



Embark students on geosciences expeditions, across the oceans ...

Marion Burgio (1), Michele Darrieu (2), Agnes Pointu (3), Patricia Maruejol (4), and Sharon Cooper (5)

(1) Lycée Louis Barthou, France (marion.burgio@gmail.com), (2) Lycée français de Bruxelles, Belgique (michele.darrieu@lyceefrançais.be), (3) Lycée Louis de Broglie, Marly-le-Roi (agnes.pointu@gmail.com), (4) ECORD Outreach, CRPG-CNRS, (5) Lamont Doherty Earth Observatory/Columbia University

As teachers we can live and share a fabulous experience of science and research on the scientific drilling vessels and platforms of IODP-ECORD and JAMSTEC consortiums.

ECORD offered us the opportunity to embark on the IODP 359, 360 and 362 expeditions as Education Officers. Our task was to communicate about science with the general public and students from 7 to 25 years-old.

In this presentation, we will focus on the 360 expedition, South West Indian Ridge-lower crust and Moho. We explain the three steps of the “teacher at sea” experience from the very first idea to the real pedagogical work during and after the expedition.

-Apply, get ready and leave... for two months:

From the difficulties you may encounter to the most efficient ways to prepare the pedagogical tasks.

-Work, live onboard and get back:

We will describe the main activities of the Education officers among the Science party and the way all this can become a highly changing-life experience.

-Use data, share and inspire:

We will detail some strategies we used to catch the attention of the students. They could participate to “live” science and have a better idea of the job of researcher. Now, we have to inspire others teachers to use our data and pedagogical documents, or to get the opportunity to embark !

What gets out of these crossed experiences is that the quality of the human relationships, and the way the students can get closer to the scientists during the interactions, are the keys to motivate students and give them a new vision of the scientific research.