


# UE Solid Earth and the atmosphere, hydrosphere, biosphere (2023-2024)

 ECTS  
3 credits

 Component  
UFR PhITEM  
(physique,  
ingénierie, terre,  
environnement,  
mécanique)

 Semester  
Automne

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX7SRAJ

## Presentation

### Description

The objective is to provide an overview of the coupling between the solid Earth (the geosphere) and the external spheres (hydrosphere, atmosphere, cryosphere, biosphere), and to understand the physico-chemical processes that are at work. The behavior of these spheres is examined in the context of the Earth System (and not independently of it).

This course is based on a reversed pedagogy, i.e. the courses are prepared by the students beforehand in the framework of tutored projects.

### Course parts

UE Solid Earth and the atmosphere, hydrosphere, biosphere - TD	Tutorials (TD)	6h
UE Solid Earth and the atmosphere, hydrosphere, biosphere - CM/TD	Lectures (CM) & Teaching Unit (UE)	15h

# Useful info

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## Campus

› [Grenoble - University campus](#)