



**Erica Dahlberg och Erik Roos**

presenterar

**En syntetisk digital tvilling för ett bildseende precisionsskogsbruk**



# Agenda

- **Project members**
- **Challenges for the forest industry**
- **Our current solution**
- **What is synthetic data?**
- **Solution workflow**
- **Status**



# Project members

## Arboair

- Founded 2019
- 10 persons
- Software company leading the transition to a profitable and sustainable forestry
- Utilizing AI and image analysis

## Holmen

- Stakeholder of the project
- One of the largest forest owners in Sweden

## AI Sweden

- Connection to network and resources for the project



# Timeline

Alpha

Beta



2023



2024

2025

# Challenges for the forest industry

**1 Forest Damages**  
5 million m<sup>3</sup> of spruce was damaged 2022 by barkbeetle infestation.

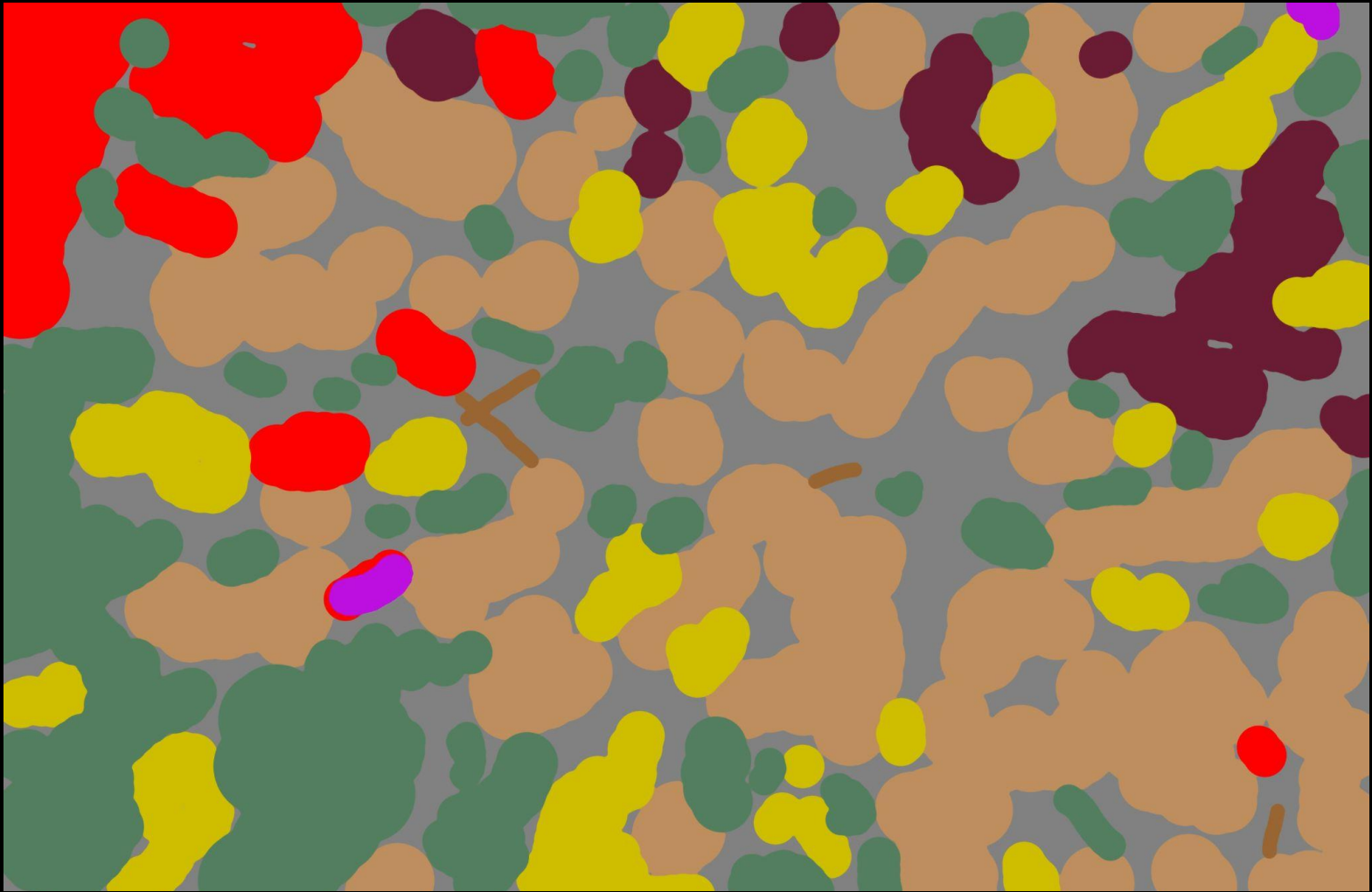
**2 Inventory**  
To invent large forest areas takes time and is not very precise.

**3 Competence**  
Competent employees are used for travelling and manual inventory instead of creating value.

**4 Keeping forest data updated**  
The forest and its environment is constantly changing making it hard to have detailed knowledge about it.











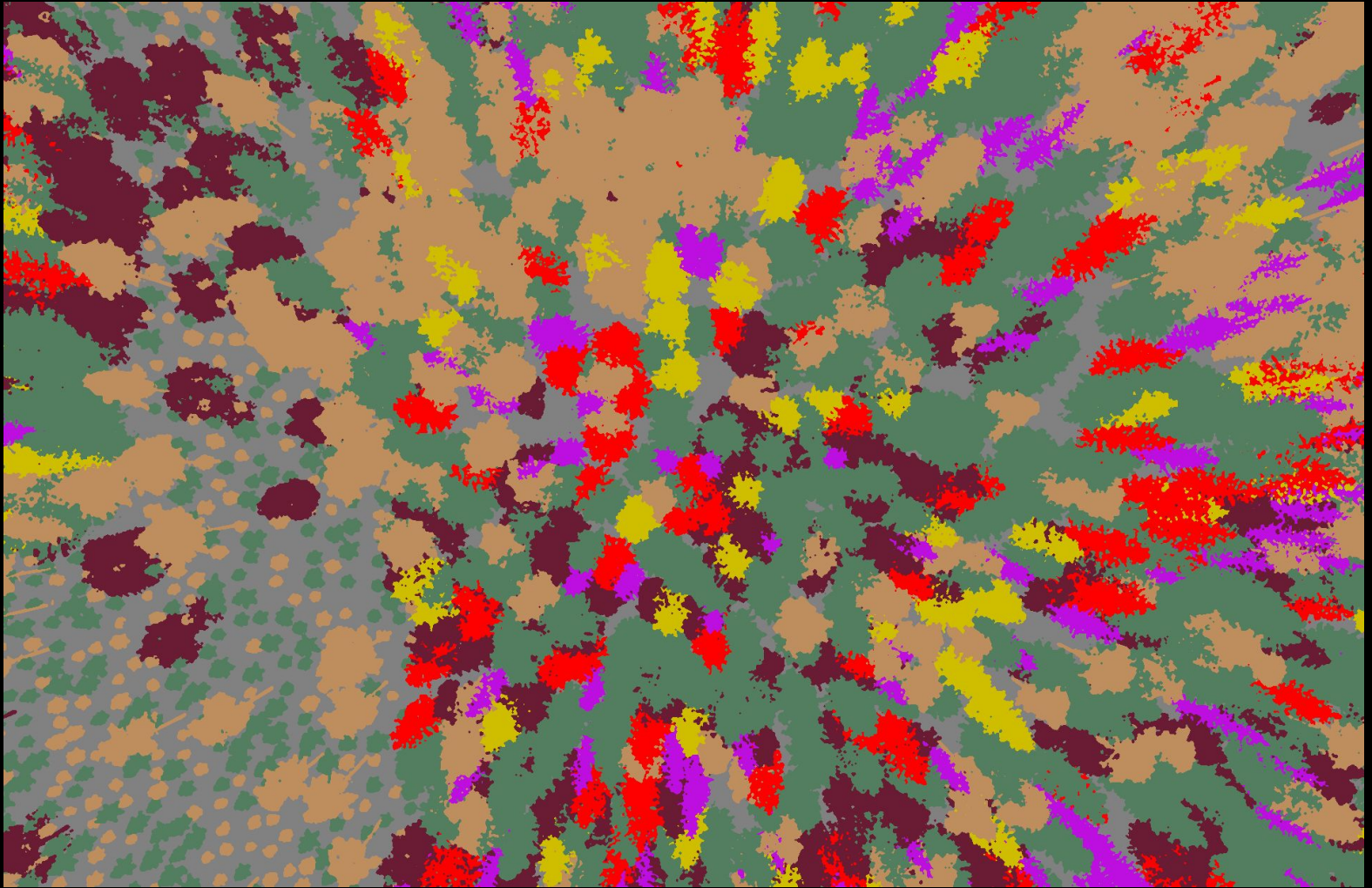
# What is Synthetic Data?

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# Solution workflow





# Status

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