# 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

## DETAILS

HERKUNFT DES HOLZES

Wald

ART DES HOLZES

Stammholz

ART DES BETROFFENEN HOLZES

Stemwood

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITäT

Positive on biodiversity and forest resilience enhancement

EINKOMMENSEFFEKT

Positive / more efficient working processes / cost reduction possibility identification

VERWERTUNGSPOTENZIAL

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NABE

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WIRTSCHAFTLICHE AUSWIRKUNGEN

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

SPEZIFISCHES WISSEN ERFORDERLICH

MOBILISIERUNGSPOTENZIAL

1 – 2 m³/ha

POTENZIAL FüR NACHHALTIGKEIT - WERT

--

LEICHTE IMPLEMENTIERUNG

Medium

LEICHTE IMPLEMENTIERUNG - BEWERTUNG

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WICHTIGE VORAUSSETZUNGEN

Sentinel2 datas (which are freely available)

ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE

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ARBEITSPLATZEFFEKT

Better qualified staff through verification and discussion possibilities

KOSTEN DER IMPLEMENTIERUNG (EURO - €)

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GIS data processing possibilities needed

## MEHR DETAILS

**ANGESPROCHENE HERAUSFORDERUNG**

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**DOMäNE**

Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz

**ART DER LöSUNG**

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**SCHLüSSELWöRTER**

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**DIGITALE LöSUNG**

Nein

**INNOVATION**

Nein

**HERKUNFTSLAND**

Schweiz

**UMFANG DER ANWENDUNG**

Regional/sub-national

**ANFANGS- UND ENDJAHR**

2017 -

## KONTAKTDATEN

**EIGENTüMER ODER AUTOR**

stefan.flueckiger@bgbern.ch

**REPORTER**

## REFERENCES AND RESOURCES

**HAUPT-WEBSITE**

https://forst.bgbern.ch

**PROJEKT-WEBSITE**

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**PROJEKT-REFERENZ**

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**RESSOURCEN**

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## PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

## BEITRAGSDATUM

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## A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY