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.

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

1. Verbesserung der Widerstandsfähigkeit der Wälder und ihrer Anpassung an den Klimawandel

SCHLüSSELWöRTER

Bark beetle; detection; drones; AI

HERKUNFTSLAND

Schweden

DOMäNE

Bestandsaufnahme, Bewertung, Überwachung

Waldstörungen, Risiken, Katastrophenschutz

Forschung und Entwicklung

DIGITALE LöSUNG

Ja

UMFANG DER ANWENDUNG

National

ART DER LöSUNG

Sensoren, Messgeräte

INNOVATION

Ja

ANFANGS- UND ENDJAHR

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REFERENCES AND RESOURCES

HAUPT-WEBSITE

https://arboair.com

PROJEKT-WEBSITE

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PROJEKT-REFERENZ

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RESSOURCEN

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LOGO DER BEST PRACTICE

LOGO DER HAUPTORGANISATION

ARBOAIR

PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor

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