

FOREST APP „iWald“

iWald

DEVELOPMENT OF AN INNOVATIVE FOREST DEVELOPMENT AND SERVICE CONCEPT TO SUPPORT SUSTAINABLE FOREST MANAGEMENT

Introduction to „iWald“

25.10.2021



PROJECT PARTNERS

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Chair of Sustainable Business Economics

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- Targets

- Development of a service concept for forest owners with the necessary apps and business processes to support the sustainable management of their forests
- Forest owners get realistic and expert-system based effects (on climate change, biodiversity, profit etc.) of future forest stands development (based on geodata, remote sensing data, forest growth simulations and management scenarios)
- Support for forest associations and service providers in dialogue with forest owners and in advising them

- Targets (cont'd)
 - Free "basic version" and professional (fee based) version with area reference
 - “Teaser” for young forest owners in rural areas and in urban context
 - Preferred target group: “digital natives” with a high affinity for smartphones
 - Non-profit oriented service that should not compete with established software packages (e.g. wood accounting or forest management software)

ILLUSTRATION OF THE iWald-SYSTEM



3D Rendering

Typical Single Trees

Simulation Technology

Remote Sensing

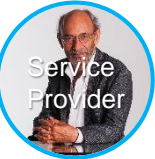
Data Conversion

Rating

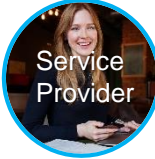
Tree Growth Simulation

Stand Attributes

Tree Species Classification



iWald SP



iWald SP

Service Apps



iWald FO Base

Software Services

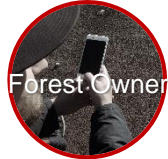
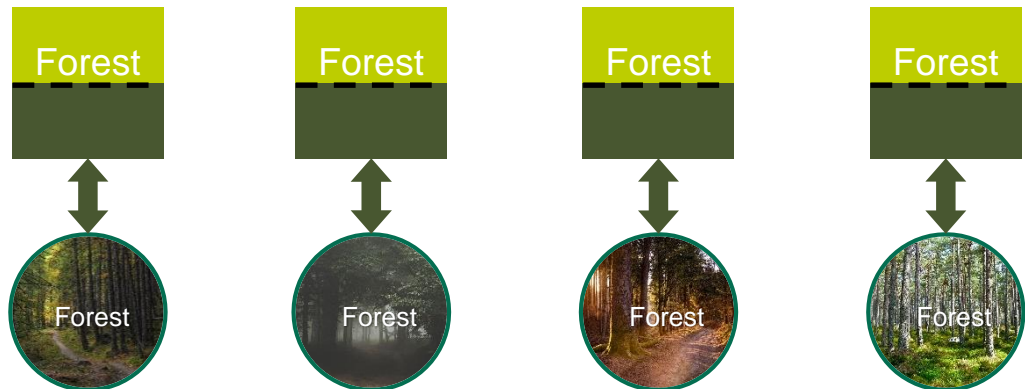


iWald FO Pro

Forest Owner Apps



„Digital Twins“



iWald FO Base

iWald FO Pro



- Status
 - Basic- and Pro-App are in the test phase (Android) with test users
- Outlook
 - Final development of Apps and Services will be completed until mid of 2022
 - First market introduction during 6. KWF Thementage 31.03. – 02.04.2022 in Jessen / Sachsen-Anhalt / Germany (see kwf2020.kwf-online.de/portfolio/6-kwf-thementage)
 - **More infos about iWald: www.iwald.net**

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