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 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.

MER INFORMASJON

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

NøKKELORD

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

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

12 aug 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY