

Drones in the Service of Forestry



ROSEWOOD
4.0 Sustainable Wood
for Europe

Single tree detection software uses drone data as the basis for estimating important tree parameters (tree position, height and diameter). Drones offer very precise terrain and inventory data and are very cost-effective.

Drone images are commonly used today as optical support in the forestry sector. The Potential of drone data and parameters that can be generated from single tree detection software is far from exhausted. The innovative and creative aspect of the project is to crate a digital twin of the forest. This twin provides all important tree parameters for the researchers to model the forest, make estimations of interventions, plan and make predictions.

MER INFORMATION

UTMANING SOM ADRESSERAS	DOMÄN	TYPE AV LÖSNING
5. Förbättra ekonomisk och miljömässig prestanda för skogsförskningskedjor	Inventering, värdering, övervakning Skogsförvaltning, skogskjötsel, ekosystemtjänster Forskning och utveckling	Sensorer, mästinstrument
NYCKELORD	DIGITAL LÖSNING	INNOVATION
Drones; Inventory; Management	Ja	Ja
UPPHOVSLAND	POTENTIAL	START OCH SLUTÅR
Schweiz	Nationell	--

KONTAKT INFORMASION

ÄGARE ELLER FÖRFATTARE	RAPPORTÖR
BFH Berne University of Applied Sciences	BFH Bern University of Applied Sciences
Mark Günter	Moritz Dreher
mark.guenter@bfh.ch	moritzkaspar.dreher@bfh.ch
https://arbor.bfh.ch/8230/	

REFERENCES AND RESOURCES

HEMSIDA (HUVUDSIDA)	RESURSER
https://www.grstiftung.ch/de/search~grs-047-17~.html	--
PROJEKTETS HEMSIDA	
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PROJEKTREFERENS	
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PROJEKT SOM DETTA FACTSHEET SKAPATS INOM
Rosewood 4.0

DATUM FÖR INLÄGG
12 aug 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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