Resilience4Dairy:
Sharing knowledge to improve sustainability and resilience of the dairy sector

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R4D Resilience 4 Dairy

1st January 2021 – 31st December 2023

What do we call resilience of agricultural systems?

Dardonville et al., 2020

Environmental, economic, social sustainability

Maintain performances over time

Resilience (session)

Many concepts and publications on agricultural systems

Lack of operability

Few multiperformance approaches

Develop a pragmatic method for dairy sector

Resilience 4 for Dairy

EU projects on resilience

What is resilience?
EIP Focusgroup - 2016-2018
Robust and resilient dairy farming production systems

The EIP R&R Focus Group

- Focusing on **farmers** practical issues affecting future sustainability of dairying
- Involving farmers in the definition of resilience

Resource Efficiency · Animal Care · Socio-Economics · Biodiversity

7 R&R enhancing factors

1. A genetically R&R dairy cow
2. Farm management strategies
3. Precision livestock farming
4. Sustainable dairy cow milk production systems
5. Indicators of robust and resilient dairy production systems
6. Skills for future robust and resilient dairy farming – curriculum for farmers and advisers
7. Societal challenges

- A sustainable robust and resilient dairy production system **can recover from, or adapt to, changes** in environmental, social or economic conditions
- 3 levels: cow, farm, dairy sector

General objectives of R4D Thematic Network

Resilience	Robustness

Sustainability

3 expertise areas (3 *Knowledge Areas* KA) =

Economic and social resilience

Technical efficiency

Environment, welfare and society

freepik

The consortium

Objectives R4D

- Develop and strengthen an **EU Thematic Network** with dairy farmers and relevant stakeholders focusing on resilient dairy farms

- Capture farmers **needs on the main challenges** to improve resilience

- Collect, **assess**, test, exchange and publish **solutions** to improve the resilience of dairy farmers, farms and sector

Structure of the project

In each country, a national steering committee named
National Dairy Akis (NDA)

With a facilitator named
Farm Facilitator (FF)

Express the needs
Implement tests and demos
Organise exchanges
(country and project levels)

Farm Facilitator: 1 key contact person per country
Manages the national/regional network and actors
Main contact with other EU "Farm Facilitators" and "Knowledge Facilitators"

Advisors
Enterprises
Education
Training bodies
Dairy Farm Network
8 Pilot -Farms per country
Dairy Operational Groups identified
Cooperatives Suppliers
Other R&I projects
Farmer based organisations
Researchers

Cross fertilisation among actors inside the NDA

National Dairy AKIS

The Knowledge Areas in R4D

- 3 expertise areas: Knowledge Areas (KA)

- 3 groups of KA experts: the assessors of solutions:

13 KA 1	10 KA 2	11 KA 3
Economic and social resilience	Technical efficiency	Environment, welfare and society

George Ramsbottom – Teagasc

Anne-Laure Dutertre – Idele

Levente Czeglédi – Unideb

Isabelle Vuylsteke – INAGRO

Marija Klopčič – UL

Margit Bak Jensen- AU

R4D steps	Meetings

1- Creating National Dairy Akis / Pilot farm networks

2a-Collecting farmers needs
2b-Collecting NDA solutions

Implementing farmers EU workshops and cross visits

3-Matching needs and solutions: Creating national workplans

4-Selecting most promising solutions (experts)
Ranking= NDA/farmers

5-Assessing / testing / adapting solutions

6-Delivering Ready-to-use Best Practices
(leaflets, webinars, videos, social networks)

200 solutions → 100 Best Practices

R4D Best Practice: Young stock weight measurement
23.05.2023 | Video

Dirk and Griet Vandecandelaere keep 110 dairy cows. They have a very efficient young stock management. In order to control the growth of the heighers they measure their weight on a regular basis. This allows them to reach the first calving age at 24 months. Subtitles EN

▶ WATCH THE VIDEO

Resilience 4 for Dairy

R4D steps		EAAP Presentations
1- Creating National Dairy Akis / Pilot farm networks	s44	V. Brocard et al
2a-Collecting farmers needs Needs from Hungarian dairy sector 2b-Collecting NDA solutions	s71	S. Sofiantini and A. Menghi L. Czegledi et al
3-Matching needs and solutions: Creating national workplans	s71	K. Kuoppala et al.
4-Selecting most promising solutions (experts) Ranking= NDA/farmers	s71	A Kuipers et al.
5-Assessing / testing / adapting solutions		

6-Delivering Ready-to-use Best Practices
Resilience & farm economics
Financial resilience
Resilience & Labour
Resilience and Social issues:
       Cow calf contact
       Low cost pasture based system
Resilience and food security in Wallonia
Resilience: farmers' point of view
Strategies and cases in Slovenia
Innovative solutions from NL
Reducing GHG through innovative technologies
	s44
	s71
	s44
	
	s71
	
	s44
	poster
	s71
	cc
		E. Koloszycz et al
		G. Ramsbottom et al
		S. Debevere et al.
		
		HW Neave et al.
		R. Loges et al
		C. Battheu-Noirfalise
		E. Castellan et al
		M. Klopcic et al
		P. Galama et al
		A.Svitojus et al

Dissemination of Best Practices

Validation · Adaptation & Translation · Monitoring · Solution · Best Practice
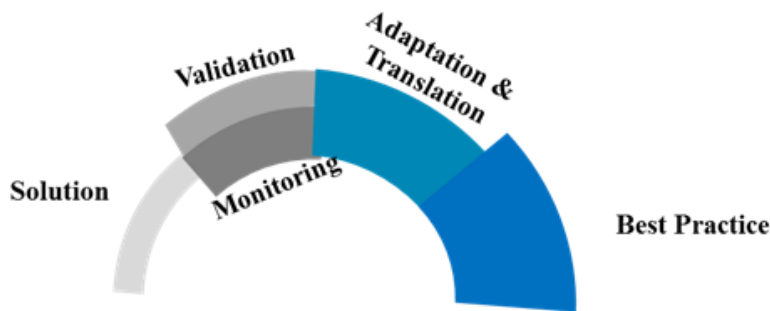
GAEC Trouencon Farm description FR
16.01.2023 | Flyer
GAEC Le Trouencon is using a cross breeding system with pasture.
SHOW THE FLYER

Lameness in dairy cows at pasture - An important challenge for Irish Dairy farmers
14.11.2022 | Webinar
Minimising the incidence of lameness in dairy cows was identified by farmers participating in the Resilience for Dairy project as an important contributor to the resilience of their dairy enterprise. During the webinar the principal types of lameness and solutions in grazing dairy cows are discussed.
WATCH THE WEBINAR

Colostrum management: give your calves sufficient colostrum from good quality to become productive cows

Automatic Feed Pusher
24.11.2022 | Video
Automatic Feed Pusher help to reduce workload and increase feed intake of dairy cows. This innovative technology is applied on the R4D Pilotfarm Soc. Agr. Cervi Ciboldi in Italy.
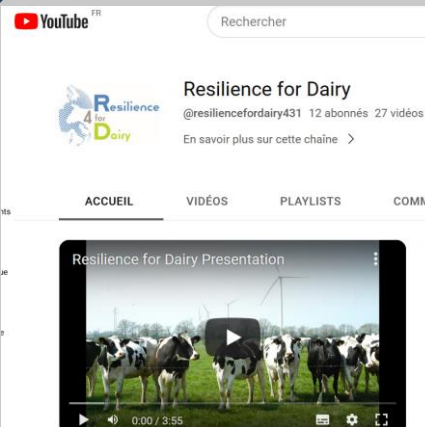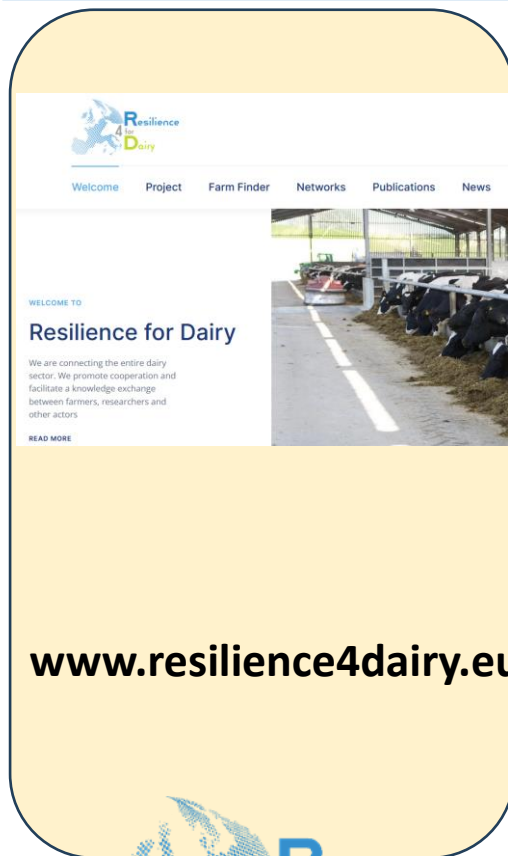WATCH THE VIDEO

www.resilience4dairy.eu

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08/09/2023

Our social networks

Our Youtube Channel

Our website

Resilience4Dairy

@R4_Dairy

Resilience for Dairy @R4_Dairy · 3. Feb.
The overall objective of R4D is to improve the sustainability of the European dairy sector, by building on resilience and robustness of farms 🇪🇺

This will happen through multiple workpackages divided among the participants. 👉

Stay tuned for news 💡
#R4D #Dairy #H2020

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Resilience for Dairy
@resiliencefordairy431 12 abonnés 27 vidéos
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Resilience for Dairy Presentation

https://www.youtube.com/@resiliencefordairy431/featured

Already 27 videos available

Resilience for Dairy

Welcome Project Farm Finder Networks Publications News

WELCOME TO
Resilience for Dairy

We are connecting the entire dairy sector. We promote cooperation and facilitate a knowledge exchange between farmers, researchers and other actors

READ MORE

www.resilience4dairy.eu

For a more resilient European dairy sector!

Thank you for your attention

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www.resilience4dairy.eu