

The background is a dark, textured surface with faint, light-colored chalk-like drawings. These include a large 'V' in the top left, a globe in the top center, a microscope on the left side, a stack of books at the bottom left, a cross in the bottom center, an open book with handwritten text at the bottom center, and a large percentage sign and other symbols on the bottom right.

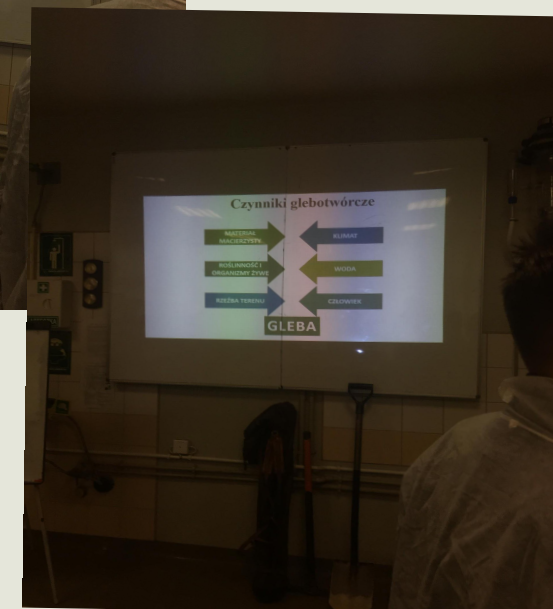
Pedological workshops at the Jagiellonian University

13.03.2019, Cracow



On 13th March, our Erasmus team went to Cracow to the Jagiellonian University to deepen our knowledge about soils.

First, we saw a presentation about soil, its structure, soil-forming factors and soil science research.



Then we were shown round different rooms, where samples are prepared.

Drying soil room



Laboratory where samples are prepared for analysis.



Sample storage room



Here the ultimate analysis is performed, for example organic matter or mineral content is checked.



Laboratory of soils, rocks and sediments micromorphology
(here are made thin microscopic slides of soil (also rocks) hardened with resin, ground to transparency, allowing its micromorphology to be examined)

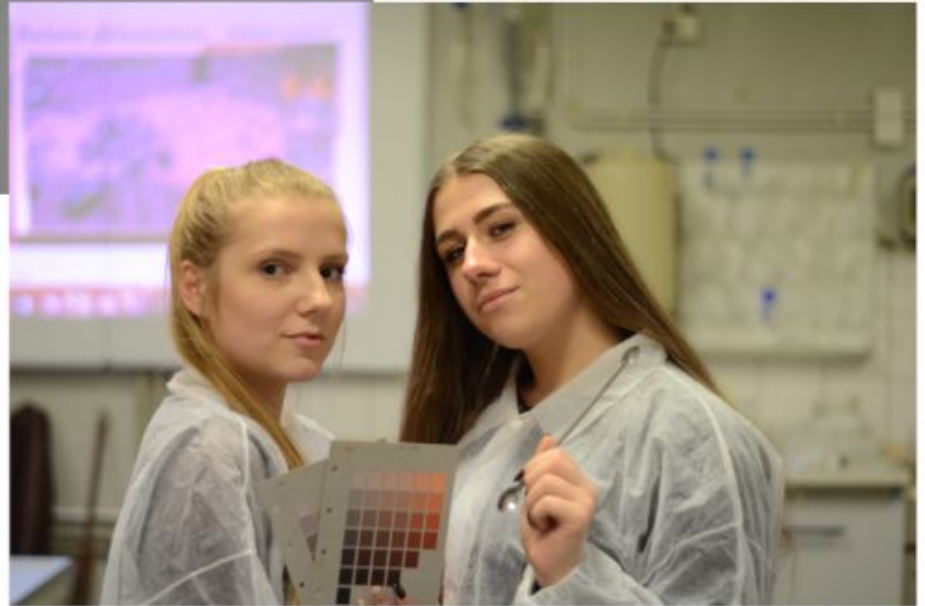


When we finished watching the rooms, we went to the proper laboratory and started the practical part.

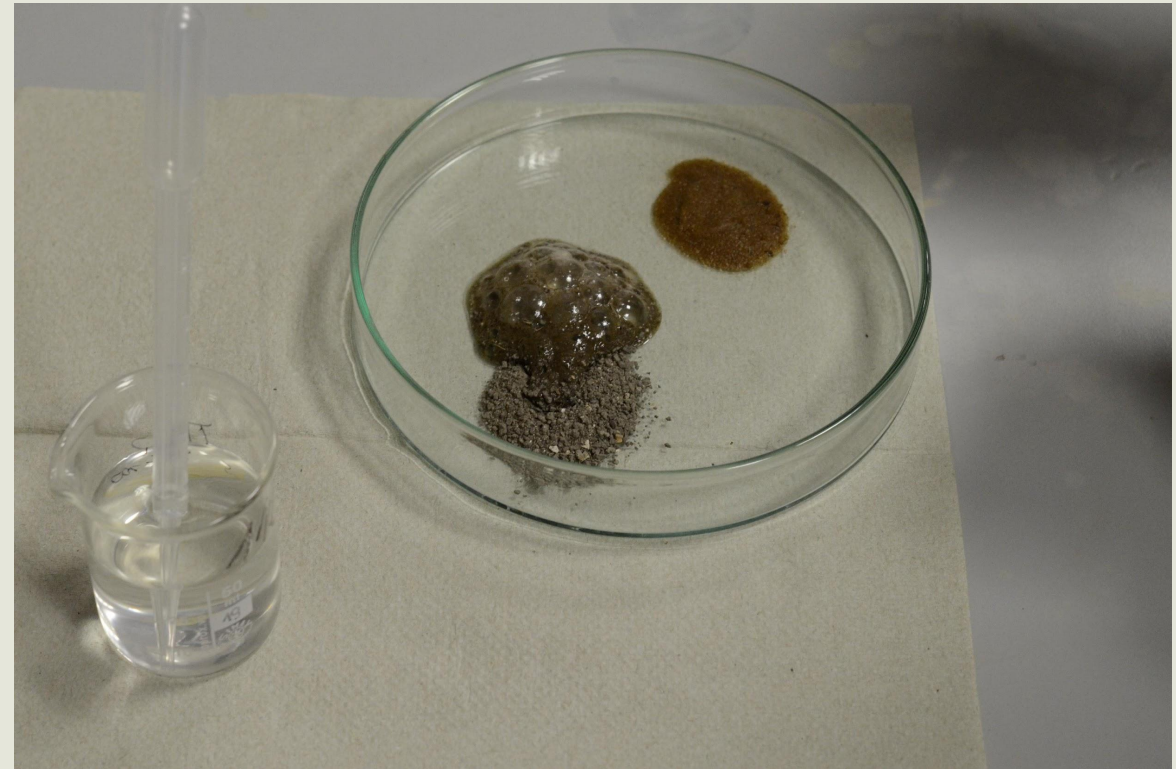
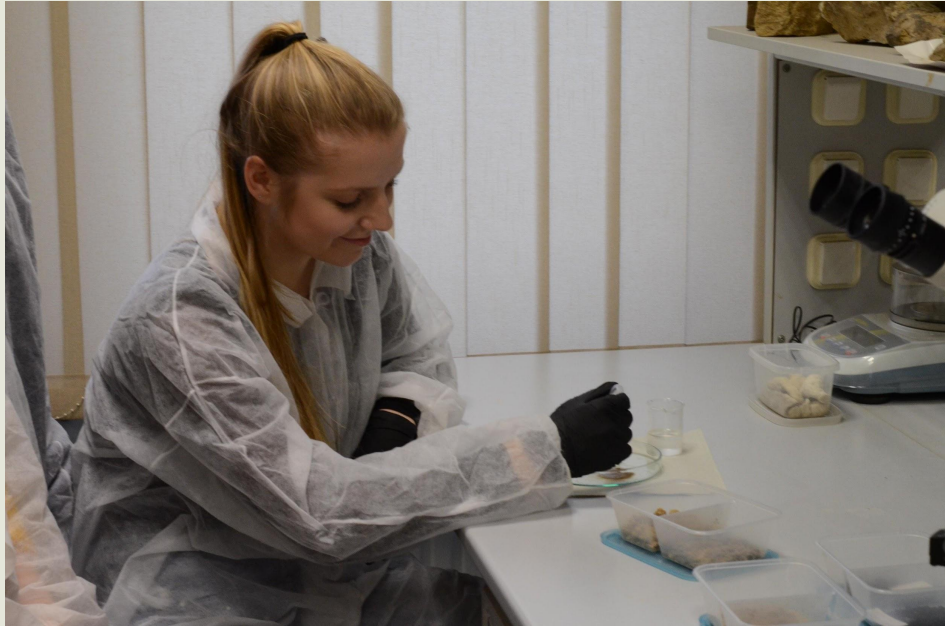




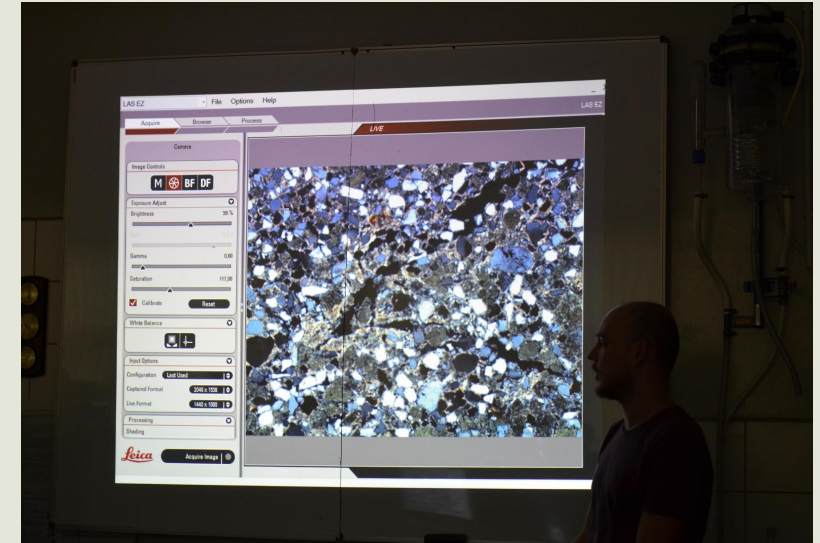
Each group used the standard soil colour charts, decided the colour of the soil from Turkey.



We carried out chemical experiment - detection of calcium carbonate.
If we pour hydrochloric acid over the soil sample and it foams, it means it contains calcium carbonate



At the end we checked the soil content with a microscope.





Presentation made by: Damian Sowa



Photographer:
Wiktor Tenerowicz



Erasmus+

