

TechCare Partners



For more information about the TechCare project:

Project Coordinator:

Dr. Claire Morgan Davies, (SRUC)

Claire.morgan-davies@sruc.ac.uk

Contact person:

France: Blandine Fagot, (Idele) - Blandine.fagot@idele.fr

Greece: Evangelia Sossidou, (ELGO-DIMITRA) - sossidou@vri.gr

Ireland: Tim Keady, (Teagasc) - tim.keady@teagasc.ie

Israel: Ilan Halachmi, (ARO) - halachmi@volcani.agri.gov.il

Italy: Giovanni Molle, (Agris Sardegna) - gmolle@agrisricerca.it

Norway: Lise Grøva, (NIBIO) - Lise.grova@nibio.no

Romania: Ludovic Csiszter, (BUAS Timișoara) - ludoviccziszter@usab-

tm.ro Spain: Gerardo Caja López, (UAB) - Gerardo.Caja@uab.cat

www.techcare-project.eu



 The TechCare project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement N°862050.

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Context

Precision livestock farming (PLF) is widely adopted in the management of high-value animals, but not in sheep and goats, or in extensive management systems. This is despite the very significant welfare and production efficiency advantages that can be achieved by applying PLF in these contexts.

Digital technology, sensor technology, massification of data and data processing can all play a central role in the potential for sheep and goat welfare management, but economic and uptake challenges must be addressed if there are to be adopted across the EU.

Objectives

The objectives of TechCare are to propose innovative and cost-effective technologies to improve welfare management in small ruminants

- With technologies adapted to small ruminant production
- By considering the whole production chain (from farmers to consumers and regulators)
- With adapted early warning systems
- Using appropriate business models

5 key steps

1. Prioritise welfare challenges and issues
2. Identify potential innovative technologies solutions
3. Validate the solutions in different and real conditions (pilots and commercial farms)
4. Define appropriate business models
5. Communicate widely the results to the small ruminant sectors and beyond



2 main outputs

1. Ready to use PLF solutions for small ruminant welfare management across Europe (tested and validated)
2. Guidelines/blueprints for adapted solutions that are not ready yet to be widely adopted or deployed at larger scale



Project partners

- France: Idele, INRAE, Agdatahub, CNBL, PageUp
- Greece: ELGO-DIMITRA
- Ireland: Teagasc
- Israel: ARO, Spark
- Italy: Agris Sardegna, EAAP, Abinsula
- Norway: NIBIO
- Romania: BUAS Timișoara
- Spain: Oviaragón, UAB
- UK: SRUC, MRI, Breedr

Duration: 1st September 2020 – 31st August 2024
Project amount: 5.7 million Euros

Map of large scale studies and pilots

