



## Morocco, Kingdom of the young geologist!

Franck Bouttemy

Lycée Français Descartes, Rabat, Maroc

The Kingdom of Morocco is a country of 33 million people where about thirty French schools enroll 32,000 students including a majority of Moroccans. The Rabat Center includes several institutions enrolling 5,700 students aged 10 to 18 years old whose High School René Descartes is directed by the A.E.F.E, "Agency for French Teaching Abroad".

Sixteen professors teach S.V.T. "Sciences de la Vie et de la Terre" that focuses on biology and geology. The programs involved are French but the biology-geology colleagues seek to place the teaching of geology in the context of Morocco through the choice of Moroccan examples. (<https://sites.google.com/site/aefesvtmaroc/>)

Morocco's geology lends itself to this approach!

The laboratory is equipped with a seismometer in the network "Sismos to School" ([https://sites.google.com/a/lycee-descartes.ma/rabt\\_sismo/home](https://sites.google.com/a/lycee-descartes.ma/rabt_sismo/home)) and we have the equipment necessary for making thin sections of the Moroccan rocks for practical work on a polarizing microscope.

We organize several field trips:

On a half-day in the region of Rabat, 12-year old pupils of "5ème", learn about reading the landscape and studying sedimentary rocks such as marls and sandstones.

On a 3-day excursion in the region of Azrou, the 16-year old pupils of "première scientifique" study the tectonic context of formation of mineral resources.

A 2-day trip in the region of Oulmès, the 17-year old pupils of "terminale scientifique" (the last year in the French system finishing with the "baccalaureate") study continental crust, tectonics and geothermal energy.

These field trips will be presented in this poster. Students make field studies: observation, testing, photography, drawing and taking notes. Some works are evaluated during the field trip, others are the subject of home work: preparing a slide show, an audio recording work...