

## Drones in the Service of Forestry



*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 create 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

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### IZZIV

5. Izboljšanje gospodarske in ekološke učinkovitosti gozdne oskrbovalne verige

### DOMENA

Inventura, ocena, monitoring  
Gojenje gozdov, gospodarjenje z gozdovi, odpornost, ekosistemske storitve  
Raziskave in razvoj

### TIP REŠITVE

Senzorji, merilna oprema

### KLJUČNE BESEDE

Drones; Inventory; Management

### DIGITALNE REŠITVE

Da

### INOVACIJA

Da

### IZVORNA DRŽAVA

Švica

### OBSEG UPORABE

Nacionalni

### ZAČETNO IN KONČNO LETO

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## KONTAKTN PODATKI

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## REFERENCES AND RESOURCES

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### SPLETNA STRAN

<https://www.grstiftung.ch/de/search~grs-047-17~.html>

### VIRI

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### SPLETNA STRAN PROJEKTA

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### REFERENCA PROJEKTA

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**PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI**

Rosewood 4.0

**DATUM OBJAVE**

12 Aug 2021

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No.

862681

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**A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY**

