

## **Analysis of the survey about soil**

We interviewed the 8th and 9th grade students. Most of them identified water (99%) and soil (86%) as natural sources. Students are well aware of the basic composition of the soil but less so of pedogenetic factors that influence the formation of soil. They mostly mistakenly claim that the formation of soil is also affected by fertilization. Students know that limestone is the most common rock in Slovenia (94%) and they have correctly identified the brown soil as the most common (78%) in their home environment; as well as the red soil (16%).

72% of the students have correctly identified soil functions. 20% of those believe that the soil enables food production, 11% recognize the soil as a water filter, the same percentage considers the soil as a water collector, and 6% of students know that the soil enables the decomposition of matter and organic material.

Most students recognize the pH meter as a soil analysis tool, only 19% of them did the same for distilled water.

Students mostly recognize the agricultural importance of soil (91%), its transport value (62%), whereas they consider it to be irrelevant industry-wise(28%).

20% of students acknowledge the industry as a source of soil contamination, 11% also include agriculture. 7% find traffic and construction most damaging. Only 1% is of the opinion that the soil is also endangered by deforestation and erosion.

More than half of the students know the meaning of sustainable agriculture. The prevailing opinion about what is needed for someone to become a farmer is that a person has to be the owner of the agricultural piece of land and grow some crops on it. A very small percentage of students think that a farmer needs to be educated.