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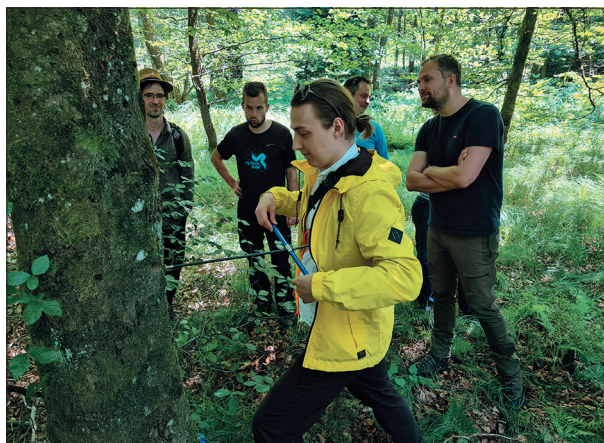
**Mednarodna delavnica**  
**»Manj znane lesne vrste v dendrokronologiji in kulturni dediščini«**  
**International workshop**  
**»Less known wood species in dendrochronology and cultural heritage«**

Maks Merela, Angela Balzano

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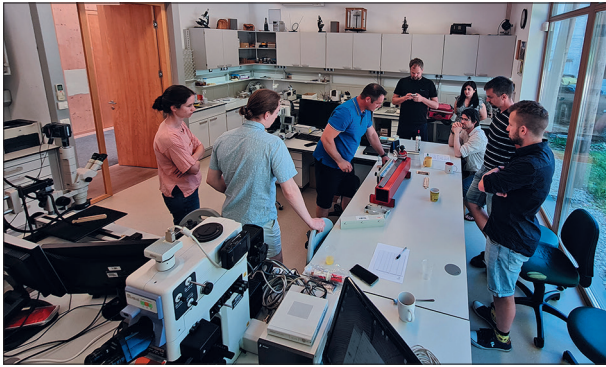


Od 14. do 16. junija 2022 je bila na Oddelku za lesarstvo Biotehniške fakultete Univerze v Ljubljani organizirana mednarodna delavnica v okviru projekta Interdisciplinary, collaborative learning and teaching for resilient wood resources and innovations in a digital world (Wood+; 2020-1-CZ-01-KA203-078483). Delavnica je pokrivala tematiko dendrokronologije manj znanih lesnih vrst na primeru dreves in elementov kulturne dediščine, tematiko različnih načinov vzorčenja in priprave vzorcev, meritve in analize, različne pristope



dendrokronologije ter moderne izzive v dendrokronologiji.

Udeležence z Univerze Mendel Brno in Univerze za naravne vire in vede o življenju na Dunaju (BOKU) smo povabili k delavnici s pestrim programom, ki ga je v uvodu predstavil izr. prof. dr. Maks Merela. Program je vseboval predavanja, delo na terenu, praktične vaje in družabne dogodke. Oddelek za lesarstvo je udeležencem predstavil prof. dr. Milan Šernek, razvoj dendrokronologije v Sloveniji pa je v uvodnem predavanju predstavila prof.



dr. Katarina Čufar. Doktorska študentka Nina Škrk in dr. Angela Balzano sta s kratkimi predstavitvami predstavili bazo podatkov in spletno platformo "SloClim", ki vsebuje dnevne podatke o padavinah in temperaturah v visoki ločljivosti na mreži 1 x 1 km za celotno Slovenijo in je pomemben za dendrokronologijo in proučevanje podnebnih sprememb ter izzive na področju dendrokronologije pri sredozemskih in tropskih vrstah.

Terenske dejavnosti v okviru delavnice so vključevale odvzem vzorcev za dendrokronološke preiskave tako iz živih dreves v gozdnem sestoj, kot tudi iz objektov kulturne dediščine (lesene zgradbe). Prikazani so bili različni načini priprave vzorcev ter različna merilna in analitična orodja, ki se uporabljajo v dendrokronologiji. Prikazana je bila tudi priprava vzorcev arheološkega lesa in izzivi, povezani z datiranjem (C14 in metode wiggle matching). Poleg dejavnosti delavnice so bili za boljše povezovanje udeležencev organizirani družabni dogodki, ki so vključevali tudi »brain storming«, razprave na prostem in ogled Ljubljane z rečno ladjo, kjer nam je na pomoč priskočil naš alumen Anže Logar in firma Lakercraft. Intenzivna delavnica z delom v manjših skupinah se je izkazala za zelo uspešno tudi za izmenjavo izkušenj in predstavlja dobro osnovo za nadaljnje sodelovanje med vsemi udeleženci.

As part of the project "Interdisciplinary, collaborative learning and teaching for resilient wood resources and innovations in a digital world" (Wood+; 2020-1-CZ01-KA203-078483), the workshop "LKWS in dendrochronology & cultural heritage" was held at the Department of Wood Science and Technology, Biotechnical Faculty, University of Ljubljana from June 14 to 16, 2022.

The workshop covered topics related to the dendrochronology of Less Known Wood Species (LKWS) and wood from cultural heritage. The pro-

gram included sampling, new methods and techniques, measurements and data analysis, different tools and current challenges in dendrochronology.

The participants from Mendel University Brno and the University of Natural Resources and Life Sciences, Vienna (BOKU) were welcomed to join the workshop with a program presented by Assoc. Prof. Maks Merela. The program included lectures, field sampling, practical exercises and social events. Prof. Dr. Milan Šernek presented the department, while Prof. Dr. Katarina Čufar gave an introductory lecture on the development of dendrochronology in Slovenia. PhD student Nina Škrk and Dr. Angela Balzano gave short presentations on "SloClim", a high-resolution daily gridded precipitation and temperature dataset for Slovenia useful for combining dendrochronology and climatic conditions, and the challenges of applying dendrochronology to Mediterranean and tropical species.

Field activities included coring for dendrochronological purposes from both living trees in a forest stand and cultural heritage objects (wooden buildings). Various sample preparation methods were shown, and the measurement and analysis tools used in dendrochronology were demonstrated. Sample preparation of archaeological wood and the challenges associated with dating (including C14 and wiggle matching methods) were also demonstrated. In addition to the workshop activities, social events such as outdoor brainstorming discussions and a Ljubljana city tour by boat supported by our alumni Anže Logar and Lakercraft were organised to better connect participants. The intensive small group workshop proved to be very successful with regard to sharing experiences, and we hope for further fruitful collaboration among all participants.