



Student job position: Master thesis (Agrobotics Project)

The Unit of Farm Accountancy and Advisory System is looking for a master student pursuing to write a thesis in the academic year 2020/2021 on a topic related to *Agrobotics* project exploring the impact of service robotics on land productivity, farm profitability and sustainability. Although, emerging digital technologies, such as Artificial Intelligence, robotics and Internet of Things, can play a considerable role in navigating the pathway to sustainable food systems, critics posit that the technological revolution does not solve the problem of hunger, malnutrition and environmental impact. Can emerging digital technologies help in achieving sustainable intensification of agriculture? The *Agrobotics* project evaluates the technology adoption of service robotics using Luxembourgish farm accountancy data (1998-2018) and compares the economic profitability and environmental impact between adopters and non-adopters.

We offer:

- Supervision of the master thesis (3-6 month)
- Basic gross salary (i.e remunerated for the entire period)
- Developing new skills and working experience in public administration

Requirements:

- Master student status in the academic year 2020/2021
- Holding a nationality from an EU Member State
- Master in Economics, Agricultural Economics, Agricultural Science, or any other study related to the master thesis topic
- Good knowledge of English, French, German and Luxembourgish is an asset
- Quantitative skills and experience with statistical programs (e.g R, Stata or SAS, MS Office)
- Team spirit and eager to learn new skills

Task description:

- Designing a survey on service robotics
- Dissemination of research findings
- Writing scientific publications and articles
- Organisation of farm advisory groups

The job application should be written in English, including curriculum vitae, motivation statement and copy of student card, and should be sent in a single file by latest the **12th of February 2021** to Dr. Nicolas Lampach (nicolas.lampach@ser.etat.lu).