

## 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.

## VIŠE DETALJA

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IZAZOV	DOMENA	VRSTA RJEŠENJA
5. Unaprjeđenje učinkovitosti lanca opskrbe šumom na gospodarstvo i okoliš	Popis, procjena, praćenje Upravljanje šumama, uzgoj šuma, usluge ekosustava, otpornost Istraživanje i razvoj	Senzori, mjerna oprema
KLJUČNE RIJEČI	DIGITALNO RJEŠENJE	INOVACIJA
Drones; Inventory; Management	Da	Da
ZEMLJA PODRIJETLA	PODRUČJE PRIMJENE	POČETAK I KRAJ GODINE
Švicarska	Nacionalna	--

## KONTAKT PODATCI

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VLASNIK ILI AUTOR	IZVJESTITELJ
BFH Berne University of Applied Sciences	BFH Bern University of Applied Sciences
Mark Günter	Moritz Dreher
mark.guenter@bfh.ch	moritzkaspar.dreher@bfh.ch
<a href="https://arbor.bfh.ch/8230/">https://arbor.bfh.ch/8230/</a>	

## REFERENCES AND RESOURCES

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GLAVNA WEB STRANICA	IZVORI
<a href="https://www.grstiftung.ch/de/search~grs-047-17~.html">https://www.grstiftung.ch/de/search~grs-047-17~.html</a>	--
WEB STRANICA PROJEKTA	--
REFERENCA PROJEKTA	--

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PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

