



A teachers' program during the AMOCINT cruise of the Marion Dufresne

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With the support of the French Polar Institute (IPEV) and of the European Geosciences Union (EGU), a program for High School teachers was conducted along side the scientific work on board the Marion Dufresne, during the MD168 AMOCINT, IMAGES-XVII cruise. 5 teachers from France, Norway, Portugal, Spain and the United States of America were invited to participate to the cruise.

The objectives of this cruise, to survey and core sites for sampling of high sedimentation rate interglacial sections at key locations for monitoring Atlantic Meridional Overturning Circulation (AMOC) variability, were particularly well suited to introduce the teachers to one of the major factor affecticting the world's climate.

On board the teachers were fully immersed in the scientific work, participated to regular shifts, were involved in everystep of the process of obtaining the cores, opening and labeling them, archiving and measuring some of the physical parameters and finally sediment description. They also sent regular message to shorebased participating teachers. During transit times, regular conferences were given by the scientist on board on the different aspects of the climate changes investigated during AMOCINT.

Most of all, taking advantage of the large amount of sediment collected by the CASQ corer of the Marion Dufresne, part of the sediment was reserved for the schools. With the help of the scientists on board, simple instructions were written on how to excraft foraminifera from the sediments, how to identify the clearest warm and cold species, so that the teachers are able to repeat this experiment in their classrooms and will be able to show that at any particular site there have been significant climatic fluctuations in the past. This should bring authentic sciences in the classrooms.