

## 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.

## MAIS DETALHES

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### DESAFIO ABORDADO

1. Melhorar a resiliência e adaptação das florestas às alterações climáticas

### DOMÍNIO

Inventário, avaliação e monitorização  
Perturbações florestais, riscos e resposta a catástrofes  
Investigação e desenvolvimento

### TIPO DE SOLUÇÃO

Sensores, equipamentos de medição

### PALAVRAS-CHAVE

Bark beetle; detection; drones; AI

### SOLUÇÃO DIGITAL

Sim

### INOVAÇÃO

Sim

### PAÍS DE ORIGEM

Suécia

### ESCALA DE APLICAÇÃO

Nacional

### ANO DE INÍCIO E FIM

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## DADOS DE CONTACTO

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## REFERENCES AND RESOURCES

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### WEBSITE PRINCIPAL

<https://arboair.com>

### WEBSITE DO PROJETO

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### REFERÊNCIA AO PROJETO

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### RECURSOS

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PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA  
Rosewood 4.0

DATA DE ENTRADA  
12 Ago 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

