

JUNIOR ECO-EXPERT PROJECT



12th JUNIOR ECO-EXPERT PROJECT

Tokaj, Hungary
30 may - 4 june 2010

„Environment in Tokaj”

Höhere Lehr-Anstalt Umwelt u. Wirtschaft, Yspertal, [A]

SOŠ pro ochranu a tvorbu životního prostředí, Veselí nad Lužnicí, [CZ]

Ferenc Gimnázium Szakközépiskola és Kollégium, Tokaj, [H]

Zespół Szkół Ponadgimnazjalnych nr 1 im. Władysława Szybińskiego, Cieszyn, [PL]

The students from our partner schools in Tokaj, Veseli nad Lužnicí, Yspertal and Cieszyn met in Hungary at the 12th Junior Eco Expert Project. The host of the Project, which took place from 30th to 4th June, was the Tokaj Ferenc Gymnasium.

The students examined the state of the environment in Tokaj. They worked in six international groups and dealt with the following topics:

1. **Measuring immission in Tokaj** with the measuring car of the Inspectorate for Environment . The students divided into four teams recorded the number and types of vehicles passing designated points in Tokaj at different times of the day. The intensity of traffic was compared with the data taken by the measuring car of the Inspectorate for Environment. The levels of CO, NO_x, SO₂, O₃ were registered. Next, the students in two teams examined the impact of those gases on living organisms as well as building and construction materials.



Working outdoors Analysing the results

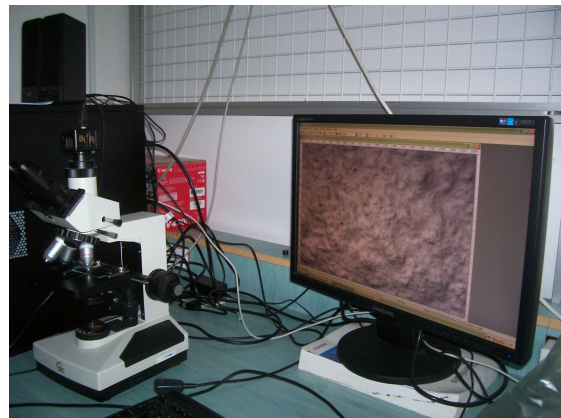


2. Measuring noise - making the noise map of Tokaj, a sonometer was used for the measurements.



3. Dust pollution (floating dust), measuring the dust pollution in Tokaj.

The students used two methods to examine the concentration of dust in the air. One of them was using greased microscope slides, which were placed for a certain time in several different locations in Tokaj. Next, the dust particles were counted under the microscope connected to a computer. The results were compared with the data collected by a measuring device – "Micro dust pro instrument".



Working outdoors and using the microscope



Two methods of measuring dust pollution

4. Counting the passing vehicles.

The students recorded the intensity of traffic in Tokaj at different times of the day, under different weather conditions and according to the nationality. Bicycles, cars, trucks, trailer trucks, semi-trailer trucks, motorcycles were counted. The number of cars passing through Tokaj, a town of six thousand inhabitants, is significant.

5. Water quality, the effects of the wastewater treatment plant in Tokaj on the river Tisza.

The group visited the water supply station supplying water for Tokaj, neighbouring towns and villages and a water purification plant, where they learnt about methods of removing nitrogen compounds from water.

6. Waste load, on the data of the waste management plant in Bodrogkeresztúr .

The group examined the issue of waste segregation and utilization. The students visited the waste management plant in Bodrogkeresztur.



Apart from doing the research and analysing the data the students had an opportunity to participate in a very interesting afternoon and evening programme, including a lesson of Csárdás, a boat trip on the river Bodrog, sports competitions, a visit to a vineyard with 400 old wine cellars and wine tasting.



The Eco Project is also an excellent opportunity to test one's language skills. The students presented the results of their research at the closing ceremony in English – the official language of the Project.



Mateusz is presenting the results of the research



Each school presented a cultural programme

The Head teachers from the partner schools and Mayors or representatives of town councils were present at the closing ceremony



A visit to Budapest on our way back to Cieszyn

Agata Klus and Małgorzata Waclawik-Syrokosz.