UE3 Geology and geochemistry of Earth sedimentary environments (in English)

Niveau d'étude
BAC +5

ECTS
1,5 crédits

Composante
UFR Sciences
Vie Terre
Environnement

Présentation

Description

The study of sedimentary archives makes it possible to constrain the evolution of the Earth's environments over various geological time periods. In particular, the tools of petrology, sedimentology, stratigraphy, mineralogy, palaeontology and geochemistry make it possible to reconstruct the evolution of the climate, of ocean circulation and chemistry, of the chemistry of the atmosphere and the biogeochemical cycles and to obtain an integrated vision of the Earth system that can feed system Earth numerical models.

TD intégré :

Sedimentary archives of Earth system paleoclimates.

Geochemistry of environmental changes through Earth History.

Objectifs

Mastering and mobilizing the fundamental concepts in paleoclimatology and reconstruction of marine and terrestrial paleoenvironments.

Analyzing and interpreting scientific data in English (or/and French).

Applying the concepts of sedimentology, stratigraphy, mineralogy, elemental and isotopic geochemistry, biogeochemical cycles and time series to the study of Earth history.

Heures d'enseignement

TD	Travaux Dirigés	50h

Pré-requis obligatoires

M1STPE or equivalent Master 1 degree

Infos pratiques

Campus

- Campus de Dijon