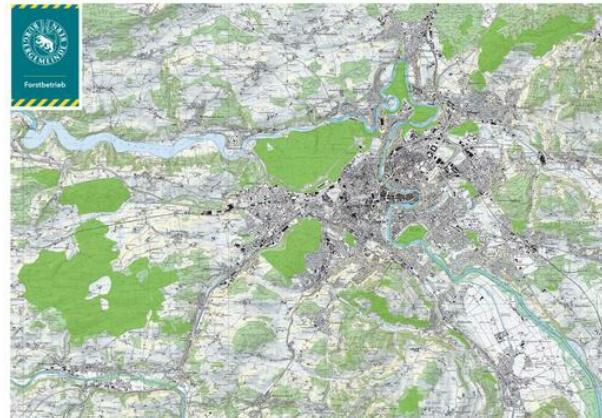


## Rolling silviculture planning (annually)



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

**POTENZIALE DI MOBILITAZIONE**

1 – 2 m<sup>3</sup>/ha

**TIPO DI LEGNO IN QUESTIONE**

Stemwood

**POTENZIALE SOSTENIBILITÀ - VALORE**

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**FACILITÀ DI IMPLEMENTAZIONE**

Medium

**IMPATTO SULL'AMBIENTE E LA BIODIVERSITÀ**

Positive on biodiversity and forest resilience enhancement

**FACILITÀ DI IMPLEMENTAZIONE - VALUTAZIONE**

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**EFFETTO SUL REDDITO**

Positive / more efficient working processes / cost reduction possibility identification

**PREREQUISITI CHIAVE**

Sentinel2 datas (which are freely available)

**POTENZIALE DI SFRUTTAMENTO**

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

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**HUB**

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**EFFETTO SUL LAVORO**

Better qualified staff through verification and discussion possibilities

**IMPATTO ECONOMICO**

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

**I COSTI DI ATTUAZIONE (EURO - €)**

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**CONOSCENZE SPECIFICHE NECESSARIE**

GIS data processing possibilities needed

**PIÙ DETTAGLI**

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SFIDA RISOLTA	DOMINIO	TIPO DI SOLUZIONE
--	La gestione forestale, selvicoltura, i servizi ecosistemici, resilienza	--
PAROLE CHIAVE	SOLUZIONE DIGITALE	INNOVAZIONE
--	No	No
PAESE D'ORIGINE	SCALA DI APPLICAZIONE	INIZIO E FINE ANNO
Svizzera	Regionale / sub-nazionale	2017 -

**CONTATTI**

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PROPRIETARIO O AUTORE REPORTER

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**REFERENCES  
AND RESOURCES**

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SITO PRINCIPALE RISORSE

<https://forst.bgbern.ch>

SITO WEB DEL PROGETTO

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PROGETTO DI RIFERIMENTO

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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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862681

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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