Re-Livestock
RESILIENT FARMING SYSTEMS

Facilitating innovations for Resilient Livestock farming systems

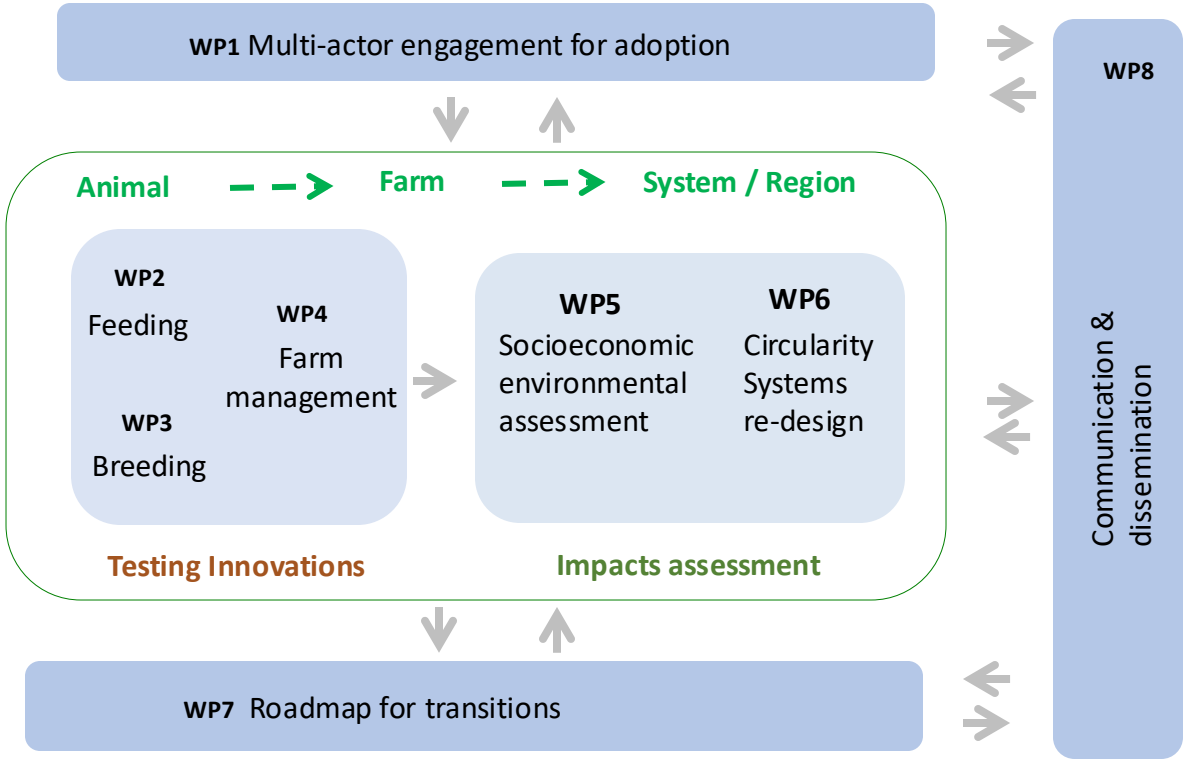
Sept. 2022 – Aug. 2027

Objective

to evaluate and mobilize the adoption of innovative practices applied cross- scale (animal, herd, farm, sector and region) to

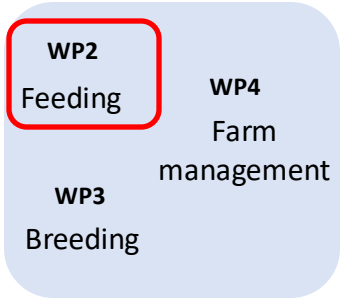
- **reduce GHG** emissions from livestock farming systems (cattle & pigs) &
- increase their capacity to dealing with potential **climate change** impacts.

Work Packages



Work Packages

Feeding
Low C footprint feed materials
More mitigation from grasslands
Feed additives
Feeds for adaptation to climate change



Testing Innovations

Work Packages

Breeds

Holstein Friesian (UK, DK, IT, ES, NL, PO)	*Mora Romagnola, Cinta Senese, Iberian, Złotnicka Pstra i Złotnicka Biała, (IT)*
Jersey (UK)	*Swiss Large-White (CH)*
Sussex (UK)	*Polish Large-White × Polish Landrace (PO)*
Avileña-Negra Ibérica (ES)	*Puławska (PO)*
Swiss Fleckvieh CH)	*Naima × Polish Landrace (PO)*
Swedish red (SE)	*Iberian (ES)*
Angus (AUS, UK)	*Iberian x Duroc (ES)*
Parda Montaña / Parda Leche (ES)	*Cosmopolitan (ES)*
Red Holstein x Simmental (CH)	*Duroc × Yorkshire × Landrace (DK)*
Limousin (CH)	*Large White, Landrace, Duroc lines (ES, IT)*
Retinta (ES)	

WP2
Feeding

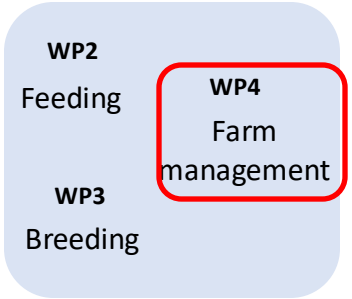
WP4
Farm management

WP3
Breeding

Testing Innovations

Breeding for heat tolerance

Work Packages



Testing Innovations

Farm management
Cattle and pigs indoor systems
Manure management in landless systems
C sequestration and nutrient recycling
PLF mitigation & adaptation

Project website

www.re-livestock.eu

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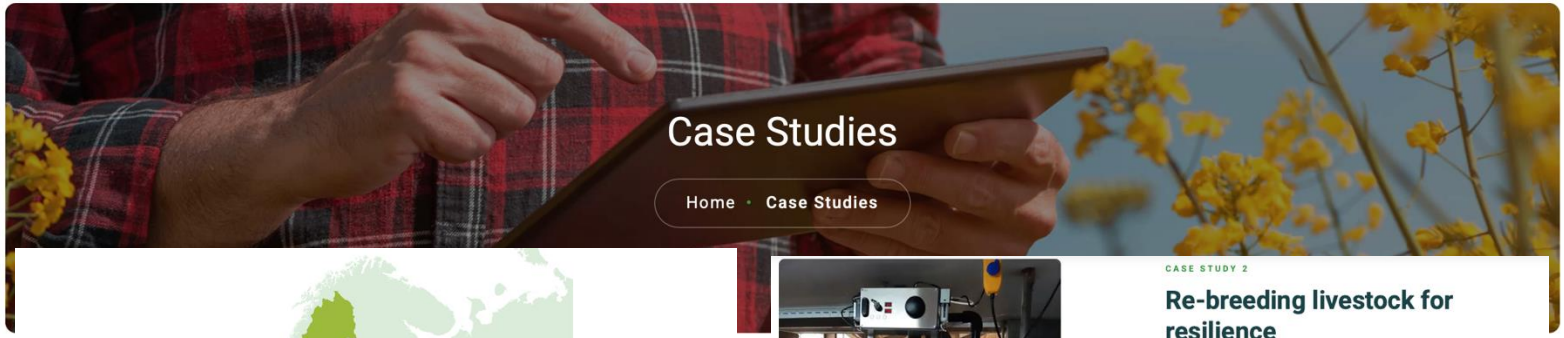
Project Description And Partners | Case Studies | News | Events | Communication Materials | Project Results | Contact Us



CASE STUDY 2

Re-breeding livestock for resilience

Livestock Sector: Dairy cattle

Country: Netherlands

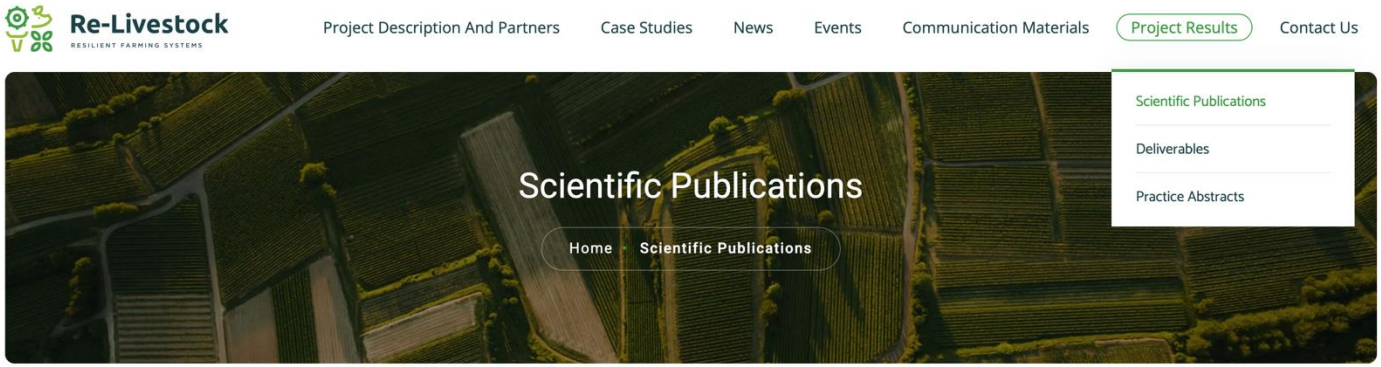
Case description: A large population (100 farms with 150 cows each) distributed across the Netherlands is phenotyped for individual methane emission. Network of farmers on 100 farms interested in mitigation options on farm.

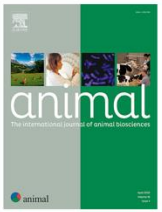
Facilitator(s) name and institution: Hanne Honerlagen, Wageningen University and Research Center (WUR)

Stakeholder / organisation name	Position / title
Dairy farmers x 3	Case study farmers
CRV (breeding company)	Researcher
CRV (breeding company)	Researcher CA Animal Evaluation Unit
ZuivelNL (This is a collaboration between the Dutch Federation of Agriculture and Horticulture (LTO), Dutch Dairy Farmers Organisation (NMV), NAJK (young farmers organisation) and NZO (dairy industry))	ZuivelNL Representative
Wageningen University and Research	Researcher

Denmark | Italy | The Netherlands | Poland | Spain | Sweden | Switzerland | United Kingdom

Project website www.re-livestock.eu





High-throughput untargeted metabolomics reveals metabolites and metabolic pathways that differentiate two divergent pig breeds

Volume 19, Issue 1, January 2025, 101393

Authors

S. Bovo, M. Bolner, G. Schiavo, G. Galimberti, F. Bertolini, S. Dall'Olio, A. Ribani, P. Zambonelli, M. Gallo, and L. Fontanesi

View Publication

Feed additives for methane mitigation: Recommendations for identification and selection of bioactive compounds to develop antimethanogenic feed additives

Volume 108, Issue 1, P302-321, January 2025

Authors

Zoey Durmic, Evert C. Duin, André Bannink, Alejandro Belanche, Vincenzo Carbone, M. Dolores Carro, Max Crüsemann, Veerle Fievez, Florencia Garcia, Alex Hristov, Miroslav Joch, Gonzalo Martinez-Fernandez, Stefan Muetzel, Emilio M. Ungerfeld, Min Wang and David R. Yáñez-Ruiz

View Publication

Thanks to the organizers!

Enjoy!

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