

## 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.

## MER INFORMATION

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### UTMANING SOM ADRESSERAS

5. Förbättra ekonomisk och miljömässig prestanda för skogsförsörjningskedjor

### DOMÄN

Inventering, värdering, övervakning  
Skogsförvaltning, skogskjötsel, ekosystemtjänster  
Forskning och utveckling

### TYPE AV LÖSNING

Sensorer, mätinstrument

### NYCKELORD

Drones; Inventory; Management

### DIGITAL LÖSNING

Ja

### INNOVASION

Ja

### UPPHOVSLAND

Schweiz

### POTENTIAL

Nationell

### START OCH SLUTÅR

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## KONTAKT INFORMATION

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## REFERENCES AND RESOURCES

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### HEMSIDA (HUVUDSIDA)

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

### PROJEKTETS HEMSIDA

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### PROJEKTFERENS

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### RESURSER

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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

