

WOODS APP

YOUR FOREST
IN YOUR POCKET

Benedikt Pointner
Bitcomp GmbH

Bitcomp Group

We are Experts in Bioeconomy Field

We have a unique way of combining Satellite Data, Artificial Intelligence, Cloud Computing and Mobile Solutions

Our tools allow accurate, efficient and transparent management of natural resources

Motivation

Forestry is changing fundamentally

- **Climate change** influences forestry
 - Drought periods and storms have massive influence in forest management
- **10-year Planning Cycle** is very difficult to maintain
- Existing **Monocultures** must be transformed into stable, species-rich stands
- **Legal situation**
 - Private forest organizations have to take more responsibility. They have to get more professional
- **„Urban Forest Owners“**

We need efficient digital tools to improve forest management for private forest owners and forest associations



WOODSAPP[®]

YOUR FOREST IN YOUR POCKET

Satellite data from ESA,
highly frequent available



Cloud based processing,
machine learning methods
improved service quality

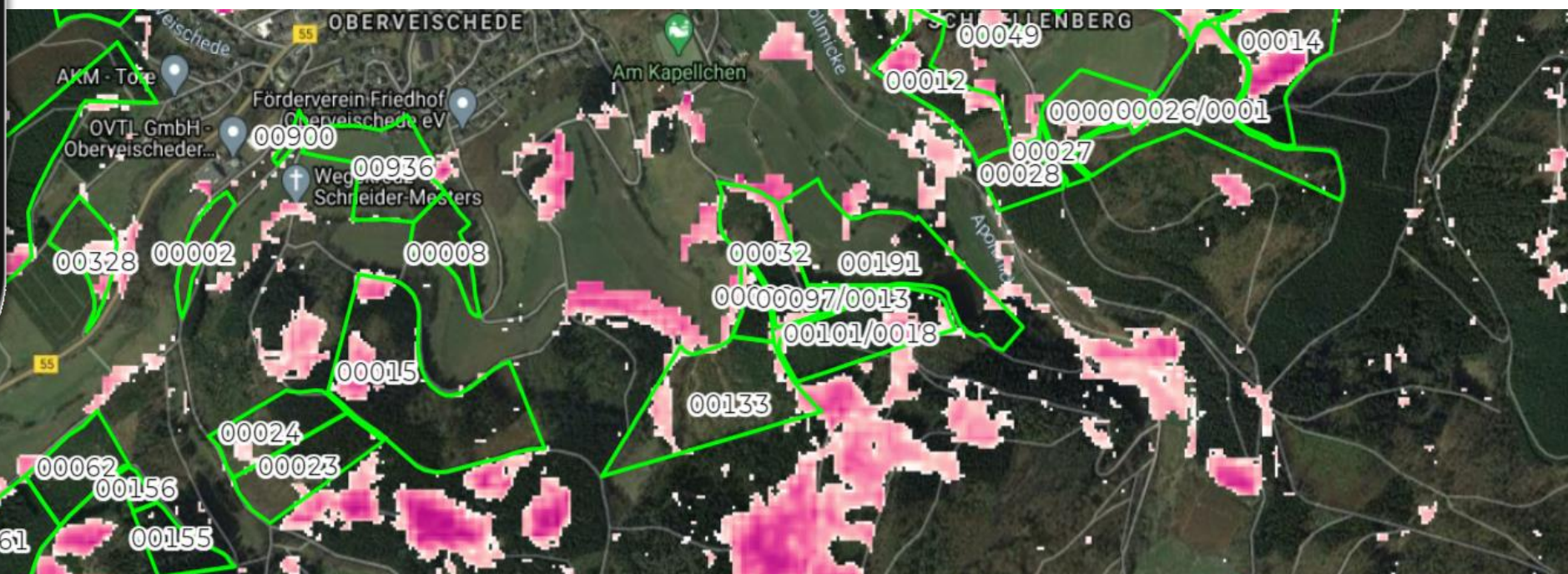


easy to use, easy to communicate
to private forest owners
forest associations
via mobile- and webapp

Monitoring Services for Forestry

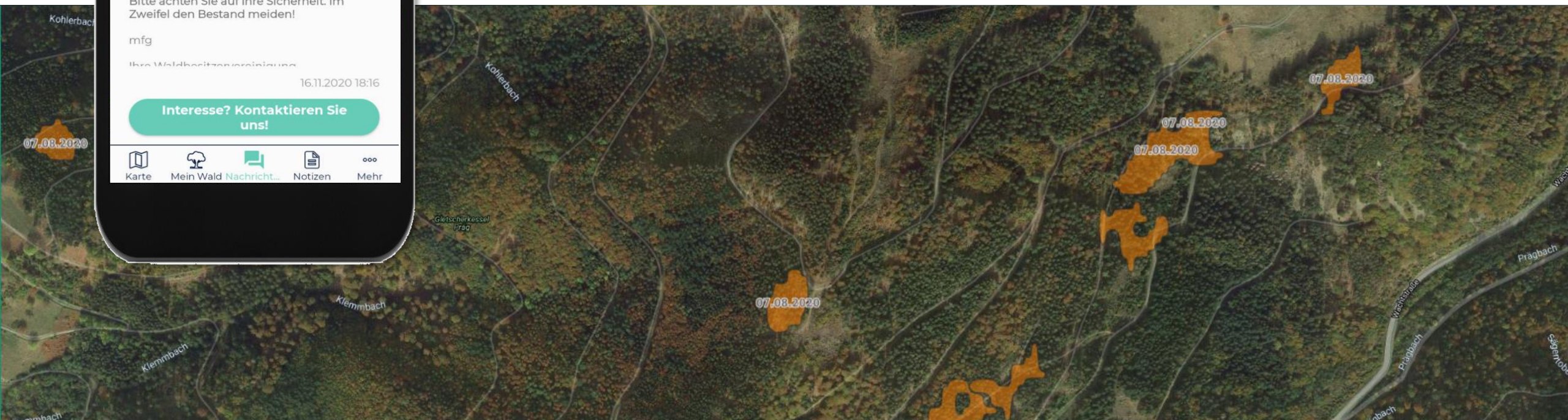


- A service detects automatically the vitality of trees
- up-to-date information for the decision-making process
- a new way of situational awareness on the entire surface



Communication

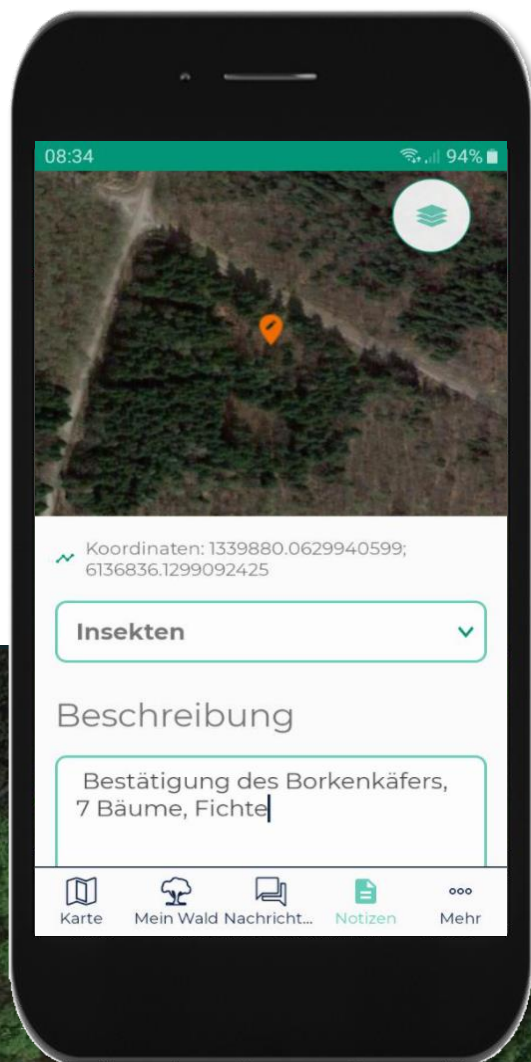
- another service detects changes in the forest
- the forest owner will be automatically notified, e.g. when a storm caused damage in his property
- remote sensing information combined with latest communication tools
- very fast reaction to current environmental influences



Communication / Feedback



- forest owners can send observations back to forest organizations (location, text, photos, videos)
- there will be a bidirectional channel between the forest owner and the forester





- New kind of data from satellites provide
 - current situational awareness of the forest areas
 - fast and exact reaction on negative influences
- Forestry associations increase service quality and act more efficiently with more small private forest owners
- Digital communication to individuals and groups reduces workload from forest organizations and improve service quality



- Urban forest owner will be motivated to let their forest manage in a professional way
- Thanks to digitization, we enter into a continuous, circular planning process, always considering the current situation

MANY THANKS FOR YOUR ATTENTION

CONTACT



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