

ReDiverse |

BIODIVERSITY WITHIN AND BETWEEN EUROPEAN RED DAIRY BREEDS – CONSERVATION THROUGH UTILIZATION

CHALLENGE

European Red Dairy Breeds (ERDB) represent a unique source of genetic diversity. They are partly organized in trans-national breeding programs, but are also well adapted to local conditions providing regional identity of products for consumers. Despite their unique properties, they are increasingly being replaced by Holstein cows, and animal genetic diversity has been declining at an alarming rate.

OBJECTIVES

The aim is to conserve and utilize the unique biodiversity of ERDB via improved genetic management together with acceleration of genetic gain for key dairy traits.

EXPECTED RESULTS

Collaborative and integrated novel breeding and management concepts will be developed to achieve a resilient and competitive use of these resources. Best practices for small farm holders will be strengthened to improve product quality and supply ecosystem services according to their specific circumstances. Large scale genomic and proteomic tools will be implemented to enhance genetic progress and to characterize specific properties. Innovative surveys will assess the impact of the sector on social acceptance and the needs of farmers.

POTENTIAL IMPACT

The project will generate novel knowledge and concepts that will be disseminated to lead-users such as the breeding and dairy industry, food sector, farmer cooperatives and farmers. The trade-off between economic, environmental and social interests will ensure sustainable dairy production, improve animal welfare and help to develop rural landscape.





EUROPEAN RESEARCH AREA ON SUSTAINABLE ANIMAL PRODUCTION

REDIVERSE CONSORTIUM



ERA-NET **SUSAN**

Country	Consortiumpartners	Funded by
DE	Kiel University Rinderzucht Schleswig-Holstein eG	BMEL
DK	Aarhus University University Hohenheim	DAFA
LV	Animal Breeders Association of Latvia	VIAA
LT	Lithuanian University of Health Sciences The Lithuanian Red Cattle Improvement Association	Moa ZUM
NL	CRV BV Wageningen UR Livestock Research	Other NWO
NO	Norwegian University of Life Sciences	RCN
PL	Wroclaw University of Environmental and Life Sciences	NCBR
SE	VikingGenetics Swedish University of Agricultural Sciences	Formas



CONTACT:

CAU
Prof. Dirk Hinrichs
dhinrichs@tierzucht.uni-kiel.de

WEBSITE:

www.era-susan.eu

RUNNING TIME

From 1 September 2017 until 31 August 2020

FUNDING



The research is funded as a part of the ERA-Net Cofund SusAn (grantnr 696231) through a virtual common pot model with EU top-up and received 1.720.000 €.