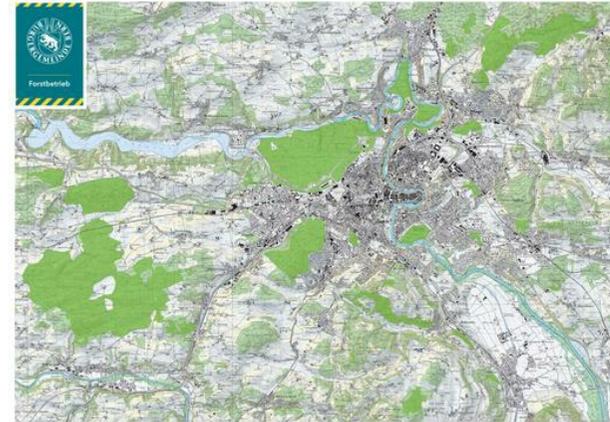


## Rolling silviculture planning (annually)



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

## DETTAGLI

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### ORIGINE DEL LEGNO

foresta

### TIPO DI LEGNO

Fusto

### TIPO DI LEGNO IN QUESTIONE

Stemwood

### IMPATTO SULL'AMBIENTE E LA BIODIVERSITÀ

Positive on biodiversity and forest resilience enhancement

### EFFETTO SUL REDDITO

Positive / more efficient working processes / cost reduction possibility  
identification

### POTENZIALE DI SFRUTTAMENTO

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### HUB

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### IMPATTO ECONOMICO

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

### CONOSCENZE SPECIFICHE NECESSARIE

### POTENZIALE DI MOBILITAZIONE

1 – 2 m<sup>3</sup>/ha

### POTENZIALE SOSTENIBILITÀ - VALORE

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### FACILITÀ DI IMPLEMENTAZIONE

Medium

### FACILITÀ DI IMPLEMENTAZIONE - VALUTAZIONE

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### PREREQUISITI CHIAVE

Sentinel2 datas (which are freely available)

### TIPO DI EVENTO IN CUI QUESTO BPI È STATO PRESENTATO

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### EFFETTO SUL LAVORO

Better qualified staff through verification and discussion possibilities

### I COSTI DI ATTUAZIONE (EURO - €)

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GIS data processing possibilities needed

## PIÙ DETTAGLI

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### SFIDA RISOLTA

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### DOMINIO

La gestione forestale, selvicoltura, i servizi  
ecosistemici, resilienza

### TIPO DI SOLUZIONE

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### PAROLE CHIAVE

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### SOLUZIONE DIGITALE

No

### INNOVAZIONE

No

### PAESE D'ORIGINE

Svizzera

### SCALA DI APPLICAZIONE

Regionale / sub-nazionale

### INIZIO E FINE ANNO

2017 -

## CONTATTI

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### PROPRIETARIO O AUTORE

stefan.flueckiger@bgbern.ch

### REPORTER

## REFERENCES AND RESOURCES

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### SITO PRINCIPALE

<https://forst.bgbern.ch>

### SITO WEB DEL PROGETTO

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### PROGETTO DI RIFERIMENTO

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### RISORSE

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PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA È STATA CREATA

Rosewood

DATA DI INSERIMENTO

16 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

