUVIN, Joseph GERMIANO, Stéphane LABRANCHE, Youlia MAZET, Alain SARKISSIAN, Jenny THOMAS.

## 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.