

## Decay maps

Theme: Digitalisation of forestry management, inventory and monitoring – Digital solutions for forest pests and diseases

### 1. About Decay maps

CETEMAS developed an automatic tool for the generation of decay maps using multispectral data captured with Unmanned Aerial Vehicles (UAVs) and based on free software. The tool allows automatic mapping for pests and diseases risk management. A successful case study of this innovation is the detection of brown spot needle blight in pine forests, but the models could be adapted to detect other pests and diseases affecting the canopy.

[Learn more](#)

### 2. Potential collaborations

- CETEMAS wants to establish contacts with potential stakeholders interested in this tool or in its adaptation to other pests or diseases.
- In addition, there is an interest for the development of similar UAV-based tools.

### 3. Presentation

PDF: [Presentation Decay maps](#)

### 4. Contact

Covadonga Prendes Pérez

Predoctoral researcher

[cprendes@cetemas.es](mailto:cprendes@cetemas.es)

[CETEMAS](#)

Bº Pumarabule S/N, 33936 Carbayín, Spain