

Tool for assessment of carbon turnover and greenhouse gas fluxes in broadleaved tree stands with consideration of internal stem decay, ERDF, No 1.1.1/21/A/063

Publication of project results

| No. | Scientific articles | Status | Type | Notes |
|-------------|---|-----------|-----------------|----------------------|
| 1. | Original scientific articles published in journals or conference articles the quoting index of which amounts to at least 50 per cent of the average quoting index in the area | | | Planned: 7 |
| 1.1. | Liepiņš J., Jaunslaviete I., Liepiņš K., Jansone L., Matisons R., Lazdiņš A., Jansons Ā. (2023). Effect of stem rot on wood basic density, carbon, and nitrogen content of living deciduous trees in hemiboreal forests. <i>Silva Fennica</i> vol. 57 no. 3 article id 23040. https://doi.org/10.14214/sf.23040 | Published | Journal article | 1 |
| 1.2. | Liepiņš K., Liepiņš J., Ivanovs J., Bārdule A., Jansone L., Jansons Ā. (2023) Variation in the Basic Density of the Tree Components of Gray Alder and Common Alder. <i>Forests</i> 2023, 14, 135. https://doi.org/10.3390/f14010135 | Published | Journal article | 1 |
| 1.3. | Liepiņš, J.; Liepiņš, K.; Lazdiņš, A.; Matisons, R.; Jansons, Ā. A Comparative Study of Stem Rot Severity in Mature Deciduous Trees in Latvia. <i>Sustainability</i> 2024, 16(1), 144; https://doi.org/10.3390/su16010144 | Published | Journal article | 1 |
| 1.4. | Kļaviņa D., Matisons R., Auniņa A., Striķe Z., Ciselonoka L., Krastiņa K., Zeps M., Jansons Ā., Bitenieks K., Ruņģis D.E., Gaitnieks T. (2023) Frost Cracks Show a Slight Effect on Fungal Richness in Stem Wood of Hybrid Aspen Trees in Latvia. <i>Diversity</i> 2024, 16(1), 14; https://doi.org/10.3390/d16010014 | Published | Journal article | 1 |
| 1.5. | Samariks V., Kēniņa L., Kitenberga M.; Aun K., Varik M., Liepiņa A.A., Jansons Ā. (2023) The effect of drainage on fine root biomass, production and turnover in hemiboreal old-growth forests on organic soils. Revised, submitted online. <i>Ecosphere</i> . | Submitted | Journal article | 1 |
| 1.6. | Dubra S., Samariks S., Līcīte I., Butlers A., Purviņa D., Lupiķis A., Jansons Ā. (2023) Effects of Drainage on Carbon Stock in Hemiboreal Forests: Insights from a 54-Year Study. <i>Sustainability</i> -2684709. https://www.mdpi.com/2071-1050/15/24/16622 | Published | Journal article | 1 |

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| 1.7. | Zute D., Samariks V., Šņepsts G., Donis J., Jansons Ā. (2023) Balancing forest regulations and stakeholder needs in Latvia: modeling the long-term impacts of forest management strategies on standing volume and carbon storage. Sustainability 2024, 16(1), 280; https://doi.org/10.3390/su16010280 | Published | Journal article | 1 |
| 1.8. | Donis J., Šņepsts G., Zdors L., Vuguls J., Jansons Ā. (2023) Freezing rain and snow-induced bending and recovery of birch in young hemiboreal stands. Forests, forests-2749462 | Submitted | Journal article | 1 |
| 1.9. | Donis J., Šņepsts G., Zeltiņš P., Jansons J., Zālītis P., Jansons Ā. (2023) Sawlog outcome in birch, black alder, and aspen stands of hemiboreal Latvia. Forests. | Submitted | Journal article | 1 |
| | | | | Total: 9 |
| 2. | Original scientific articles published in magazines or volumes of conference articles included in Web of Science database or SCOPUS (A or B) database | | | Planed 0 |
| 2.1. | Bičkovskis K., Samariks V., Liepiņš J., Šņepsts G. (2023) Carbon stock of deciduous forests on organic soils in Latvia. Proceedings of Research for Rural Development 2023, 38, pp. 30-36, DOI: 10.22616/RRD.29.2023.004 | Published | | |
| 2.2. | Bičkovskis K., Samariks V., Jansons Ā. (2023) Tree litter production in grey alder (<i>Alnus incana</i>) stands on dry and wet mineral soils. SGEM conference 2.3. | Submitted | | |
| | | | | Total: 1 |
| | | | | All submitted 6 |
| | | | | All published 4 |
| | | | | Total 10 |