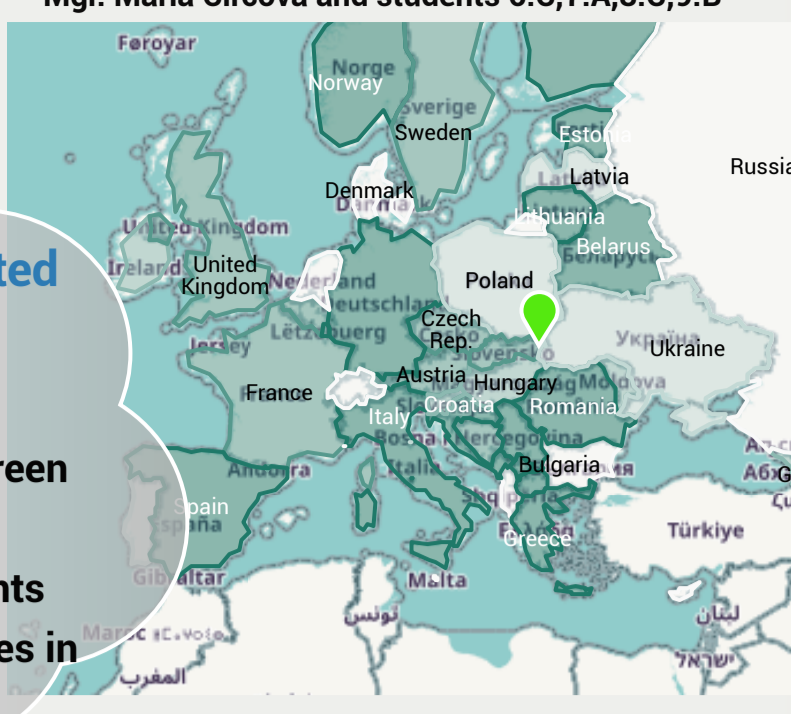




Základná škola Májové námestie 6639/1, Prešov 08001
 Mgr. Mária Čirčová and students 6.C,7.A,8.C,9.B



Our research was conducted in three stages:

- Stage 1 Acquisition and refurbishment of Stevenson screen or instrument shelter
- Stage 2 start of measurements
- Stage 3 environmental activities in our school

Stage 1



It was necessary to clean the moss and dirt along with the renovation of the Stevenson screen surface

Before Renovation process

After



Start of sandblasting

Painting

After sandblasting

Stage 2



Start of measurements

Place description:

School name: Primary school Májové námestie 1 Prešov
Class: 6.C, 7.A, 8.C, 9.B
Date: 21.5.2024
New site
Name of the site: New meteorological station
Geographical coordinates: GPS
 - Latitude: 48,98664 N
 - Longitude: 21,27028 E
Altitude: 893 m above sea level.
Obstacles: apartment building, trees, bushes...
Slope gradient: east.

Tree height measurements near Stevenson screen



distance from tree x tg of the angle from the clinometer

+

eye level of the observer

=

tree height 4,58 m

Conclusions and assumptions

- we want to monitor air temperature, humidity, and possibly later precipitation
- can affect our measurements: trees reduce the temperature, buildings that shade...



Stage 3

- cooperation with SHMÚ, lecture at our school, visit to their place in Košice
- provision of instruments, snow measuring rods
- enviromental activities as a bulletin board, chromatography- butterflies, sparkling letters and other activities, Earth day, Open school day, visit museums and observatory in our town, Science day...

