Arboair | High precision imagery for bark beetle detection



Precision forestry service that with the help of RGB and multispectral images from drones, airplanes, helicopters or satellites can detect bark beetle infected or stressed trees.

Today, the technology for identifying bark beetle attacks in the forest is largely based on manual work through visual checks of forest areas, where early attacks are almost impossible to see, while old attacks are easier to detect. Attempts have been made to identify damage attacks using satellite radar maps which give a good indication and can be seen as a complementing part to our precision analysis. Arboair Forest Mapper is a service where you analyze your images via our AI. Our model is trained on over 200 000 trees and it is verified by forest managers.

VEČ PODROBNOSTI

IZZIV

1. Izboljšava odpornosti gozdov in prilagoditev na klimatske spremembe

DOMENA

Inventura, ocena, monitoring

Motnje, tveganja, odziv na naravne nesreče

Raziskave in razvoj

TIP REŠITVE

Senzorji, merilna oprema

KLJUČNE BESEDE

Bark beetle; detection; drones; AI

DIGITALNE REŠITVE

Da

INOVACIJA

Da

IZVORNA DRŽAVA

Švedska

OBSEG UPORABE

Nacionalni

ZAČETNO IN KONČNO LETO

--

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

Paper Province

Marcus Drugge

drugge@arboair.com

www.arboair.com

POROČEVALEC

Paper Province

Gunnar Hellerström

g.hellerstrom@paperprovince.com

REFERENCES AND RESOURCES

SPLETNA STRAN

https://arboair.com

SPLETNA STRAN PROJEKTA

--

REFERENCA PROJEKTA

--

VIRI

--

LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE ORGANIZACIJE

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

12 Aug 2021

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

Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY