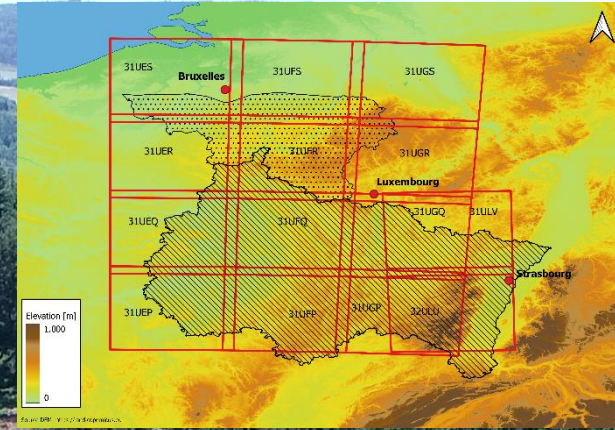
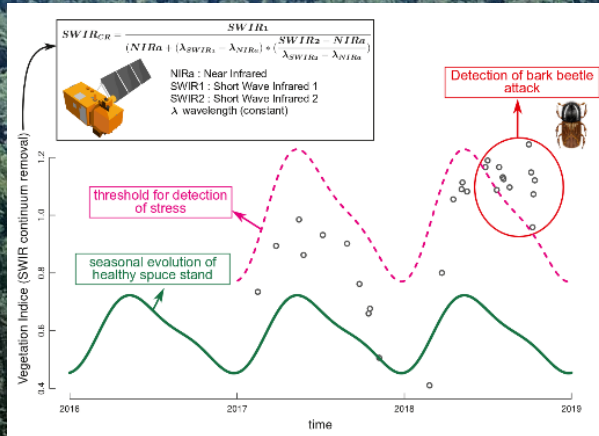


Understanding how bark beetles outbreaks are related to forest sites in Wallonia and the Grand-Est

A.Gilles¹, J. Lisein¹, H. Claessens¹

¹Forest is Life, ULiège – Gembloux Agro-Bio Tech, Gembloux (Belgium)

Since 2018, the spruce forest of Wallonia and the Grand-Est have been affected by bark beetle attacks. In order to better understand this crisis, we have monitored the evolution of affected areas according to altitude.

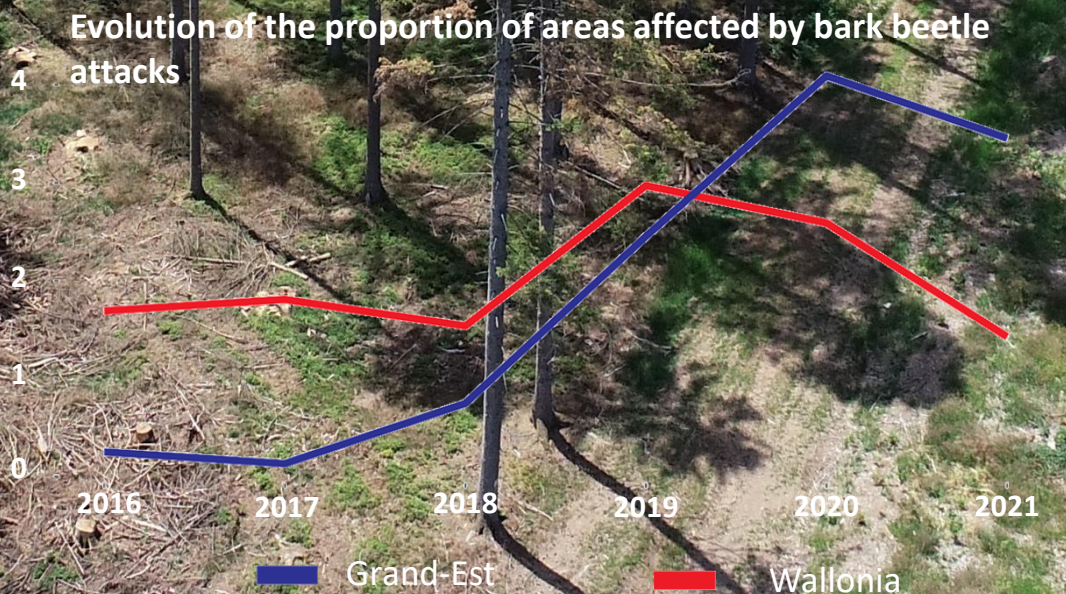


A methodology for monitoring the health status of spruce has been developed based on satellite imagery from the European Earth Observation Programme.

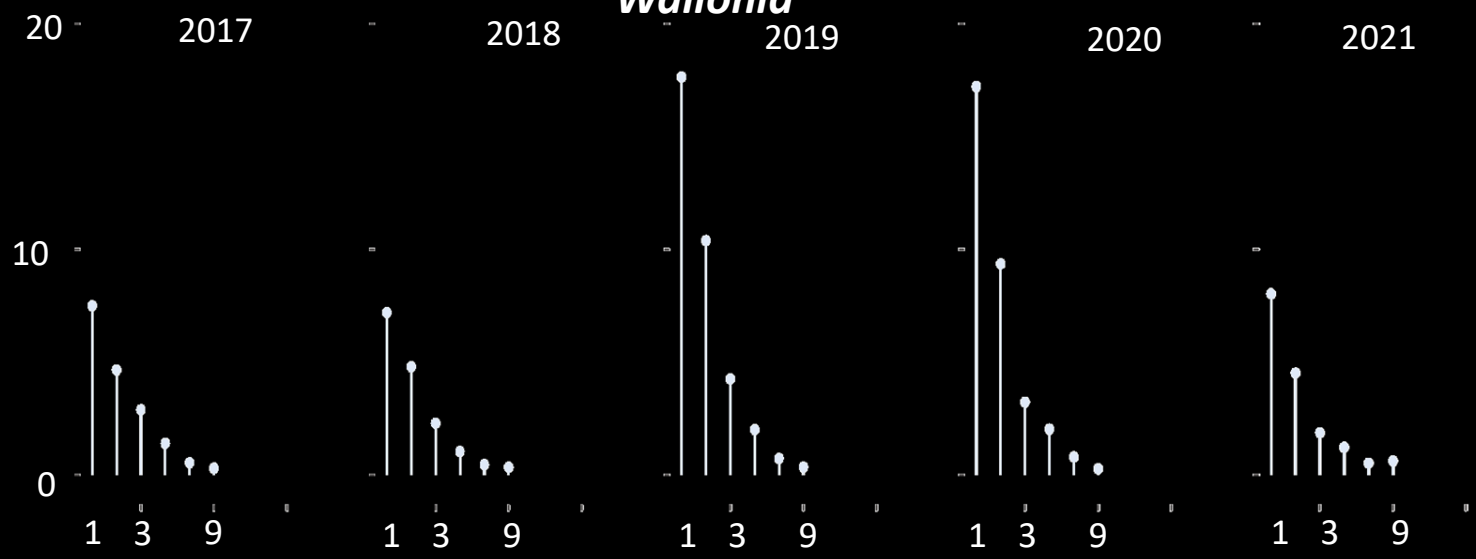


Conclusion:

- Wallonia, the peak of attacks was reached in 2019. Bark beetle attacks decrease along an altitudinal gradient.
- Grand-Est, was reached in 2020. There does not seem to be an effect of altitude.



Wallonia



Grand-Est

