

## 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.

## VIAC INFORMÁCIÍ

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### RIEŠENÁ VÝZVA

1. Zlepšenie odolnosti lesov a adaptácie na zmenu klímy

### DOMAIN

Inventarizácia, posudzovanie,  
monitoring/monitorovanie  
Disturbancie/kalamity, riziká, odpoveď na katastrofu  
Výskum a vývoj

### TYP RIEŠENIA

Senzory, meracie prístroje/meracie vybavenie

### Kľúčové SLOVÁ

Bark beetle; detection; drones; AI

### DIGITALNE RIEŠENIE

áno

### INOVÁCIE

Áno

### KRAJINA PôVODU

Švédsko

### ROZSAH APLIKÁCIE

Národný

### ZAČIATOK A KONIEC ROKA

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## KONTAKTNÉ ÚDAJE

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### REPORTÉR

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## REFERENCES AND RESOURCES

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### HLAVNÁ WEBSTRÁNKA

<https://arboair.com>

### PROJEKTOVÁ WEBSTRÁNKA

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### REFERENCIA PROJEKTU

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### ZDROJE

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PROJEKT, V RÁMCI KTORÉHO BOL TENTO INFORMAČNÝ PREHĽAD VYTVORENÝ  
Rosewood 4.0

DÁTUM ODOSLANIA  
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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

