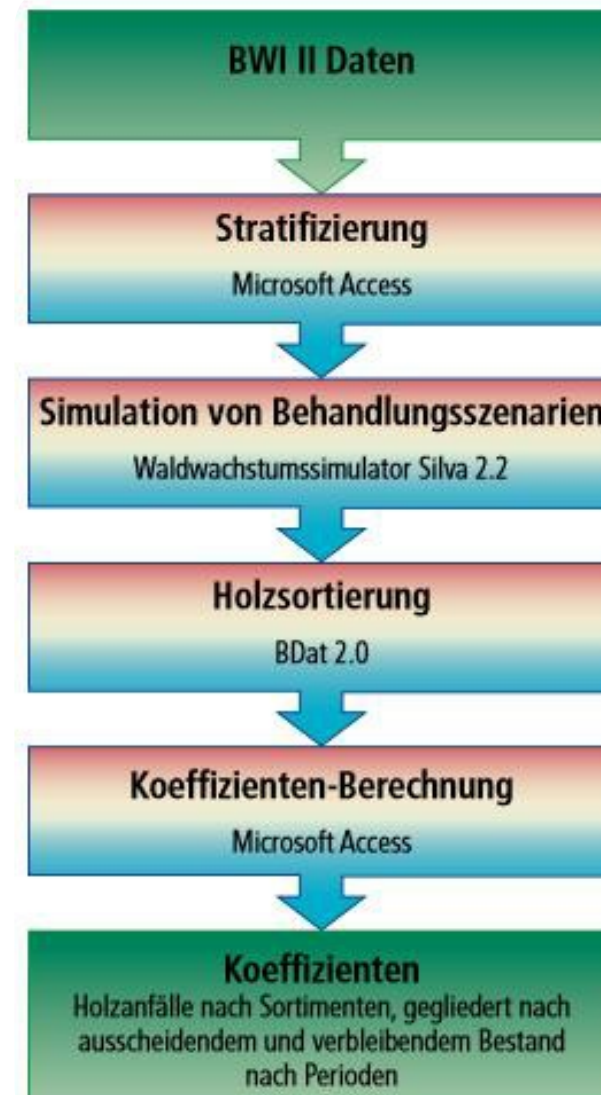


## Natural and financial indicators for the consultation of private and communal forest owners



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

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### 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

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### 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 m<sup>3</sup>/ha)

### BÆREKRAFTPOTENSIAL - VERDI

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### ENKEL IMPLEMENTERING

Difficult as an expert tool

### ENKEL IMPLEMENTERING - EVALUERING

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### VIKTIGE FORUTSETNINGER

Just In cooperation with TUM possible

### TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

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### 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**

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**UTFORDRING ADRESSERT**

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**NØKKEWORD**

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**OPPRINELSESLAND**

Tyskland

**DOMENE**

Skogforvaltning, skogskjøtsel, økosystemtjenester

**DIGITAL LØSNING**

Ja

**POTENSIALE**

Regional/deler av landet

**TYPE LØSNING**

Modellering, DSS, simulering, optimalisering

**INNOVASJON**

Nei

**START OG SLUTT ÅR**

2009 - 2009

**KONTAKT  
INFORMASJON**

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**EIER ELLER FORFATTER**

**RAPPORTØR**

Thomas.knoke@mytum.de

**REFERENCES  
AND RESOURCES**

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**HJEMMESIDE (HOVEDSIDE)**

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

**PROSJEKTETS HJEMMESIDE**

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**REFERANSE TIL PROSJEKT**

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**RESSURSER**

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

15 nov 2019

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862681

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

