

## 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 INFORMASJON

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### UTFORDRING ADRESSERT

5. Forbedre den økonomiske og miljømessige ytelsen i skogbrukets forsynings kjede

### DOMENE

Inventering, vurdering, overvåking  
Skogforvaltning, skogskjøtsel, økosystemtjenester  
Forskning og utvikling

### TYPE LØSNING

Sensorer, måleinstrumenter

### NØKKEWORD

Drones; Inventory; Management

### DIGITAL LØSNING

Ja

### INNOVASJON

Ja

### OPPRINELSESLAND

Sveits

### POTENSIALE

Nasjonal

### START OG SLUTT ÅR

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## KONTAKT INFORMASJON

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## REFERENCES AND RESOURCES

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### HJEMMESIDE (HOVEDSIDE)

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

### PROSJEKTETS HJEMMESIDE

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### REFERANSE TIL PROSJEKT

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### RESSURSER

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood 4.0

INNLEGGSDATO

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

