PLURIFOR PROJECT. EUCALYPTUS WEEVIL RISK WORKSHOP:TOOLS FOR MONITORING DEFOLIATION

Update of tools used in Asturias to deal with Gonipterus platensis

Region: Asturias (Spain)

2LURIFOR

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CETEMAS. Forest and Wood Technology Research Centre

(http://www.cetemas.es)





Private, not-for-profit organization (2009) Formed by a group of forest and timber companies and the Regional Government of Asturias

Objective: to promote research, development and innovation in the different sectors involved in the forest - industry value chain-.



What has CETEMAS done until now in the frame of PLURIFOR project?

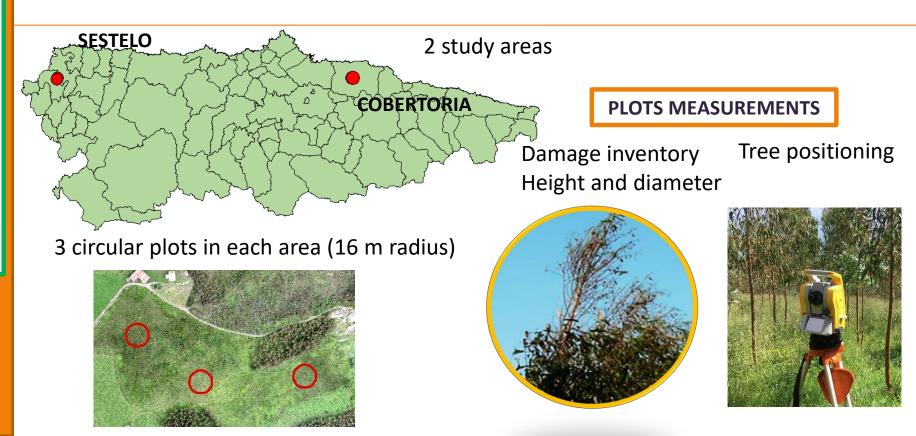
- We have installed 6 study plots in 2 eucaliptus stands attacked by *Gonipterus platensis*
- We have captured data in the study plots using a UAV with different cameras



PLOTS INSTALATION

The areas to be selected had to meet the following requirements

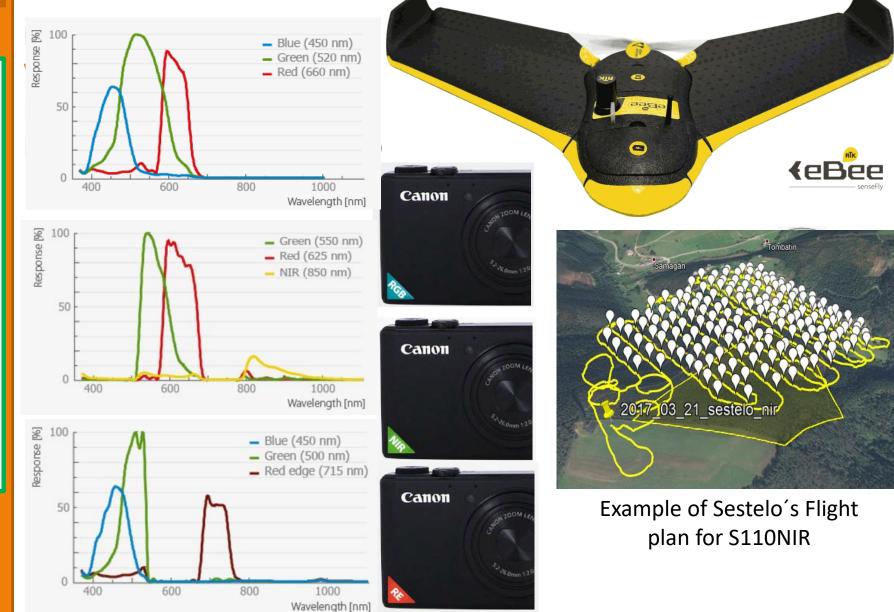
- Eucaliptus globulus young stands coming from PLANTATIONS (4-6 years old)
- Continous stands, at least 5 ha
- To install the plots in two areas with different degree of attack (Strong and weak)
- Differences in orography to install the plots along the study area (high, low and middle slope)





TOOLS FOR MONITORING DEFOLIATION

THE MAIN TOOL FOR DATA CAPTURING : EBEE RTK



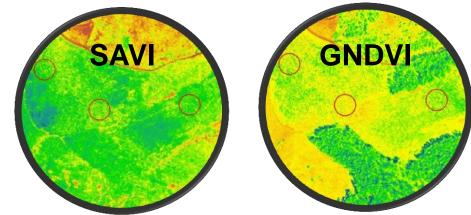


THE MAIN TOOL FOR DATA CAPTURING : EBEE RTK

Flights Calendar carried out in the 2 study sites

FLIGHT	COBERTORIA	SESTELO	CAMERA	
1	APRIL	APRIL	RGB/NIR/RE	
2	MAY	MAY	RGB/NIR/RE	
3	JULY	JUNE	RGB/NIR/RE	
	27 FLIGH	27 FLIGHTS IN TOTAL		

The radiometric calibration target allows the user to calibrate and correct the images reflectance, taking into consideration the illumination and some of the characteristics of the sensor



THANK YOU FOR YOUR ATTENTION

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