UE Mineral Resources and Sustainable Development

Niveau d'étude
Bac +5

ECTS
3 crédits

Composante
UFR Physique, Ingénierie, Terre, Environnement, Mécanique (PhITEM)

Période de l'année
Automne (sept. à dec./janv.)

Diplômes intégrant cet élément

- Master Sciences de la terre et des planètes, environnement

Langue(s) d'enseignement: Anglais
Ouvert aux étudiants en échange: Oui
Code d'export Apogée: PAX9GRAM

Présentation

Description

This teaching unit will introduce the students to the new opportunities for mining exploration in Europe. In the current environment of high-metal demand and exhaustion of historically important metal resources, different sources of metals and technologies to extract metal will have to be found: mining deeper primary mineral resources, using new type of ore, or returning to recover extractable minerals from abandoned mines. The idea of this unit is to train students to identify such sustainable opportunities using complex sets of geological, historical, geographical, and economical data. Innovation in data visualisualization and integration will be of prior importance. We develop a new pedagogic approach based on an educational crowd-sourcing contest. The students will work co-operatively on an unstructured problem, without a pre-ordained “right” answer, where they will hone both their university-acquired or self-taught skillsets into application that the minerals exploration industry requires. We aim at strengthening MSc students creativity, entrepreneurship and skills for the sustainable development of mineral resources in Europe. We train the next generation of mineral resource managers (not only geologists) to develop new active environmental and societal strategy for sustainably harnessing mineral resources in Europe

Informations non contractuelles.
Dernière mise à jour le 30 juin 2026

Heures d'enseignement

CMTD	Cours magistral - Travaux dirigés	21h

Période : Semestre 9

Infos pratiques

Campus

Grenoble - Domaine universitaire

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