

## Introduction to Infrared spectroscopy tools to investigate fermentation parameters

### Webinar

**23rd November 2021 – 14.00 : 16.00 (CET Time Zone)**

*This webinar is a good introduction for participants with none or little knowledge in vibrational spectroscopy. In 2 hours, we will go from the theory through practical examples selected from the Smartcow project. Speakers will seek to draw attention to particular point of focus.*

### Target participants

Scientists, R&D stakeholders  
PhD students

### Objectives

- Understand the principle of Infrared spectroscopy
- Understand the development of prediction models and the impact of key factors affecting the quality of predictions
- Study a specific example of using proxies to investigate rumen fermentation parameters

### Program

- 14h00-14h10: General presentation by Frédéric Dehareng (CRA-W)
- 14h10-14h50: Introduction to Infrared spectroscopy by Vincent Baeten (CRA-W)
- 14h50-15h30: Introduction to the development of prediction models and key factors affecting the quality by Clément Grelet (CRA-W)
- 15h30-16h00: Selected example: presentation of proxies to investigate rumen fermentation parameters developed in SmartCow project, by Amélie Vanlierde (CRA-W)

**Organizing center:** CRA-W, Centre wallon de Recherches agronomiques, (Belgium)

**Ref. INFR**