

21.09.2022.

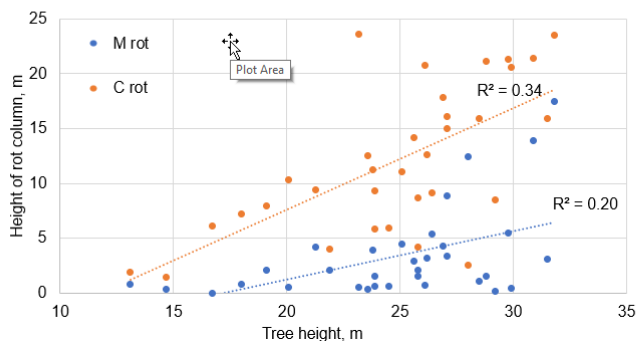
“Modelēšanas instrumenti oglekļa aprites un siltumnīcefekta gāzu emisiju novērtēšanai serdes trupes bojātās lapu koku audzēs”

(Nr. 1.1.1.1/21/A/063)

Projekta rezultāti prezentēti starptautiskā konferencē

Starptautisko zinātniskā konferencē “Stronger together – facilitating efforts in birch breeding in the Baltic Sea region” Helsinkos, Somijā, ziņojumā “Silver birch: breeding & growth modeling of improved material & effect of rot in Latvia” (Pauls Zeltiņš, Arnis Gailis, Āris Jansons). Dalībnieki no Somijas, Zviedrijas, Norvēģijas, Polijas, Īrijas, Igaunijas un Latvijas, kas nodarbojas galvenokārt ar dažādiem bērza selekcijas un ģenētiskās izpētes jautājumiem, vienotā ziņojumā iepazīstināti ar līdz šim paveikto augšanas gaitas modelēšanā, selekcijas efekta ietveršanu bērza augšanas gaitas modeļos (notiek citā pētījumā) un iegūtajiem datiem un pirmajām atziņām par dažādas konsistences trupes kolonnu augstumu bērzu stumbros (ERAF063 rezultāti). Tāpat izklāstītas praktiskās atziņas (rekomendācijas) kā tieši vai netieši meža selekcija var mazināt trupes ietekmi.

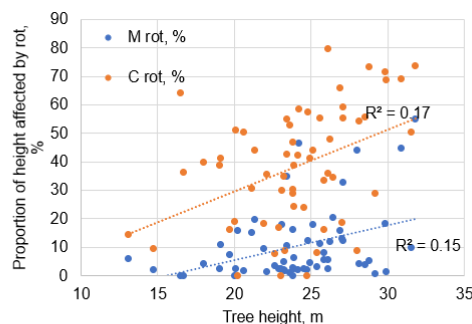
Rot results



➤ *Betula pubescens* are more affected by rot than *B. pendula*. Thus tree breeding promoting the use of planted *B. pendula* also has a positive effect on the reduction of rot occurrence.

- The link between tree height and the height of rot column is stronger than the link between tree height and rot-affected proportion from it, indicating possibilities for improvement via tree breeding
- Proportion of hard rot affected part of trees was significantly higher in older stands. Thus the potential to reduce the rotation cycle in the managed forests, as demonstrated by the growth models, would also have a positive effect in reducing the influence of this stem defect

Tool for assessment of carbon turnover and greenhouse gas fluxes in broadleaved tree stands with consideration of internal stem decay (ERDF 1.1.1.1/21/A/063)





Day 1 -- Wednesday 7th of September ¶

08.20--08.30--gathering at the hotel lobby (Original Sokos Hotel Vantaa) ¶

08.30--09.30--travel to the LUKE's breeding station Haapastensvriä with minibuses ¶

09.30--10.00--coffee and mingle, introduction to the breeding unit and activities ¶

10.00--12.00--indoor session, presentations of the venue and by participants ¶

- 1.→Welcome--Mateusz Liziniewicz/Matti Haapanen ¶
- 2.→Matti Haapanen--birch breeding in Finland (15 minutes) ¶
- 3.→Mateusz Liziniewicz--Status of birch breeding and perspectives for birch silviculture in Sweden (15 minutes) ¶
- 4.→Oliver Sheridan, Ireland (15 minutes) ¶
- 5.→Tiit Maaten, Estonia (15 minutes) ¶
- 6.→Paulus Zeltins, Latvia (15 minutes) ¶
- 7.→Szymon Jastrzebowski, Poland (5 minutes) ¶
- 8.→Biyue Tan, what does the Stora Enso plan for birch (15 minutes) ¶

12.00--12.45--Lunch at the breeding station ¶

12.45--13.45--Tour around the breeding station ¶

13.45--15.15--Afternoon session of presentations ¶

- 1.→Genomics of birch in Finland, Kaisa Nieminen (Luke) ¶
- 2.→Trees for me, a new birch project in Sweden, Thomas Kraft (10-15 minutes) ¶
- 3.→Andis Zvirgzdins (SLU, Sweden), Grace Jones (Teagasc/LNU, Ireland/Sweden)--respective birch projects ¶

15:15 Afternoon coffee ¶

15.30--17.00--travel to Tampere ("Sokos hotel Tornii") ¶

19.00--Dinner in Tampere ¶

Day 2 -- Thursday 8th of September ¶

We leave at 8:55 (tentative) and visit various birch sites (a plus tree, stands, a seed orchard, and trials) ¶

12.00--13.00--lunch near Lahti ¶

We will finish around 16-17 in a field and will be approximately one hour drive from the airport. We will be at the airport latest at ca 18.00. ¶

