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Sm@RT: Small Ruminant Technology - PLF and Digital Technology for Small Ruminants

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Outline



- 1. Context
- 2. Project
- 3. Partners
- 4. Sm@RT concept
- 5. Recent activities
- 6. What next?





Context



- Sheep & Goats in Europe
- Challenging environment
- Varied production systems
- Important societal, environmental and cultural roles
- Labour issues
- Technology & innovation uptake is slow
- PLF & DT can provide production efficiency





PLF & DT



- Application to in Sheep & Goats?
- Advantages/Opportunities?
 - Generalisation of EID
 - 64% of farmers see as opportunity
 - Development of IoT
- Misconception around the technology





Sm@RT – The project



- EU Thematic Network funded project
- Start Jan 2021 for 3 years
- 11 partners, 8 countries
- o UK SRUC, MRI
- France Idele, INRAe, IEIC
- Italy Agris Sardegna
- Norway NIBIO
- Ireland Teagasc
- Estonia Estonia University of Life Science
- Israel Agricultural Research Organisation
- Hungary University of Debrecen
- Sheep & Goats



Work thematic





Digifarms





Relationships within project





A multi-actor/cross-fertilisation approach



Sm@ll Ruminant Technologies

Project WPs





Project steps





Project steps



Every 6 months 1 Ĵ \$

TNWS, Final seminar

STG

Step 1 - Survey

- Online survey on PLF & DT use and needs
- April July 2021
 - farmers, vets, scientists, value chain

Country	No.
Israel	49
Italy	136
Ireland	96
Norway	50
France	157
UK	85
Other	9
Estonia	41
Hungary	46
Total	669

Respondents profile

Respondents profile

Farmers' priority list

Assuming you could get some of the following products for free, please rank **the 5 most beneficial to your system**

Farmers' scoring for systems

Assuming you could get any of the following tools for free, how much would you like to use them?

Analyse survey in detail

- By production (meat sheep/dairy sheep/dairy goats)
- By system (outdoors/indoors/mix)
- Consider non-farmers
- Complete 1st series of national workshops
 - Survey results
 - Needs/barriers
- Run the 1st TNWS
- Complete inventory of PLF & DT tools

Next steps?

1st TNWS – online 12th October

Project open to all and we expect a wide participation

Contact <u>claire.morgan-davies@sruc.ac.uk</u>

Follow us on social media and

website:

www.h2020-smart.eu

The EU-funded Sm@RT (Sm@ll Ruminant Technologies) project brings together network of researchers, farmers & advisors from across Europe who will improve awareness amongst those working in the farming industry of newly available PL tools, demonstrating their potential and possible return of investment.

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