

Workshops Erasmus
team in Institute of
Geography and Spatial
Management at Jagiellonian
University.



On Monday, 9th December at 7 a.m. we set off from Gorlice to Kraków with Mr Sławomir Deda and deputy headmaster Mr Robert Góra for soil workshops organised as a part of the programme Erasmus+. Our destination was Institute of Geography and Spatial Management at Jagiellonian University.



When we arrived there, we saw the skeleton of the dinosaur named „Smok wawelski” (Wawel Dragon), which had lived in Poland millions of years before.



Next we were divided into two groups and we went to the laboratory. We were comparing rocks and silt taken from different parts of the river. In the same laboratory we examined samples of our hair with a microscope.



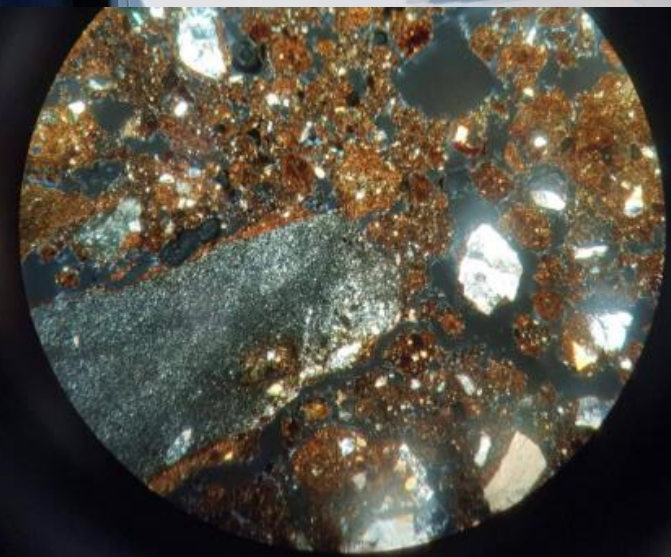
Our next task was to count the age of the tree based on the number of growth rings from the root sample. We learnt how to recognise the period when a root was underground and overground.



A group of people, including students and a man in a red hoodie, are gathered in a room. A woman in the center is holding up a smartphone to take a photo or video. The room features a large wooden structure, possibly a wind tunnel, and a yellow and black caution tape. In the background, there are grey lockers and a whiteboard.

After that, we visited room with a wind tunnel used to, for example, examine the way of sand transportation by wind.

Next, we went to the soil laboratory to start the second part of the workshops. With the help of special filters we could watch microscopic slides of minerals.





Then our lecturer - Mr Mateusz Stolarczyk - gave us a short speech on soil pollution and we did an experiment to detect phosphates. We also learnt about eutrophication and soil pollution by heavy metals.



Our next step was comparing soil samples from different parts of the world using Munsell Hue Test. We were surprised when we heard how much it costs!





At the end of the workshops we could see devices which examine soil pollution by infrared radiation and diamond as well as ones which split soil into separate particles using ultrasound.

After the workshops we had half an hour of free time to look around the Institute. Before we went back home we had gathered near the solar clock. Mr Deda and Mr Góra explained how it works. We also took a group photo.

