Research & training in the Earth sciences

École & observatoire des **sciences** de la **Terre** de l'**Université** de Strasbourg et du cnrs

training


Julien Simon

Undergraduate and graduate programmes

WORLD-CLASS TRAINING IN THE ENVIRONMENTAL SCIENCES

The Earth Sciences undergraduate degree provides students with in-depth training, preparing them for professions in geophysics, geology, geochemistry, environmental sciences, and astrophysics. The Earth, Planetary, and Environment Sciences Master's Degree prepares students for future doctoral studies or for professional placement in the energy, resources, risk-management, and environmental sectors.


EOST


Julien Simon

Engineering School

PREPARING FOR A FUTURE IN GEOPHYSICS

The EOST engineering school provides in-depth fundamental and practical instruction – including fieldwork and professional internships – in geophysics. More than 1,000 engineering degrees have been awarded since the school's creation in 1920. Unique in France for its specialisation in geophysics, the school trains professionals in underground surveying, natural hazards, and geotechnics.


EOST

The Doctoral School

PREPARING FOR A CAREER IN RESEARCH

All Earth science doctoral students – performing research as members of both EOST's laboratories - are enrolled in the Earth and Environmental Science Doctoral School.

research

EOST (the School and Observatory of Earth Sciences) is home to two CNRS / University of Strasbourg research units: The Strasbourg Institute of Earth Physics (IPGS) and the Laboratory of Hydrology and Geochemistry of Strasbourg (LHyGeS).

Strasbourg Institute of Earth Physics (IPGS)

Research at IPGS – Institut de Physique du Globe de Strasbourg – focuses on the solid Earth, through the observation and modelling of geological and geophysical phenomena. It also engages in more applied themes: the environment, natural resources, and risk assessment, particularly, seismic and landslide risks.


Frédéric Masson


Alexandra Kushnir


Sylvain Pilyraudeau

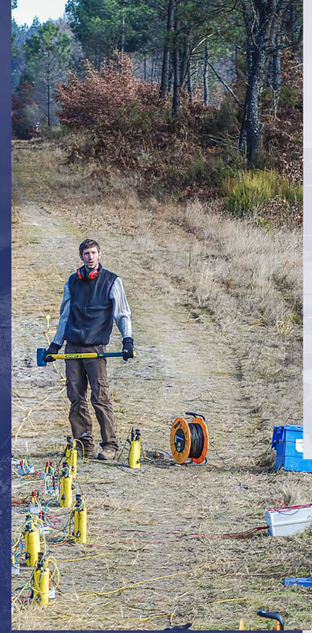
Laboratory of Hydrology and Geochemistry of Strasbourg (LHyGeS)

LHyGeS is dedicated to analysing and understanding hydrological and geochemical phenomena in natural environments. Its approach brings together the geosciences, environmental sciences, and engineering around the ultimate goal of constructing quantitative and predictive models.

Laboratory of Excellence in Deep Geothermal Energy

EOST directs the Laboratory of Excellence (LabEx) "G-eau-thermie profonde", a high-level research initiative that studies deep geothermal reservoirs and develops techniques designed to optimise the exploitation of this renewable resource.


Nolween Portier



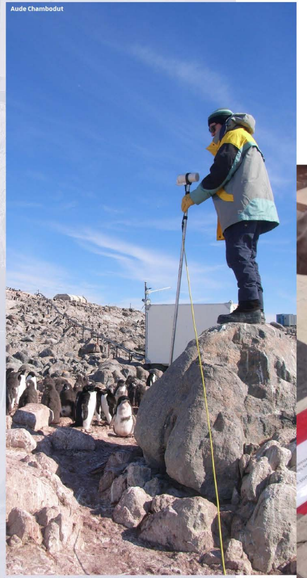

Christophe Sira

observation

EOST contributes to our knowledge of the Earth by developing and applying observational tools over extended periods of time, acquiring and disseminating data, and creating the tools and models needed to exploit these data.

EOST's observatory services cover numerous areas including seismology, geodesy, gravimetry, magnetism, slope stability monitoring, and environmental risks (e.g. the evolution of the critical zone). This work is bolstered by the strong relationship between the observatory and EOST's research teams and is completely integrated into European and international observational networks.


EOST


Aude Chambodut

outreach

Museum collections at EOST

EOST curates 2 museums – the mineralogy museum and the seismology museum – as well as a rich palaeontology collection. Scientific outreach officers from the Jardin des Sciences at the University of Strasbourg engage with academics and the wider public on Earth science topics, hosting several events throughout the year.

Participation in public science events

EOST's historical and scientific heritage, as well as its collections, are celebrated every year during the City of Strasbourg's Heritage Days and Museum Nights. EOST also takes part in the annual Science Festival and the international Mineral & Gem event.

Inspiring a new generation of earth scientists

EOST maintains strong links with elementary and high schools. Several class visits to EOST are organised every year and high school students are invited to participate in short on-site internships. EOST instructors visit schools to present post-secondary training opportunities and organise scientific events. The goal is to inspire a new generation of students to consider a career in the Earth sciences.


Collection universitaire


Musée de minéralogie

Scientific communication and the media

Our world-class teams of researchers are always ready to speak to journalists and the media about their research and on-going natural phenomena.

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