

PROJECT REFERENCE

KIHBA – Artificial Intelligence for High-Resolution Tree Species Recognition

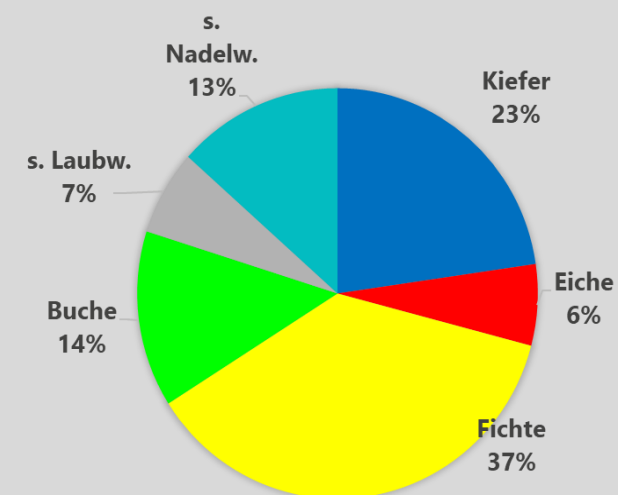
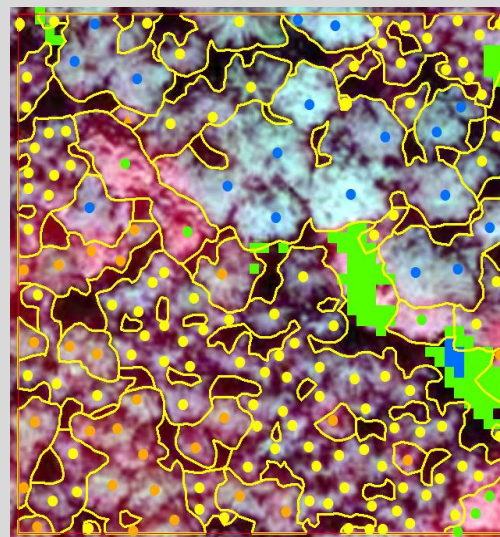
Date: 2021-2023

Partner: LWF – Bavarian State Institute of Forestry

Customer: DLR Space Management

Funding: Federal Ministry for Economic Affairs & Technol.

- Development of an AI model for the automatic, area-wide derivation of the composition and distribution of tree species from high-resolution remote sensing data
- Generation and deployment of an extensive training dataset
- Training of deep learning models for tree species recognition
- Differentiation of the most economically important tree species in Germany / Bavaria: spruce (*picea abies*), pine (*pinus sylvestris*), beech (*fagus sylvatica*), and oak (*quercus spec.*)



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