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Partners

Institut National de la Recherche Agronomique (FR) www.institut.inra.fr

Aarhus Universitet (DK) www.au.dk

Agriculture and Food Development Authority (IE) www.teagasc.ie

Bayerische Landesanstalt Fur Landwirtschaft (DE) www.lfl.bayern.de

Centro de Investigacion y Tecnologia Agroalimentaria de Aragon (ES) www.cita-aragon.es

Federazione Europea di Zootecnica (IT) www.eaap.org

European Forum of Farm Animal Breeders (NL) www.effab.info

Forschungsinstitut fur Biologischen-landbau Stiftung (DE) www.fibl.org

Fundacia imienia Stanislawa Karlowskiego (PL) www.juchowo.org

INRA Transfert S.A. (FR) www.inra-transfert.fr

Institut De L'Elevage (FR) www.idele.fr

NOLDUS Information Technology BV (NL) www.noldus.com

Raft Solutions Limited (UK) www.raftsolutions.co.uk

New MEDRIA (FR) www.medria.fr

Scotland's Rural College (UK) www.sruc.ac.uk

Stichting Dienst Landbouwkundig Onderzoek (NL) www.wur.nl/en/Expertise-Services/Research-Institutes.htm

Sveriges Lantbruksuniversitet (SE) www.slu.se

VikingGenetics FMBA (DK) www.vikinggenetics.com

Union Nationale des Coopératives Agricoles d'Elevage et d'Insémination Animale www.allice.fr

Universidad de Lleida (ES) www.udl.es

Universita Degli Studi Di Padova (IT) www.unipd.it

The following third parties are involved:

Chambre d'Agriculture de Saône et Loire www.sl.chambagri.fr

Chambre Régionale d'Agriculture de Bretagne www.bretagne.synagri.com

SARL Ferme Expérimentale de Thorigné d'Anjou www.pays-de-la-loire.chambres-agriculture.fr

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GENTORE

GenTORE - GENomic management Tools to Optimize Resilience and Efficiency

21 Partners 5 industry, 10 research, 4 extension organisation, 2 organic farming, 1 management
Project duration 1 June 2017 – 31 May 2022

www.gentore.eu

WHAT WE ARE

GenTORE is a five-year EU project that will develop innovative genome-enabled selection and management tools to enable farmers to optimize the tricky balance between cattle resilience and efficiency (R&E) in widely varying and changing environments. There will be 6 research work packages and outreach, dissemination and training are vital components throughout. Precision phenotyping is a core activity and will offer farmers a revolutionary approach to select the best animals for their system.

WHY

In today's modern animal agriculture there is an increasing need to balance resilience and efficiency. Animals need to be more resilient because their nutritional needs differ under different production systems and grazing environments. They also need an ability to recover from challenges like diseases which can vary across environments and farm systems. Although the importance of balancing resilience and efficiency for production purposes is clear, the problem is that it's still difficult to measure them on research farms, and almost impossible to measure under commercial conditions.
This limits the ability for animal breeders to select for resilience and efficiency and farmers to assess and manage their livestock for an optimal balance under their system.

INCLUSIVE STAKEHOLDER INVOLVEMENT FROM THE START

GenTORE embraces a multi-actor approach across 15 countries with half the 21 Consortium members from industry including breeding associations, trans-national organizations, farm management and veterinary advisory services and farm technology companies.

These ***stakeholders***, directly engaged with GenTORE from the start, represent a core that will be enlarged with other stakeholders who are keen to be bring their input and to be recipients of new technologies and data.

The inclusion of stakeholders from the beginning of the project is a major plus as it will bring in many more ideas and views. It also means all outputs will be fit for purpose and be immediately relevant to what is happening in daily practice on beef and dairy farms. They will also be more user-friendly and thus adopted rapidly and seamlessly by farmers and breeders and used long-term.

By combining research and outreach GenTORE will make a significant contribution to addressing the challenges facing farming in a changing and volatile world.

Interested to participate in the GenTORE project? Get in touch NOW.

GENTORE

GenTORE - GENomic management Tools to Optimize Resilience and Efficiency

IMPACT

The tools developed by GenTORE will be practical and applicable across multiple cattle breeds ***(beef, milk and dual purpose)*** and systems **(conventional and organic)**. They will help increase the economic, environmental and social sustainability of European cattle production systems. All tools will be tested on farms. Techniques will include:

- Improved methods for genomic analysis
- New indicators for on-farm phenotyping and related data analytic tools
- New ways to measure local production environments
- On-farm management index