

Description of Working groups

Aim with network

- Establish a network of European researchers that enables large-scale methane measurements on individual ruminants for genetic evaluations
- Highly interdisciplinary: Geneticists, Rumen physiologists, Microbiologists, Engineers, Bioinformaticians, Management

Work groups

- 1) Define best trait for methane emission
- 2) Harmonise protocols for large-scale methane measurements using different techniques
- 3) Identify proxies for methane emissions to be used for genetic evaluations
- 4) Quantify benefits for producers when incorporating methane emissions into national breeding strategies
- 5) Knowledge and management exchange

Work group management

- Group 1) Bjorn Kuhla and David Ruiz
- Group 2) Phil Garnsworthy and Eva Lewis
- Group 3) Enyew Negussie and Filippo Biscarini
- Group 4) Eileen Wall and Nicolas Gengler
- Group 5) Marjolein Neuteboom

Deliverables

1. Define best trait for methane
 - Inventory of factors associated with variation in methane (D1.1)
 - Description of protocols and units for methane measurements (D1.2)
2. Compare and calibrate measurements
 - Inventory of all possible techniques (D2.1)
 - Conversion factors between these techniques (D2.2)
 - Combining methane data from several countries (D2.3)

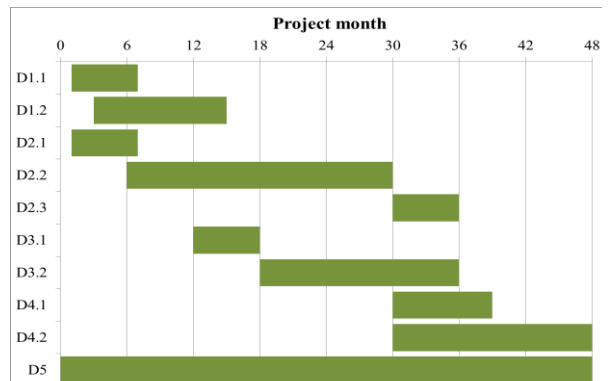
Deliverables

3. Identify proxies for methane emission
 - Brainstorm proxies for methane emissions (D3.1)
 - (in)validate easy to measure, inexpensive indicators of methane (D3.2)
4. Quantify benefits for producers
 - Description of importance of methane emissions in breeding goals (D4.1)
 - Indication of benefit for producers when breeding for methane (D4.2)

Deliverables

5. Knowledge and management exchange (D5)
 - Organisation of specialised workshops
 - Arrangements of Short Term Scientific Missions
 - Exchange knowledge
 - Scientific community, policy makers, primary producers, animal breeding organisations
 - Dissemination and sharing of information
 - Share points, social media, conferences, scientific papers and articles for industry

Time table



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Deliverables

- Meetings (skype + physical)
- Output (review, inventory, meta-analysis, protocols)
- STSM/ students ESR
- Joint papers + conference proceedings + books
- Dissemination: press release, website,
- Training schools /workshop

Deliverables

- New contacts outside science: industry, politics
- Connect to other projects: EU World Wide
- Connect to other actions
- New applications /proposals (ITN H2020 Eranet)
- Guest lecturers/courses
- ANIMAL TASK FORCE