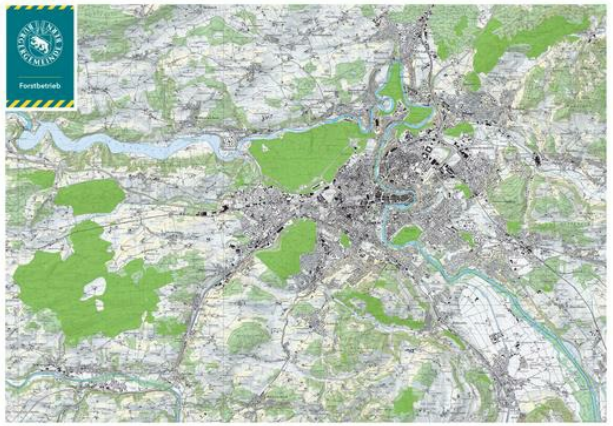
Rolling silviculture planning (annually)



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

DETALII

SURSA DE LEMN

Pădure

TIPUL DE LEMN

Lemn masiv

TIPUL DE LEMN îN CAUZă

Stemwood

IMPACTUL ASUPRA MEDIULUI șI BIODIVERSITățII

Positive on biodiversity and forest resilience enhancement

EFECT ASUPRA VENITURILOR

Positive / more efficient working processes / cost reduction possibility identification

POTENțIAL DE EXPLOATARE

--

HUB

--

IMPACT ECONOMIC

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

CUNOșTINțE SPECIFICE NECESARE

POTENțIALUL DE MOBILIZARE

1 – 2 m³/ha

POTENțIAL DE SUSTENABILITATE - VALOARE

--

FACILITATEA DE IMPLEMENTARE

Medium

FACILITATEA DE IMPLEMENTARE - EVALUARE

--

CONDIțII CHEIE PREALABILE

Sentinel2 datas (which are freely available)

TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

--

EFECT ASUPRA LOCURILOR DE MUNCă

Better qualified staff through verification and discussion possibilities

COSTURI PENTRU IMPLEMENTARE (EURO - €)

--

GIS data processing possibilities needed

MAI MULTE DETALII

PROVOCARE ABORDATă

--

DOMAIN

Managementul pădurilor, silvicultura, servicii ecosistemice, reziliență

TIP DE SOLUȚIE

--

CUVINTE CHEIE

--

SOLUȚIE DIGITALă

Nu

INOVAȚIE

Nu

ȚARA DE ORIGINE

Elveţia

SCARA DE APLICARE

Regional/ sub-național

ANUL DE îNCEPUT șI DE SFâRșIT

2017 -

DATE DE CONTACT

PROPRIETAR SAU AUTOR

stefan.flueckiger@bgbern.ch

REPORTER

REFERENCES AND RESOURCES

PAGINă WEB

https://forst.bgbern.ch

WEBSITE PROJECT

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REFERINță PROIECT

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RESURSE

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PROIECTUL îN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood

DATA POSTăRII

16 Sep 2019

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