Fall asleep of birches at Otrokovice and Bieruń

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Cooperating schools

Primary and secondary school Mánesova Otrokovice

• Teacher - Pavel Broža



Primary School no.1 in Bieruń

- Teacher Joanna Gawor
- Elevation is 242 m.
- Latitude: 50.0936° Longitude: 19.0892°



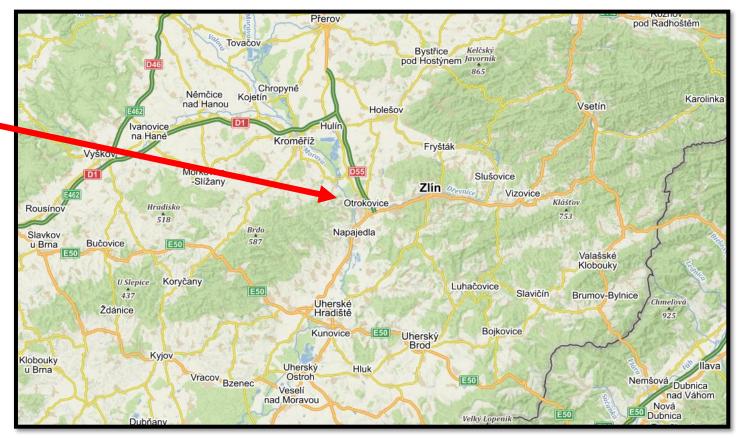
Otrokovice



Elevation - 183 m a. s. l.

Latitude: 49.2172°

Longitude: 17.511°



Place in Poland

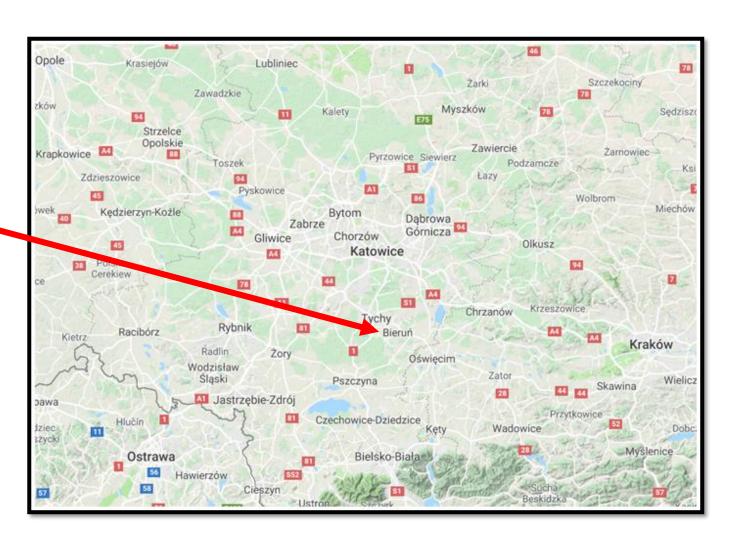


The partner school is from Bieruń

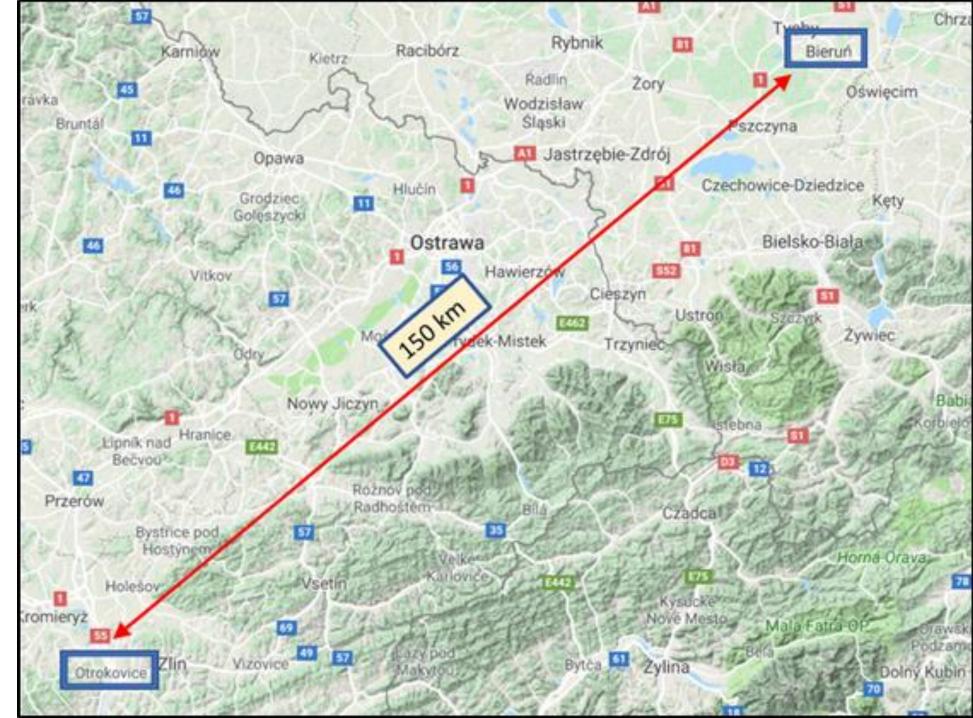
Elevation - 242 m a. s. l.

Latitude: 50.0936°

Longitude: 19.0892°



Air distance...



Observed birches

Otrokovice's birches



First Czech birch

Second Czech birch

Bieruń's birche



2nd November 2019

Science question and hypothesis

Q:

What influence air temperatures and precipitation have on birches falling asleep in Otrokovice and Bieruń?



Higher temperatures and more rainfall will cause birches to fall asleep later than birches that have lower temperatures and less rainfall.





Comparison of influences

Otrokovice

Leaves started falling: 10. 10. 2018

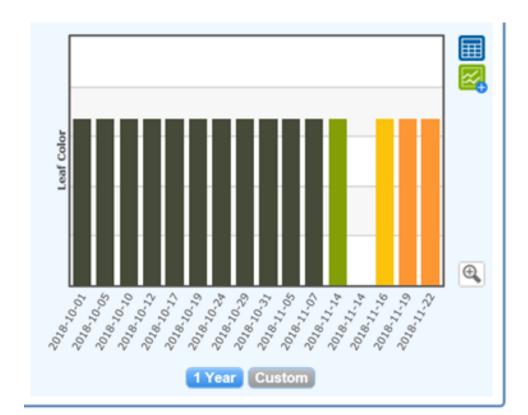
Leaves ended falling: 1. 12. 2018



Bieruń

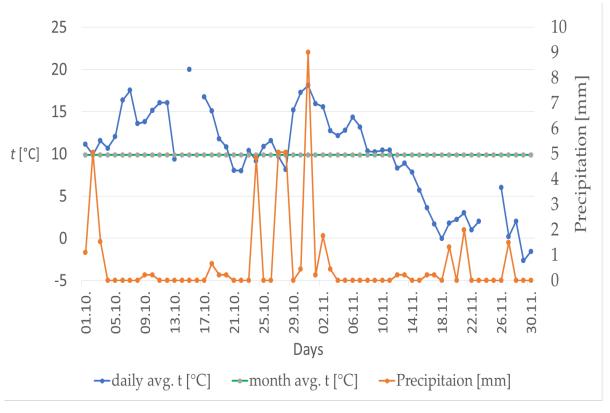
Leaves started falling: 14. 11. 2018

Leaves ended falling: 29. 11. 2018

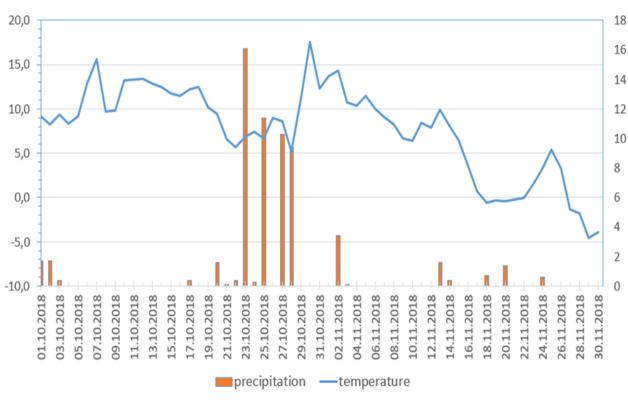


Comparison of influences

Otrokovice



Bieruń



Conclusions

Otrokovice

• First leaf falled on 10. 10. 2018 so we start photographing and writing data to globe.

Last leaf falled on 1. 12. 2018

Bieruń

 The first leaf fell down on the 14th November and the last one – 29th November.

 On 20th November the first snow was observed.

Verification of hypothesis

 Higher temperatures and more rainfall will cause birches to fall asleep later than birches that have lower temperatures and less rainfall.

The hypothesis is refused.

Summary Thank you for listening