

## DATES

From Monday 29 September PM  
to Friday 3 October AM

## REGISTRATION FEE

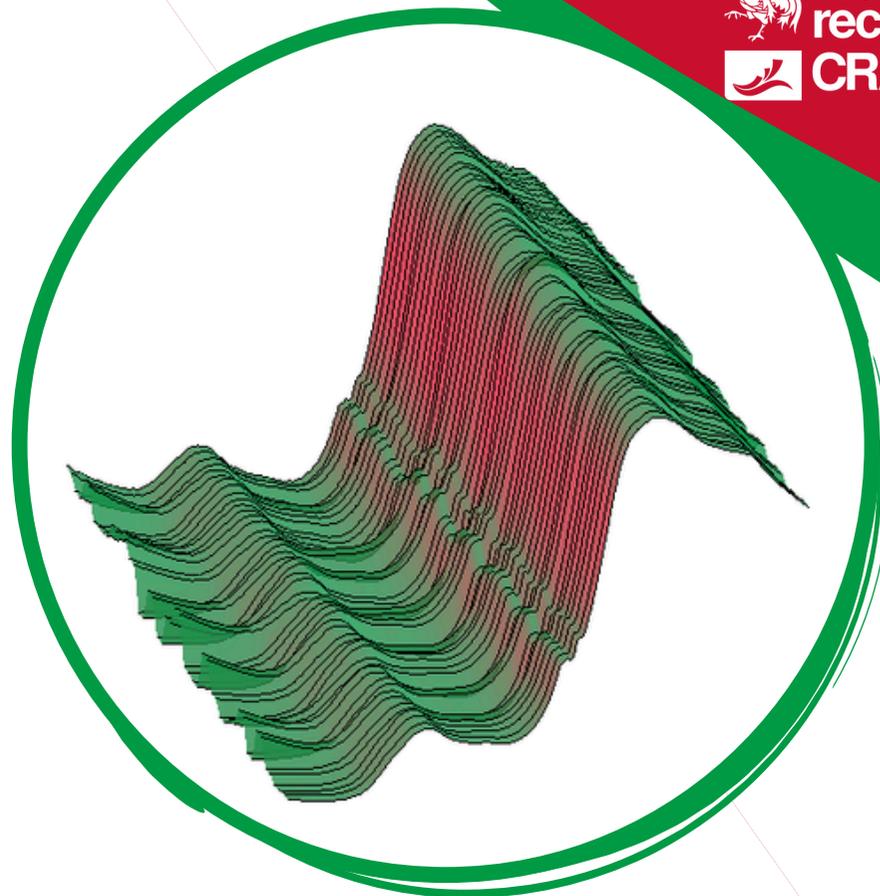
2500 €

50% discount for students (1250 €)

including attendance to the training, training material,  
coffee breaks, lunches and participation to a social  
event

## REGISTRATION

<https://gqr.sh/bbn2>



# XVII<sup>th</sup> Vibrational Spectroscopy and Chemometrics Training Course

29 September to 3 October 2025

## CRA-W

Walloon Agricultural  
Research Center

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Walloon Agricultural  
Research Center (CRA-W)  
Gembloux, Belgium

# Theoretical and practical course dedicated to scientists and industry professionals seeking to discover or improve their skills in spectroscopy and chemometrics

## Speakers

### *Spectroscopy*

- Vincent BAETEN
- Audrey PISSARD
- Louis PATERNOSTRE
- Octave CHRISTOPHE

### *Applications*

- Philippe VERMEULEN
- Corentin DEMOITIE
- Damien VINCKE

### *Chemometrics*

- Juan Antonio FERNANDEZ PIERNA
- Antoine DERYCK
- François STEVENS

## Invited speakers



**Beatriz Carrasco**  
Mining4Quality



**Tom FEARN**  
University College  
London



**Wouter Saeys**  
KU Leuven



**Pierre DARDENNE**  
Consultant

## During this course you will

- Gain a solid understanding of **spectroscopic techniques** like near infrared (NIR), mid-infrared (MIR), and Raman.
- Discover many spectroscopic **instruments**, including benchtop, handheld, and imaging systems.
- Learn fundamental **chemometric methods**, including principal component analysis (PCA), partial least squares (PLS), support vector machines (SVM) and local approaches.
- **Practice** chemometric data analysis using specialized software and real datasets.
- Learn to **develop predictive models** you can trust—built on controlled data, rigorously validated and monitored.
- Explore **real-world applications** of vibrational spectroscopy on many diverse plant, feed and food products.
- Engage in **discussions with experts** on all methods and techniques covered during the training.

## About us

Established in 1872, the CRA-W is a leading scientific institution under the Walloon Ministry of Agriculture, employing some 430 people, including 140 scientists. The **Knowledge and Valorization of Agricultural Products Department** has internationally renowned expertise in spectroscopy and chemometric analysis, particularly applied to the quantitative management of agri-food products. The **Quality and Authentication of Products Unit** has recognized experience in developing rapid, multi-analyte, and untargeted methods based on vibrational spectroscopy and chemometrics.