

Transnational access to leading cattle research facilities within the EU SmartCow project

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What is Transnational access?

- Funding to support academic and/or industry teams to run studies in the facilities of SmartCow partners:
 - 18 research installations in 7 countries
 - Dairy and beef - different breeds, genotypes and systems
 - Advanced facilities for nutrition, physiology, ethology and husbandry
- Also encouraging new users, early-career scientists and users without access to facilities locally
- Total budget was €1.5 million and 10,000 experimental 'cow-weeks' were available across the facilities of Aarhus University, FBN, INRAE, IRTA, SRUC, Teagasc, University of Reading, Wageningen University and WUR-DLO
- Transnational = majority of team in a different state



How did it go?

- Four calls for proposals were made over the period 2018 to 2020
- 47 full proposals received – 19 from academic teams and 28 from industry
- Independent and ethical reviews led to selection of 24 projects
- Successful proposals led by teams from Austria, Bulgaria, Denmark, France, Germany, Ireland, Macedonia, Norway, Spain, Switzerland and the UK
- Some presentations in this session; completed projects include:
 - Diet effects on rumen functioning and methane emissions
 - Diet effects on cheese quality
 - Multi-species sward effects on performance
 - Amino acid nutrition of dairy cows
 - Sensor technologies for both feed and cow stress evaluations

