



Fiche UE 22-23

Intitulé de l'UE 2022-23	Volcanic Observatory Fieldtrip
Nom du responsable de l'UE	Komorowski Jean-Christophe
Equipe pédagogique	Guillaume Carazzo
Cycle	Master

Résumé du programme

- Field trip in collaboration with researchers and engineers from the observatories of Lesser Antilles (OVSG- OVSM).
- The aim is to become familiar with the geologic history and eruptive behaviour of an active volcano (geodynamic context, structural and volcanological evolution of the volcano, eruptive dynamics), the different multiparameter monitoring systems available, and how this knowledge is used to support scientific crisis response and public policy for risk prevention.
- This is achieved through field trips visiting geological outcrops and active areas on the volcano, participations to monitoring observations with staff from the observatory, discussions at the observatory, scientific presentations, comments on different scientific papers on the volcano's history and behavior, its geodynamic context, and analog volcanoes.
- It is implemented on La Soufrière de Guadeloupe, (Lesser Antilles), one of the active volcanoes monitored by IPGP, alternating with Montagne Pelée, Martinique (Lesser Antilles).

Compétences visées

Understanding the behavior of subduction zones and active volcanoes

- knowledge of volcanic processes, edifices, deposits and associated eruptive styles
- Knowledge of volcanic hazards and risks
- Knowledge of the instrumentation for monitoring of the volcanoes and of the role of French volcanological and seismological observatories
- Knowledge of the modelling and assessment of natural hazards and risks and the role of science in providing advice to authorities in charge of civil protection and risk reduction

Pré-requis

Taking the course : « Volcanic Systems »

Nombre ECTS 3

Volume horaire / étudiant

Volume horaire TP/Terrain 70

TOTAL Volume horaire de l'UE / étudiant 70

Modalités de Contrôle des Connaissances et des Compétences (MCCC)

Session 1

100% CC

NON

Si 100% CC, combien de CC ?

30 % CC et 70% ET pendant le stage

100% ET

NON

% CC

30

% ET

70

Session 2