



ICAR ADE as an Enabler for Inclusive Data Integration

A Cloud-Based Herd Management
Case Study from Catalonia



Quick introduction



CEO UNIFORM-Agri



FEFRIC

Territori CAT


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Presentation also on behalf of
Rita Casals Subirana from
FEFRIC

Why this matters: The Digital Dairy Ecosystem



 The challenge is no longer collecting data, but transforming fragmented data into **trusted information**

Current Challenges for Milk Recording Organisations

More data than ever – but too fragmented



The challenge: How can MROs remain the trusted data steward while enabling integration, innovation and new services for farmers?



FEFRIC & UNIFORM-Agri: Strong partners, shared vision



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The reference for
Holstein breeders
in Catalonia



Digital solutions for
dairy farmers &
industry worldwide



Support breeders

with services, knowledge
and tools to improve herds and farms



Expertise

Milk recording, genetic evaluation,
herdbook, advisory and training



Commitment

Data ownership, transparency
and delivering value to members



Working together
to create value
for breeders



Enable the dairy community

with integrated software
and data solutions



19,000 active licenses

Farmers using UNIFORM-Agri solutions



Active in 50+ countries

Serving dairy farmers & industry
worldwide



Expertise

Herd management, data integration,
cloud platforms and interfaces



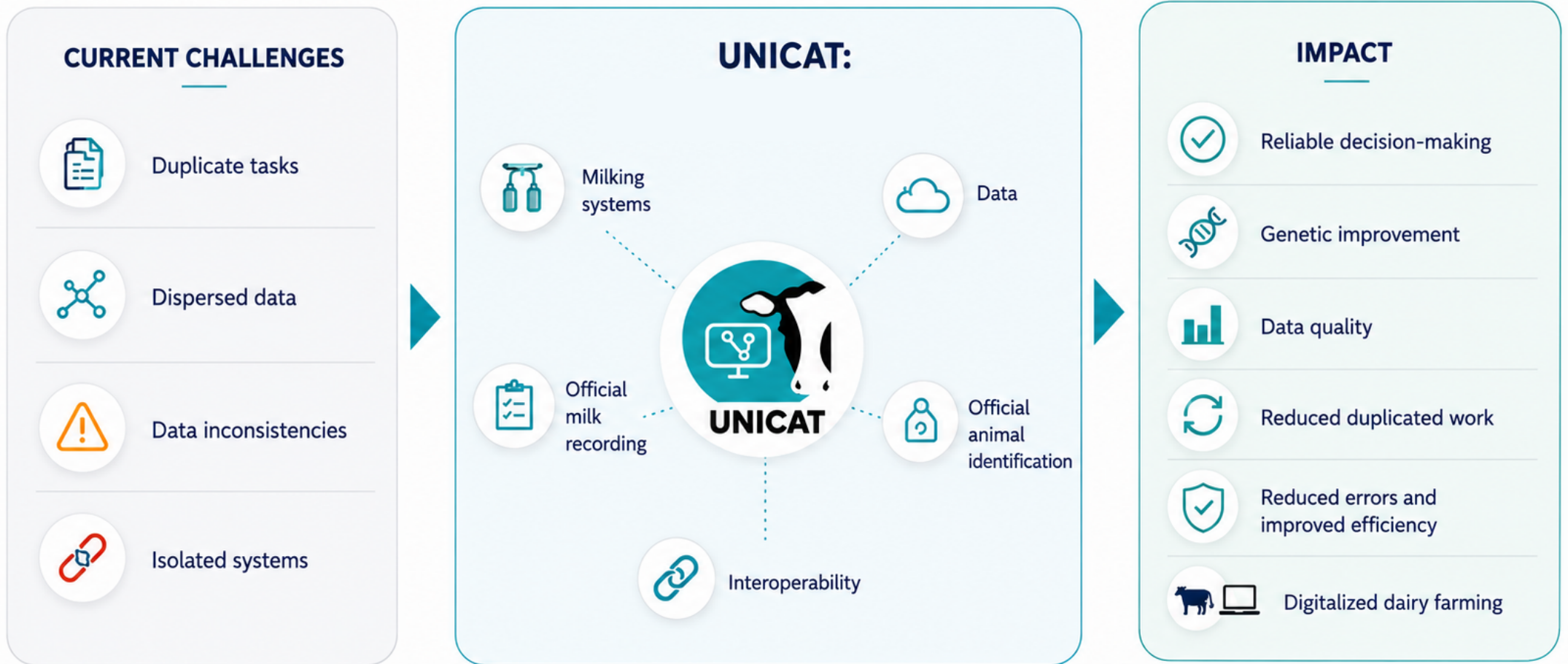
Commitment

Interoperability, innovation
and long-term partnerships

Our shared vision: A connected digital ecosystem that empowers breeders with trusted data, better insights and more value from their information.

The UNICAT Concept

Integrating milkrecording into digitalized dairy farming – creating a platform for the FEFRIC Members



Data Ownership and Governance

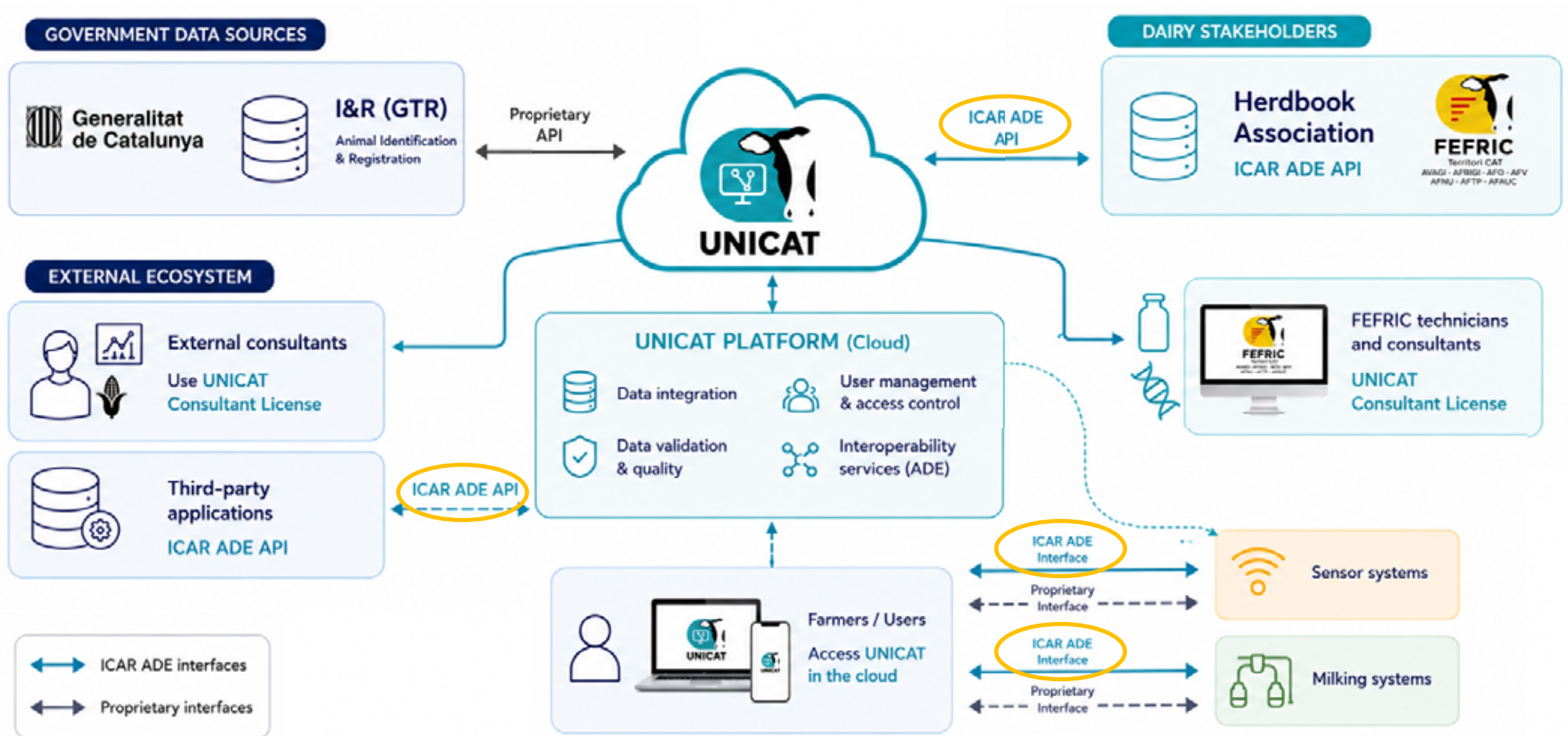
Trust and transparency are at the core of the UNICAT project. Clear governance ensures farmers and organizations can rely on the system with confidence.

-  **FEFRIC farmers own the data**
-  **FEFRIC governs access**
-  **Data hosted under FEFRIC governance in Spain**
-  **UNIFORM-Agri is the service supplier**

By keeping data ownership with the milk recording organization, UNICAT ensures that farmers retain control over their data. FEFRIC acts as the trusted steward, maintaining data integrity and governing who can access what, preserving the trusted relationship between farmer and recording body.

ICAR ADE-based Data Exchange Architecture

UNICAT connects official data, farm systems and the dairy ecosystem through ICAR ADE





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Version : 6.0.82.4780

Dashboard

Daily Events | Animal Record | Report Writer | Herdsmans Action List

Timeko Sieperda

DEMO V6 UNIFORM Professional GL (DE)

Save | Options | Close

Cows status

Open 73 22 %	I 58 18 %	Pd+ 126 38 %
Pd- 4 1 %	B 20 6 %	D 49 15 %

Herd Summary

Total herd size 571	Cows 330	Total young stock 210
Cows in milk 281	Cows to be culled 22	Calves to sell 29

Attentions

In heat 63	Cycling 41
Pregnancy Check 20	Open 22
Calving 9	To Dry Off 11
	Meat withdrawal 11
	Milk withdrawal 1

KPI buttons

SPP(MilkRecording) 59.7 63.1	Somatic Cell CL(MilkRecording) 217 185	Pregnant percentage after first inse... 35 38
Expected calving interval 409 379	Average DIM 168 168	Calving age heifers 22.3 22.3

Expected calving interval

Somatic Cell CL (MilkRecording)

Avg. milk prod. cow / day (MilkMeter)

Processes

- AutoMate
- Todo
- External links

Tasks

Planned tasks dashboard 0	Open treatments 1	Health recheck 2
Incomplete Sale Data 48	Eligible animals 0	

Management

Almu test ES feed

V6 Test UNICAT TEST WS

1 Daily Tasks

2 Milk management

3 Fertility

4 Health / Treatments

5 Herd

7 Service Bulls

8 Feeding

9 Milk forecast

10 Special Reports

11 Costings

12 Links

UNICAT

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Dashboard Management

Close all

- Different licenses can target different customer segments.
- From just viewing milkrecording and genomic data to a full herd management platform

Challenge – Combining different data sources

12.2.3 Management / Links / GTR / Request herd inventory V6 Test UNICAT TEST WS

	Base de datos UNICAT						Inventario GTR						Status
	Animal no.	Ear tag	Date of Birth	Breed	Purchase date	Sex	Ear tag	Date of Birth	Breed	Purchase date	Sex		
<input type="checkbox"/>	100001	ES080905225365	28/10/2020		15/12/2024	♀	ES080905225365	28/10/2020	Mestissa	15/12/2024	♀	Ok	
<input type="checkbox"/>	2471	ES060905082471	12/5/2019		15/12/2024	♀	ES060905082471	12/5/2019	Mestissa	15/12/2024	♀	Ok	
<input type="checkbox"/>	100003	ES090905082474	22/5/2019		15/12/2024	♀	ES090905082474	22/5/2019	Mestissa	15/12/2024	♀	Ok	
<input type="checkbox"/>	5681	ES000905065681	9/9/2019		15/12/2024	♀	ES000905065681	9/9/2019	Mestissa	15/12/2024	♀	Ok	
<input type="checkbox"/>	5689	ES080905065689	23/11/2019		15/12/2024	♀	ES080905065689	23/11/2019	Mestissa	15/12/2024	♀	Ok	
<input type="checkbox"/>	5370	ES020905225370	25/11/2020		15/12/2024	♀	ES020905225370	25/11/2020	Mestissa	15/12/2024	♀	Ok	
<input type="checkbox"/>	5369	ES020905225369	21/11/2020		15/12/2024	♀	ES020905225369	21/11/2020	Mestissa	15/12/2024	♀	Ok	
<input type="checkbox"/>	5697	ES050905065697	23/1/2020		15/12/2024	♀						Not in GTR	
<input type="checkbox"/>	9585	ES080943219585	11/5/2026			♀						Not in GTR	

Wizard Update database Print Preview Properties Close

Future opportunities

Integrated data creates a foundation for:

- ✓ **Benchmarking**
- ✓ **Sustainability reporting**
- ✓ **Predictive health monitoring**
- ✓ **AI-supported advisory tools**



The challenge **goal** is to no longer collect data, but transforming fragmented data into **trusted information**



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- *Data fragmentation remains one of the major challenges facing the dairy sector*
- *ICAR ADE provides a practical framework for interoperability and standardised data exchange, ready for future innovations*
- *UNICAT demonstrates how official milkrecording can be integrated within the digital eco system while maintaining governance and data ownership*



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Thank you



Co-funded by
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