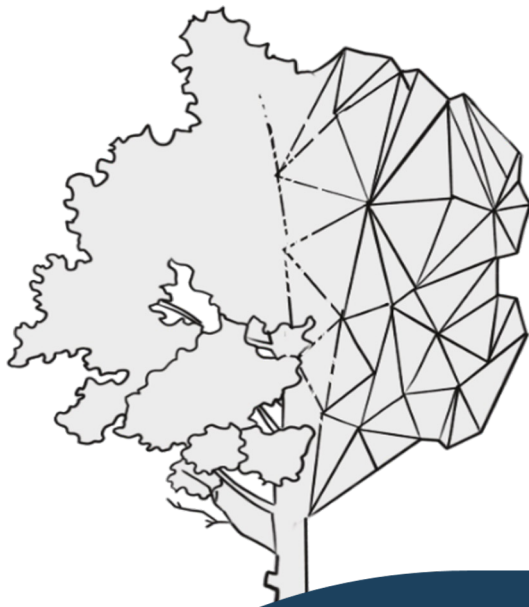




3DForEcoTech

**“There are many
scans of trees,
however, they
have not been
assembled into a
data forest.”**



Benchmarking tree
species classification
from proximally
sensed laser scanning
data: Introducing the
FOR-species20K
dataset

The FOR-species20K initiative marks a turning point in the quest for automated, AI-driven forest monitoring. By assembling an unprecedented dataset of 20,000 individual trees, standardizing data preparation, and establishing open benchmarks for model evaluation, it transforms a fragmented research landscape into a shared platform for progress.

*Puliti, S., Lines, E.R., Müllerová, J., Frey, J., Schindler, Z., Straker, A., Allen, M.J., Winiwarter, L., Rehush, N., Hristova, H., Murray, B., Calders, K., Coops, N., Höfle, B., Irwin, L., Junttila, S., Krůček, M., Krok, G., Král, K., Levick, S.R., Luck, L., Missarov, A., Mokroš, M., Owen, H.J.F., Stereńczak, K., Pitkänen, T.P., Puletti, N., Saarinen, N., Hopkinson, C., Terry, L., Torresan, C., Tomelleri, E., Weiser, H., Astrup, R., 2025. Benchmarking tree species classification from proximally sensed laser scanning data: Introducing the FOR-species20K dataset. *Methods in Ecology and Evolution* 16, 801–818.*



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