



Education and Culture DG

Lifelong Learning Programme

Bioindication of Soil Quality



European Union
Comenius
Multilateral School Partnerships Project
"Greener World"



France



Spain



Italy



Portugal



Poland



Slovakia



Turkey

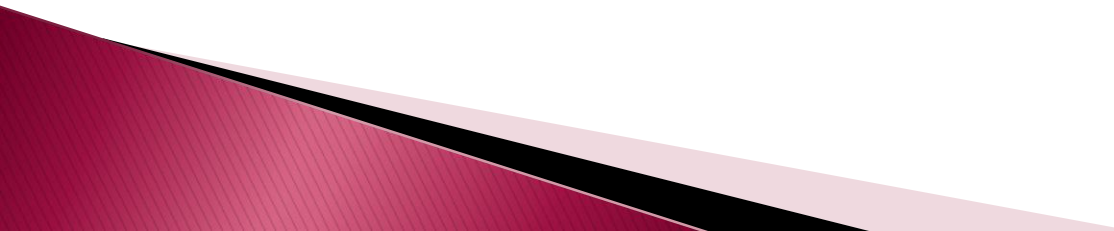
26/11/2014, Nováky

Aims of the measurement:

Studying and applying the bioindication method in the surrounding of our school.

Principle of the method

The plants have different needs for:

- light
 - temperature
 - humidity
 - reactivity
 - nitrogen content
- 

Principle of the method:

The balanced composition of the plants on each sampling site can be used for determination of soil quality.

Step by step...

First step:

- ▶ The short theoretic introduction, general information about composition of the soil.

Step by step...

The work in the terrain has been oriented to sample of the soil and the plants.



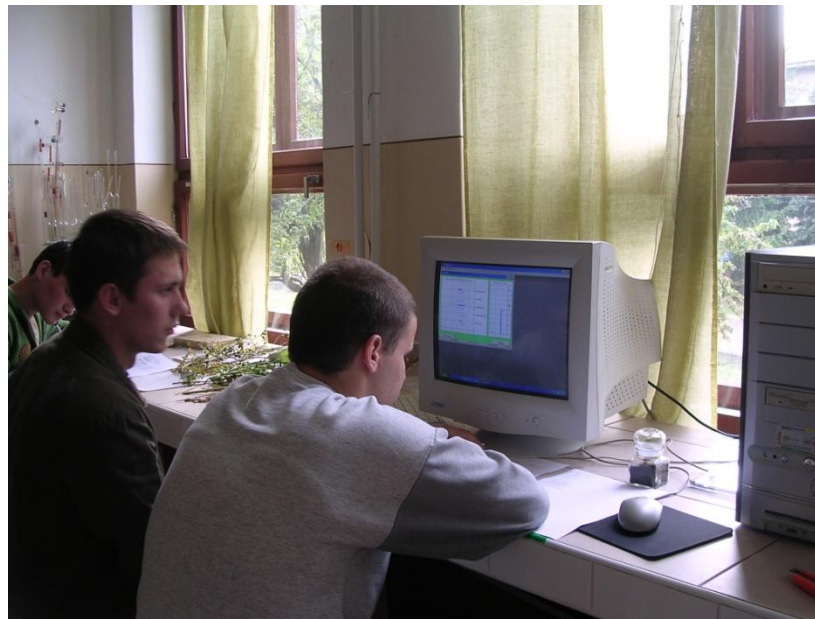
Step by step...

The plants were determined in the next step.



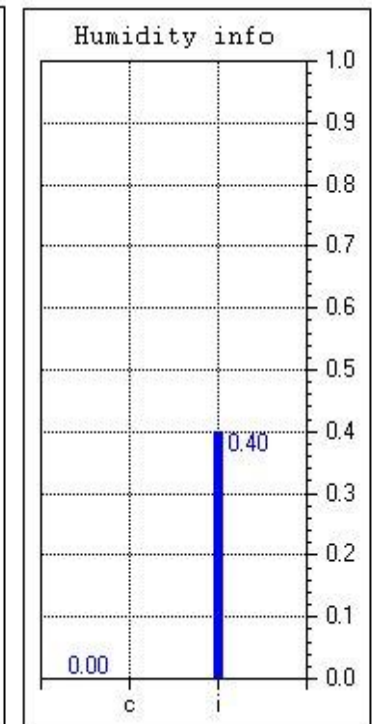
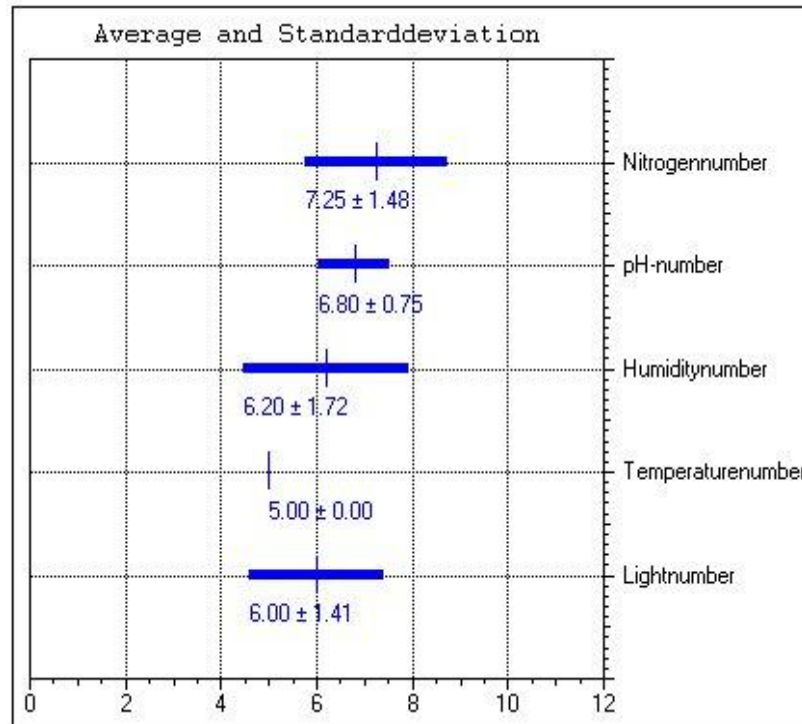
Step by step...

The computer programme was used for the data evaluation:



Step by step...

We received following diagrams of each sampling site:



Step by step...

We realized several analysis of the samples in the lab.



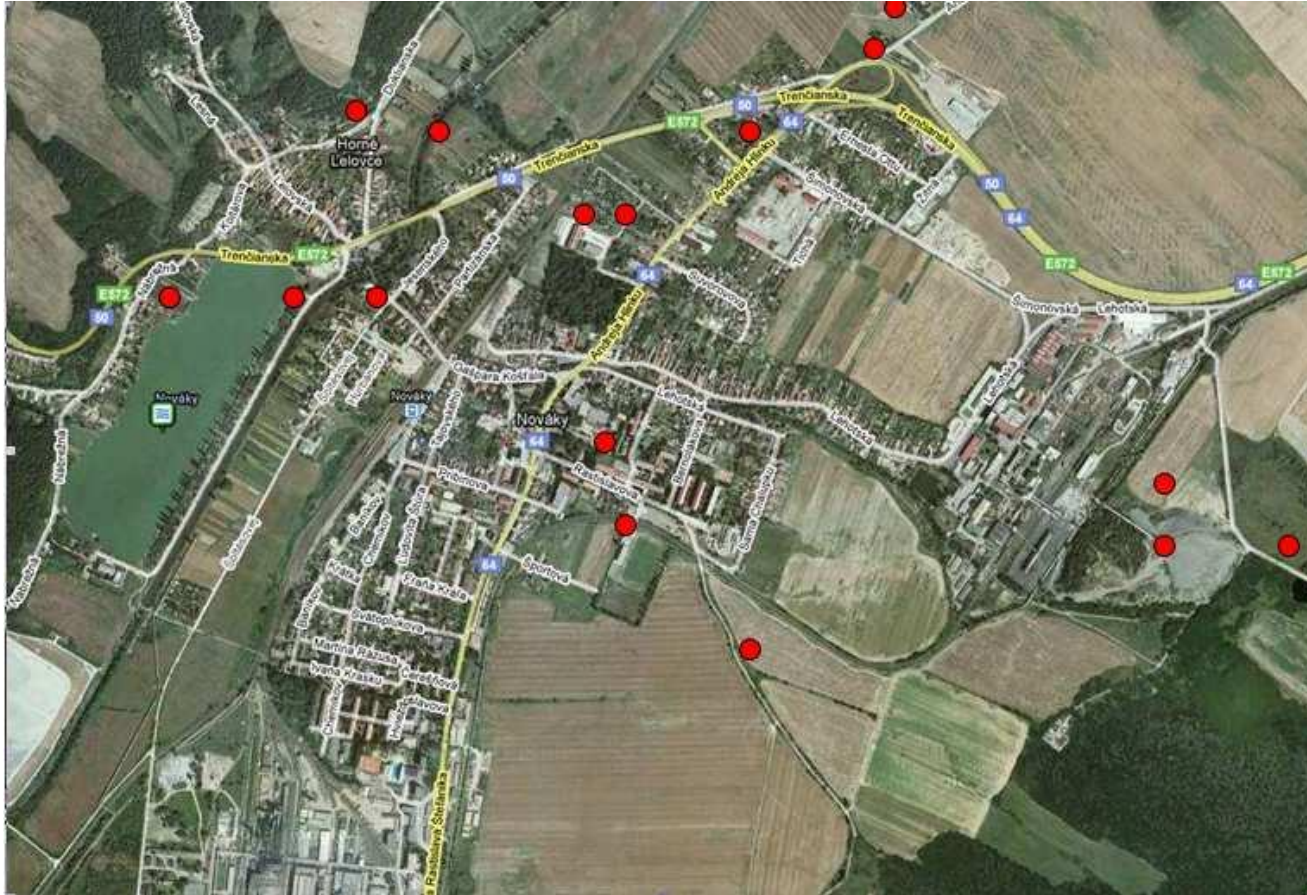
Results:

The bioindication and the chemical analysis were compared for 16 soil sampling sites.



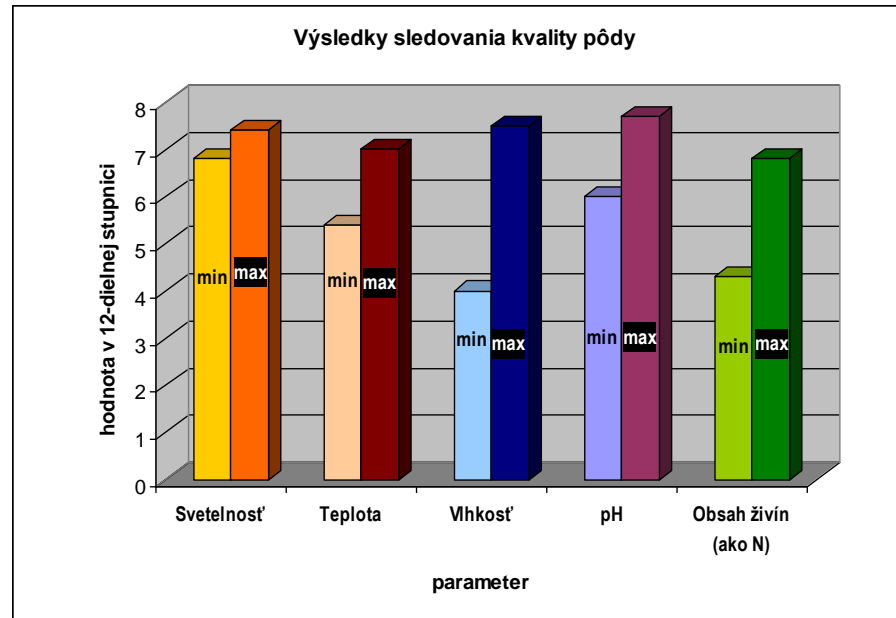
Results:

Map of the sampling sites



Results:

The soil quality at the sampling sites was different



Thank you for your attention