

## Erasmus+ meeting in Évreux from 29.09. – 07.10.2016

On the 29th September we began our trip at the Johanna-Wittum-School to Évreux, France. After a 3 hour ride we made a break in Verdun, where exactly 100 years ago the First World War was decided. We arrived in Lycée Leopold Senghor at 19:30 after a long traffic jam in Paris, where we were greeted by the host families and teachers. On Friday we began our preparations for the lab work with all the mentors from Germany and France. In the afternoon some people started to exercise their presentation with their mentor partners. On Saturday the first pre-exercises were started to learn all the hints and tricks of the experiment.



After a successful day we went to our host families to spend the rest of the weekend with them. With the arriving of the other students on Sunday evening the real meeting started. After the opening ceremony with a speech from the headmaster of the school the lab work started. Target of the lab work was to win electric energy out of waste paper. The different steps were: enzymatic hydrolyses, anaerobe fermentation, separation of ethanol and water via distillation and electrification of bioethanol in a fuel cell. During the hydrolyses and the fermentation the glucose- and ethanol concentration were photometric determined. First we build the fermenters of the other countries, shredded the paper and finally started the hydrolyses.

On Tuesday we filtrated our hydrolysate and put it with yeast in the fermenters. In this process it is necessary to work under anaerobic conditions, so that the yeast produces ethanol.

On Wednesday our task was to distillate the solution out of the fermenter to separate the ethanol from water. After that we put the ethanol in a fuel cell to propel a motor. After the following presentations of the results from the different work groups, we were welcomed by the mayor in the city hall in Évreux.

On Thursday we visited monuments in Paris e.g. Sacré Coeur and the Eiffel tower.

The last Friday we made a trip to a cheese factory in the Normandy and went to the Jeanne d'Arc Museum in Rouen. The closing ceremony began after the last dinner. As the highlight the Greek students taught us the „Sirtaki“ dance. Unfortunately we needed to say „Goodbye“ and now we look back at a wonderful week.

