

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.

**VEČ
PODROBNOSTI**

IZZIV	DOMENA	TIP REŠITVE
5. Izboljšanje gospodarske in ekološke učinkovitosti Inventura, ocena, monitoring gozdne oskrbovalne verige	Gojenje gozdov, gospodarjenje z gozdovi, odpornost, ekosistemski storitve Raziskave in razvoj	Senzorji, merilna oprema
KLJUČNE BESEDE	DIGITALNE REŠITVE	INOVACIJA
Drones; Inventory; Management	Da	Da
IZVORNA DRŽAVA	OBSEG UPORABE	ZAČETNO IN KONČNO LETO
Švica	Nacionalni	--

**KONTAKTN
PODATKI**

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**REFERENCES
AND RESOURCES**

SPLETNA STRAN	VIRI
https://www.grstiftung.ch/de/search~grs-047-17~.html	--
SPLETNA STRAN PROJEKTA	--
REFERENCA PROJEKTA	--

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

