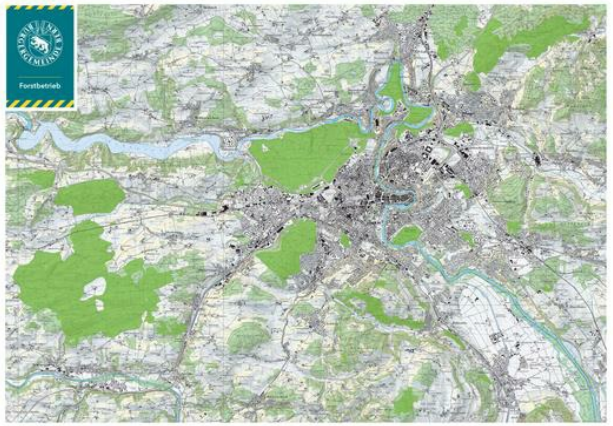
Rolling silviculture planning (annually)



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

PODROBNOSTI

PôVOD DREVA

Les

DRUH DREVA

Kmeňové drevo

UVAžOVANý DRUH DREVA

Stemwood

VPLYV NA žIVOTNé PROSTREDIE A BIODIVERZITU

Positive on biodiversity and forest resilience enhancement

DOPAD NA PRíJMY

Positive / more efficient working processes / cost reduction possibility identification

POTENCIáL VYUžITIA

--

ROZBOčOVAč

--

EKONOMICKý VPLYV

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

POTREBA šPECIFICKýCH ZNALOSTí

MOBILZAčNý POTENCIáL

1 – 2 m³/ha

POTENCIáL UDRžATEľNOSTI - HODNOTA

--

UľAHčENIE IMPLMENTáCIE

Medium

UľAHčENIE IMPLMENTáCIE - HODNOTENIE

--

KľúčOVé PREPOKLADY

Sentinel2 datas (which are freely available)

TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANý

--

DOPAD NA ZAMESTNANOSť

Better qualified staff through verification and discussion possibilities

NáKLADY NA IMPLEMENTáCIU (EURO - €)

--

GIS data processing possibilities needed

VIAC INFORMáCIí

RIEšENá VýZVA

--

DOMAIN

Lesné hospodárstvo/hospodárska úprava lesa, pestovanie lesa, ekosystémové služby, odolonosť

TYP RIEšENIA

--

KľúčOVé SLOVá

--

DIGITALNE RIEšENIE

Nie

INOVáCIE

Nie

KRAJINA PôVODU

Švajčiarsko

ROZSAH APLIKáCIE

Regionálny/

ZAčIATOK A KONIEC ROKA

2017 -

KONTAKTNé úDAJE

VLASTNíK ALEBO AUTOR

stefan.flueckiger@bgbern.ch

REPORTéR

REFERENCES AND RESOURCES

HLAVNá WEBSTRáNKA

https://forst.bgbern.ch

ZDROJE

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PROJEKTOVá WEBSTRáNKA

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REFERENCIA PROJEKTU

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PROJEKT, V RáMCI KTORéHO BOL TENTO INFORMAčNý PREHľAD VYTVORENý

Rosewood

DáTUM ODOSLANIA

16 sep 2019

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