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.

MáS DETALLES

RETO ABORDADO

1. Mejorar la resistencia y la adaptación de los bosques al cambio climático

DOMINIO

Inventario, evaluación, seguimiento
Perturbaciones forestales, riesgos, respuesta a desastres
Investigación y desarrollo

TIPO DE SOLUCIóN

Sensores, equipos de medición

PALABRAS CLAVE

Bark beetle; detection; drones; AI

SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

Suecia

ESCALA DE APLICACIóN

Nacional

AñO DE INICIO Y FIN

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SITIO WEB PRINCIPAL

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SITIO WEB DEL PROYECTO

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REFERENCIA DEL PROYECTO

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RECURSOS

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ARBOAIR

PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

12 Ago 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY