# Rolling silviculture planning (annually)



Forest management based on the latest available technical solutions and satellite data (Sentinel2 and caliper with georeferencing possibility). Determinization of rough wood according to tree-species for the entire forestry operation surface. Realtime wood stock management and silvicultural measure planning reviewed with silvicultural planning simulations. Rolling management approach on an annually basis for optimization of economic, ecological and social values. Management units of approx. 30 hectares defined to enhance efficiency of the entire process. Reduction of rotation periods according to tree-species

Advanced forest management and silvicultural planning on a good wood stock analysis with proximity in time is one key factor for optimization of forest management, silvicultural measures and wood production incl. better selling possibilities. New learning process possibilities. Enhanced reaction times on requests of all sorts and in the case of extreme events (storms etc.). The approach allows the better exploitation of the growing wood potential, reducing the rotation period and thereby fostering the climate change adaptation potential. Efficiency enhancement in economic, ecological and social dimension with the aid of modern techniques is possible and will become more prominent in the future

Efficiency enhancement in economic, ecological and social dimension. Increased yield and cost reduction resulting in enhanced profitability while providing stability for wood stocks. Reducing discards by adaptation to climate change and active monitoring of sustainability principles. Exploiting of new selling opportunities. Active learning possibilities through Realtime verification of work processes incl. field work (work plan -> validation -> assignment -> verification). Better integration possibilities of all actors in the field and active work support. Better communication possibilities with players of downstream markets

## 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

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ØKONOMISK PåVIRKNING

Enhancement of regionally added value / more efficient working processes /active learning

SPESIFIKKE KUNNSKAPSBEHOV

MOBILISERINGSPOTENSIAL

1 – 2 m³/ha

BæREKRAFTPOTENSIAL - VERDI

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ENKEL IMPLEMENTERING

Medium

ENKEL IMPLEMENTERING - EVALUERING

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VIKTIGE FORUTSETNINGER

Sentinel2 datas (which are freely available)

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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GIS data processing possibilities needed

## MER INFORMASJON

UTFORDRING ADRESSERT

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DOMENE

Skogforvaltning, skogskjøtsel, økosystemtjenester

TYPE LøSNING

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NøKKELORD

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DIGITAL LøSNING

Nei

INNOVASJON

Nei

OPPRINELSESLAND

Sveits

POTENSIALE

Regional/deler av landet

START OG SLUTT åR

2017 -

## KONTAKT INFORMASJON

EIER ELLER FORFATTER

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RAPPORTøR

## REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

https://forst.bgbern.ch

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

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Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY