



# TERRA THEMATIC PROGRAM

## UGA Graduate School

### WHAT IS TERRA ?

We will train the next generation of natural resources managers, whether they are geologists, hydrologists, climatologists, sociologists or economists, to risks and opportunities in the energy transition in Europe. We will particularly focus on the social and environmental challenges associated with the energy transition, and will develop new tools and practices for gaining the Social Licence to Operate, for ethical sourcing and the traceability of raw materials, establish industry alliances as a key mechanism towards sustainable and secure supply of raw materials. Our general strategy will rely on strong disciplinary backgrounds in the master programs participating in the program, and provide hands-on interdisciplinary experiences, and the possibility of course exchanges to favor pluridisciplinarity

**The Graduate School program Terra gathers research labs and Master programs**

**Every master student belongs to a laboratory and performs a 2-year-long research work under the guidance of a research director.**

### Affiliated MASTER PROGRAMS

- > Earth Sciences (STPE)
- > Hydraulic and civil engineering(ENSE3 -INP)
- > History; society, environment, territories
- > Political Sciences: Ecological Transitions
- > Resources, Environments and Society (RESET)
- > Urban Planning and Management : Territorial Development and Transition



### Training through and for research

#### A FIRST PROFESSIONAL EXPERIENCE

The Graduate School program Terra provides opportunities to be immersed in a highly competitive scientific environment. It also gives students a first professional experience. From the beginning of their master, students become a member of a laboratory or research institute, take a full part to the life of the lab according to their time of presence, have access to high-tech facilities after having received appropriate training.

#### A FORMATION FOR RESEARCH

Students develop their research project during the three subsequent semesters, in parallel to course work, or full time.

At the end of the 2nd year, they are evaluated through the submission and defense of a Master Thesis.



## Admission & Curriculum

The Graduate School Terra is fully appropriate to students having completed a 3-years Bachelor's of science of Earth and Environment sciences.

Three-years Bachelors who have excellent academic results can also be admitted to the GS Terra

### SCHOLARSHIPS

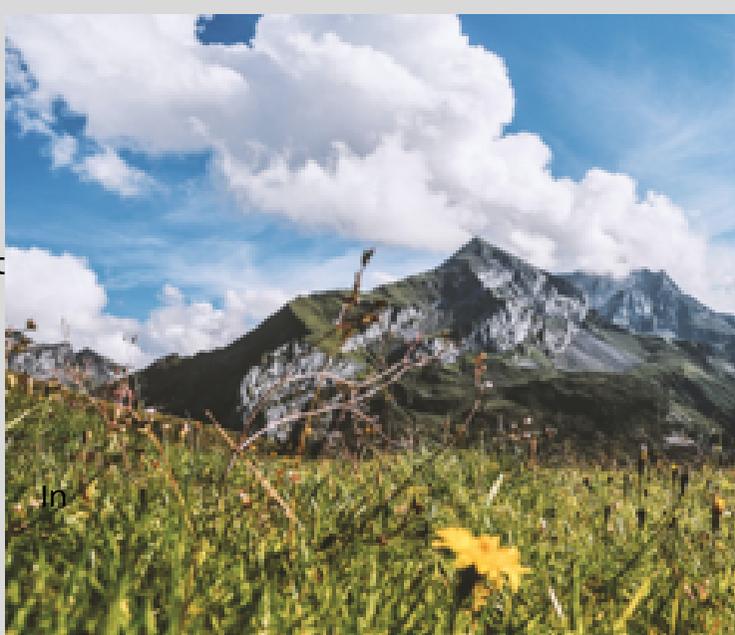
The Graduate School of UGA offers Masters scholarships on a competitive basis to students who have obtained their high-school degree outside from France and are enrolled in one of the Thematic Program of the GS

### INTERNSHIPS

During their research internship students receive a stipend of an amount set by the French law.

### INTERNATIONAL POSITIONING

- Ø International recruitment forum at the Bachelor's level,
- Ø All courses in English,
- Ø Participation to international field trips



In parallel to the compulsory courses of their respective master, students undertake their research project related to Environment, Raw Materials, Energy, and Society nexus.

They validate the Terra Thematic Program modules:

M1: "Field trip" (3 ECTS): 3 days along the Rhone river and the Massif Central Mountains to discover the environmental footprint of human activities (energy production, raw material extraction, urbanism)

M1: "Growth and Planetary Limits" (3 ECTS): The goal of this module is to introduce students to the energy and environmental issues raised by the modern quest for economic growth and to map out the potential of the ecological transition.

M2: "Environmental observatory" (3 ECTS): A 2 years long learning by doing research program, where student will be enrolled into environmental monitoring research activities.

M2: "Summer School: Mountains in a changing world" (3 ECTS): This innovative program brings an interdisciplinary approach to the complex question of how climate change in mountainous regions affects both humans and nature.

## LABORATORIES (UGA, CNRS, CEA)

- ISTERre
- IGE
- LECA
- PACTE
- LARHRA

### More information about Terra

Ø <https://www.univ-grenoble-alpes.fr/education/graduate-school/terra-1024213.kjsp?RH=1626702057626>

*Terra is part of the GS@UGA project supported by the French National Research Agency (ANR-20-SFRI-0007) under the "Investissements d'avenir" programme.*

