

## Template internship opportunities

<b>Title</b>	Plant acoustics vs physiology
<b>Company/Institute</b>	Plense Technologies
<b>Group</b>	Horticulture and Product Physiology
<b>Project type</b>	MSc internship (24 – 36 ECTS)
<b>Supervisor(s)</b>	Company: Thijs Bieling HPP supervisor: to be determined
<b>Contact info</b>	Please contact Katharina Hanika (katharina.hanika@wur.nl) if you want to know more about doing a thesis, internship or research practice at HPP.
<b>Planning</b>	Start: March Duration: 4-6 months
<b>Description</b>	<p>Our mission is to produce more food with less input. We believe in helping breeders and growers with insights in their crops, thereby making high-performance cultivation more accessible. For this we are developing sensors that 'listen' to plants.</p> <p>As a plant science intern at plense.tech you are at the forefront of unravelling plant responses with acoustics. The goal is to understand plant behavior using the newest technologies. You will be discovering new fast plant dynamics using novel ultrasound sensors, create methodologies for early water-, heat-, or disease detection and more.</p> <p>Your role will be to conduct experiments with different phenotyping technologies (including our novel ultrasound sensor) to collect data about plant behaviour. Next, with the help of our data scientist you will correlate the acoustic data to information about the plant like the dry weight percentage or the tension in the water columns.</p> <p>Are you impassioned by the prospect of unravelling the mysteries of plant science and being the first to apply new technologies? Seize this opportunity and embark on a journey with us!</p>
<b>Used skills</b>	You study plant science at MSc level You are familiar with plant physiology such as photosynthesis efficiency and sapflow You have a hands-on mindset and like problem-solving You have some experience in using technologies such as sapflow sensors You have some experience in data analysis
<b>Location</b>	Delft or remote