

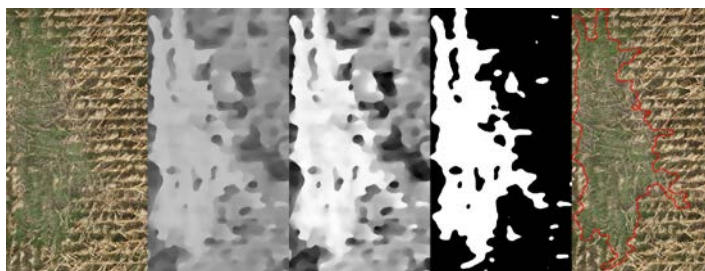
GreenTechLab is looking for You!

Field of Study: **Computer science**

Traject: **Internship / graduation**

High Tech Wildlife Damage Assessments

On the basis of the most recent figures (2016), it appears that in the Netherlands there is annual fauna damage of more than 21 million euros. Damage caused by wild animals, particularly to agricultural crops (grassland, maize, cereals, etc.). In the Netherlands it is agreed that in many cases this damage is eligible for compensation from the national fauna fund. A landowner can report the damage to the fauna fund. In order to be able to determine the damage, the fund sends an appraiser to the plot in question to carry out a damage assessment. Practice shows that there is often discussion about the extent of the damage and therefore the result of the valuation, resulting in legal proceedings. This has to do with the fact that valuation is done by the human eye and experience of people. In many cases, valuation is now 'an estimate' because it is impossible to measure exact surfaces of very erratic damaged surfaces. To get out of the discussion between landowners and the Fauna Fund, the solution can be found in technique.



High Tech wildlife damage assessment is at GreenTechLab a combination of drone images, image processing and Machine Learning. Technology is independent, objective, fast and possibly cheaper. You start with a technical investigation into which functionalities can be a solution for a digital damage assessment. These functionalities need to be implemented in a smart, creative way, where they also meet the set specifications. The final result provided by GreenTechLab and its partners is a digitally automated wildcard damage report. In this project, on the basis of a number of tests with, among other things, game damage caused by pigs and badgers in grassland and maize, tests will be carried out in Limburg and on the basis of analysis the feasibility of these new techniques for this application will be investigated. In this project a total of about 150 hectares of game damage parcels will be analysed using drone images. It is also possible to extend the assignment to water damage assessments.

You do your internship and graduation at GreenTechLab,. GreenTechLab is a technical Expertise Centre with a focus on the synergy between the agro-food sector and technology. This Centre of Expertise has a far-reaching partnership with Fontys Hogeschool Techniek en Logistiek in Venlo (FHTenL), where they are also based. The team consists of 7 specialists with a background in Mechatronics, Mechanical Engineering, Process Engineering, Industrial Product Design and ICT.

We are looking forward to your application!



www.GreenTechLab.nl/vacancies

