



## **SmartCow**

*an integrated infrastructure for increased research capability and innovation in the European cattle sector*

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# SmartCow's training and capacity building activities

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# What is the training and study tour program ?

It consists of :

- Face-to-face training courses (1-3 days)
- Web conference training courses, accessible with PC, Internet + phone (2 hours)
- One-day study tours

It aims to share the results of the project : methods, techniques, use of tools...

It includes lectures, exchanges with scientists, visit of RI facilities and farms...

# Trainers and targets

- Trainers : scientists from the partner organizations involved in the project : Inra, SRUC, Aarhus University, FBN Leibniz, Teagasc, CRA-W and Irta
- Targets : researchers, scientists, technicians... from research organisations, industry, advisory bodies, farmers' organisations...

# Budget and language

- The project covers the tuition fees
- The project doesn't cover the travel expenses of the participants
- The Web conference training courses are completely free for the participants
- Courses in English

# How does it work ?

- A first training catalogue and study tour is already available
- It will be updated as the project advances
- Candidates can already preregister
- Dates of the training courses will be set according to the received preregistrations

# Training courses

	Period	Organizing center	Type
<b>Gold standard methods to assess key phenotypes in ruminant nutrition</b>	Spring 2019	INRA	Face to face
<b>Measurement techniques and proxies for ruminant methane emissions</b>	2019	SRUC	Web Conference
<b>Measurement techniques and proxies for feed efficiency of beef cattle</b>	2019	SRUC	Web Conference
<b>Feed efficiency in dairy cattle</b>	2019	IRTA	Web Conference
<b>Ethics and welfare in animal experimentation</b>	Spring or autumn 2019	INRA	Face to face
<b>Respiration chamber and methane emission</b>	Late 2019, early 2020	FBN Leibniz	Face to face
<b>Ontologies in SmartCow</b>	Early 2020	INRA	Face to face
<b>Validation and use of sensor outputs for recording animal behavior</b>	Early 2020	Aarhus University	Face to face
<b>Introduction to Infrared spectroscopy tools developed in SmartCow</b>	In the second half of 2021	CRA-W	Web Conference
<b>Biomarkers assisted-predictions of feed efficiency and their main determinants</b>	Late 2021	INRA	Web Conference

# The study tour program

	Period	Organizing center	Location
<b>Innovations to improve feed efficiency, reduce GHG emissions and improve the welfare of beef cattle</b>	February or March 2019	SRUC	UK
<b>INRA Herbipôle: A European Research Infrastructure on cattle in mountain grassland area</b>	October 2019	INRA	France
<b>Danish Cattle Research Centre</b>	Early 2021	Aarhus University	Denmark
<b>Intensive grazing systems in temperate climates</b>	Early 2022	Teagasc	Ireland

# For further information

Download the detailed catalogue  
from [www.smartcow.eu](http://www.smartcow.eu)

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Thank you for your attention !