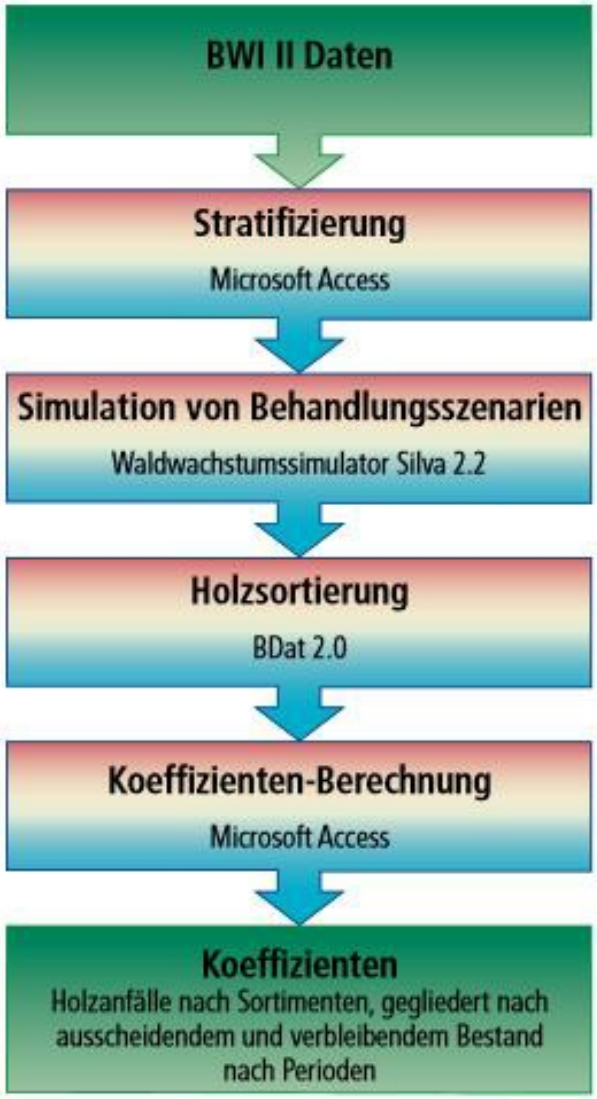
Natural and financial indicators for the consultation of private and communal forest owners



The basic idea is the processing of natural and financial data for typical forest stands and selected forest treatment alternatives after previous simulation calculations. Thereby, the question initially was limited to the depiction of the alternatives “thinning” or “without thinning”.

This prototype can be complemented with additional indicators; other areas and forest treatment strategies and therefore more data should be added and furthermore more risk integration has to be done

The sorted single tree data then were condensed to coefficients via MS Access queries. The coefficients contain information about the arising amounts of wood of the simulated treatments or rather the timber stock of the remaining stands – sorted into sorts of wood and simulation period. After feeding the data to the consultation support system, a connection to current prices for timber and timber harvesting costs was established. Based on the data from the second National Forest Inventory, the stratification of the area of the Bavarian “Tertiäres Hügelland” and the compilation of simulation stocks was carried out. Using the forest growth simulator Silva 2.2, the simulation stocks were updated once without treatment and once updated according to a thinning scheme. In the next step, the results of the simulation runs (single tree data for the remaining and the outgoing stock) were sorted according to regional sorting criteria using the sorting program BDat 2.0.

DETALJER

OPPRINNELSE FOR TRE
Skog

TYPE TRE
Tre fra rundtvirke

TYPE TRE INVOLVERT
Stemwood

PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD
Positive on biodiversity and forest resilience enhancement

INNTEKTSEFFEKT
Positive / more efficient working processes / cost reduction possibility identification

UTNYTTELSESPOTENSIAL
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HUB
--

ØKONOMISK PåVIRKNING
An active learning of different silvicultural approaches for forest owners can be achieved. But cost effects are hardly to describe.

MOBILISERINGSPOTENSIAL
Area affected is small but information about advantages of thinnings regarding risks can contribute on a wider level (estimated more than 1 m3/ha)

BæREKRAFTPOTENSIAL - VERDI
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ENKEL IMPLEMENTERING
Difficult as an expert tool

ENKEL IMPLEMENTERING - EVALUERING
--

VIKTIGE FORUTSETNINGER
Just In cooperation with TUM possible

TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT
--

EFFEKT På ARBEIDSPLASSER
Better qualified staff through verification and discussion possibilities

KOSTNADER MED IMPLEMENTERING (EURO - €)
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SPESIFIKKE KUNNSKAPSBEHOV

The system is depending on complex program Silva 2.2 – forest experts of TUM have to be included

MER INFORMASJON

UTFORDRING ADRESSERT

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DOMENE

Skogforvaltning, skogskjøtsel, økosystemtjenester

TYPE LøSNING

Modellering, DSS, simulering, optimalisering

NøKKELORD

--

DIGITAL LøSNING

Ja

INNOVASJON

Nei

OPPRINELSESLAND

Tyskland

POTENSIALE

Regional/deler av landet

START OG SLUTT åR

2009 - 2009

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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RAPPORTøR

REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

https://mediatum.ub.tum.de/doc/829183/document.pdf

RESSURSER

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PROSJEKTETS HJEMMESIDE

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REFERANSE TIL PROSJEKT

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

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