

+ DIFFUSION OF SCIENCE

Museum of mineralogy —

The collection of the museum of mineralogy hosts more than 30 000 international samples of minerals and meteors. Many of the most beautiful pieces are frequently exposed in France and abroad. The museum is situated in a historical monument of EOST, built at the end of the 19th century.



Museum of seismology —

The Museum of seismology and terrestrial magnetism, located in the former seismological station of Strasbourg, inaugurated on the 1st of July 1900, displays instruments for geophysical measurements and their evolution throughout history.



SCHOOL AND OBSERVATORY OF EARTH SCIENCES

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Events —

EOST regularly participates to general audience events, highlighting its historic and scientific legacy.

Photos :

- Tidal deposits of the Eocene of Dur at Talah (Sahara desert, Libya), M. Schuster
- Outcrops of Nubian Sandstones (Sahara desert, Libya), M. Schuster
- Field trip on coastal geology and geomorphology (Normandy-Brittany), M. Schuster
- Surface rupture of the December 4, 1957, magnitude 8.1 earthquake (Bodg fault, Mongolia) A. Schlupp
- Sample preparation in a clean room (LHyGeS), D. Lemarchand
- GPS station of the geodetic observatory in Markstein (Vosges)
- Stibine and stibiconite, Siena, Italie. Musée de minéralogie, D. Leybold
- Cambridge dip inductor, magnetism collection

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SCHOOL AND OBSERVATORY OF EARTH SCIENCES

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EOST is an institution under the supervisory authority of the University of Strasbourg and the CNRS (French National Center for Scientific Research) in charge of education, research, observation in Earth Science and its diffusion. Situated in two buildings located on the central campus of the University of Strasbourg, EOST consist of more than 160 permanent employees among its staff

+ EDUCATION

EOST is responsible for the education in Earth Sciences of about 400 students, offering an engineering school diploma as well as a bachelor degree and a master degree. Training is built around theoretical and field courses relying on a strong relationship with research and industry.

Engineering school —

EOST has trained around 1000 engineers since its inception in 1920. Leading to careers in exploration of subsoil resources, geotechnical and natural hazards ; EOST is indeed unique in France for its specialization in geophysics.

Bachelor degree —

The Bachelor degree in earth, environmental and universe sciences gives students a solid education in geophysics, geology, geochemistry, environmental sciences and astrophysics.

Master degree —

The Master degree students can either pursue in a Ph.D or join the professional world.

Ph.D —

Ph.D. students work within the doctoral school of Earth, Universe and Environmental Sciences, relying on a strong connection with the EOST research units.



EOST is the leader of the «laboratory of excellence» G-eau-thermie profonde project aiming to initiate a new research center for deep geothermal energy. Improving the knowledge of deep geothermal reservoirs and developing techniques are the main goals for the exploitation of this sustainable resource.

+ RESEARCH

EOST hosts two research units: the Institute of Physics of the Earth of Strasbourg IPGS and the Laboratory of hydrology and geochemistry of Strasbourg LHyGeS.

IPGS —



Once dedicated to more general scientific topics, research at IPGS is currently focused on the comprehension of geological and geophysical phenomenon as well as applied sciences: environment, natural resources (energy, water) and hazards (seismic risks, landslides).

LHyGeS —

Since its beginning in 2009 by the gathering of 3 research teams, the LHyGeS is dedicated to the analysis and the understanding of



EOST is involved in the REALISE network (Réseau Alsacien des Laboratoires en Ingénierie et Sciences de l'Environnement) and also provides leadership and administration. This network sets out to structure regional environmental research.

hydrological and geochemical phenomenon in natural environments. This unit focuses on the construction of quantitative and predictive patterns, through an approach combining geosciences, environmental and engineering sciences.

EOST is involved in Equipex («Equipment of Excellence») projects in geophysics (RESIF-CORE), in environmental sciences (Critex) and in gravimetry (Miga). Our Equipex projects aim to build tools at the forefront of scientific research.

+ OBSERVATION

EOST is an Observatory of Universe Sciences (OSU).

As an observatory, EOST is dedicated to the advancement of knowledge in Earth Sciences through the acquisition of observational data and the development and use of the theoretical tools needed. Monitoring of natural processes of the Earth is one of its objectives.

Various themes are developed in the hosted observation services:

- seismology
- geodesy
- gravimetry
- magnetism
- environmental sciences

Observatory services benefit from strong relationships with researchers and international networks.

