Training course

Gold standard methods to assess key phenotypes in ruminant nutrition
Intake, whole tract digestibility, N balance, CH4 emission and feed efficiency

Organizing center: INRA (France)

Type of training: face-to face

Target participants:

Scientists, RI technicians, stakeholders
Bachelor, Master or PhD students

Training objectives

After the training session, the trainee will be able to:
- Understand the importance of targeted phenotype and its biological significance for both purposes : feed evaluation, and individual phenotyping
- Understand the technical, biological and ethical limits of gold standard methods for both purposes

Pre requisite skills

Knowledge on ruminant digestion and nutrition

Program

Assessing feed intake, whole tract digestibility, N balance, CH_4 emissions (considering open chambers as gold standard method but also other methods such as the SF6 tracer technique and GreenFeed) and feed efficiency in cattle
Biological significance of these phenotypes, and the advantages and limits (technical, biological and ethical) of each gold standard measurement method

Pedagogical approach: Lectures, study case and practical sessions in INRA facilities and laboratories

Trainers

Cécile Martin, Gonzalo Cantalapiedra-Hijar, Pierre Nozière and René Baumont (Inra)

Location: INRA Center, Theix (France)

Duration: 3 days

Dates of course

15th to 17th October, 2019

Deadline for registration: 15 th July 2019

Ref GSM