

International Committee for Animal Recording





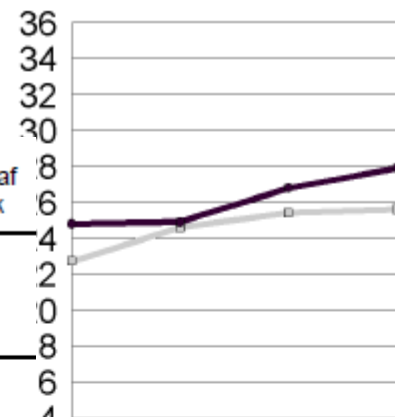
What is ICAR

ICAR (International Committee for Animal Recording) is the World-Wide Organization for the Standardization of Animal Identification, Recording and Genetic Evaluation

Where does ICAR work?



Celletal /1000	Kælvning		Kg EKM	Pct. af tank
	Nr.	Dage fra		
Inficeret				
217	3	104	22,8	-
409	1	302	19,3	-
171	3	103	32,1	-
214	2	57	30,4	-
2.874*	3	27	24,3	3
197	2	39	33,2	-
241	2	147	29,3	-
249	2	300	27,9	-
108	2	267	26,7	-



AUG	SEP	OKT	NOV
5,95	5,73	5,85	6,00
3,88	4,02	4,07	4,10
0,65	0,70	0,70	0,70
93	95	92	90
0,18	-0,05	0,04	-0,01
18	14	7	
17	13	7	
12	7	4	
168	175	179	175

			M
	Køer	Golde	Mælk kg
elk	177	12	20,7
	46		22,6
	26	5	15,9
	47		24,9
	58	7	17,9
1	173,6		7068



ICAR History

- First Dairy Performance Recordings in USA 1883
- Early Attempt to Internationally Standardize Milk Recording in Europe 1923
- Foundation of the European Milk/Butter Recording Committee 1951
- Introduction of Computerized System '60s
- Interbull 1988
- Other Species early 90s
- Genomic application late '00s



Recorded Dairy Cows in 1935



(1 point → 2,500
Recorded Cows)

Who do we work for?





Missions of ICAR

Activities:

- Identification
- Performance Recording (quantity and quality)
- Genetic Evaluation (Interbull)

Species:

- Cattle (dairy and beef)
 - Sheep
 - Goats
- Buffalo
- Alpaca



Missions of ICAR

Providing Information and Services to help its
Member Organizations to Develop, Operate
and Manage their Business

Promote Benefits of Identification, Recording
and Evaluation

Increasing the Demand for the Services Provided
by ICAR Member Organizations



Guidelines and Standard

- Provision of Services
- Exchange of Information

through ICAR Member Organization can
Work Together to Achieve Shared
Objectives



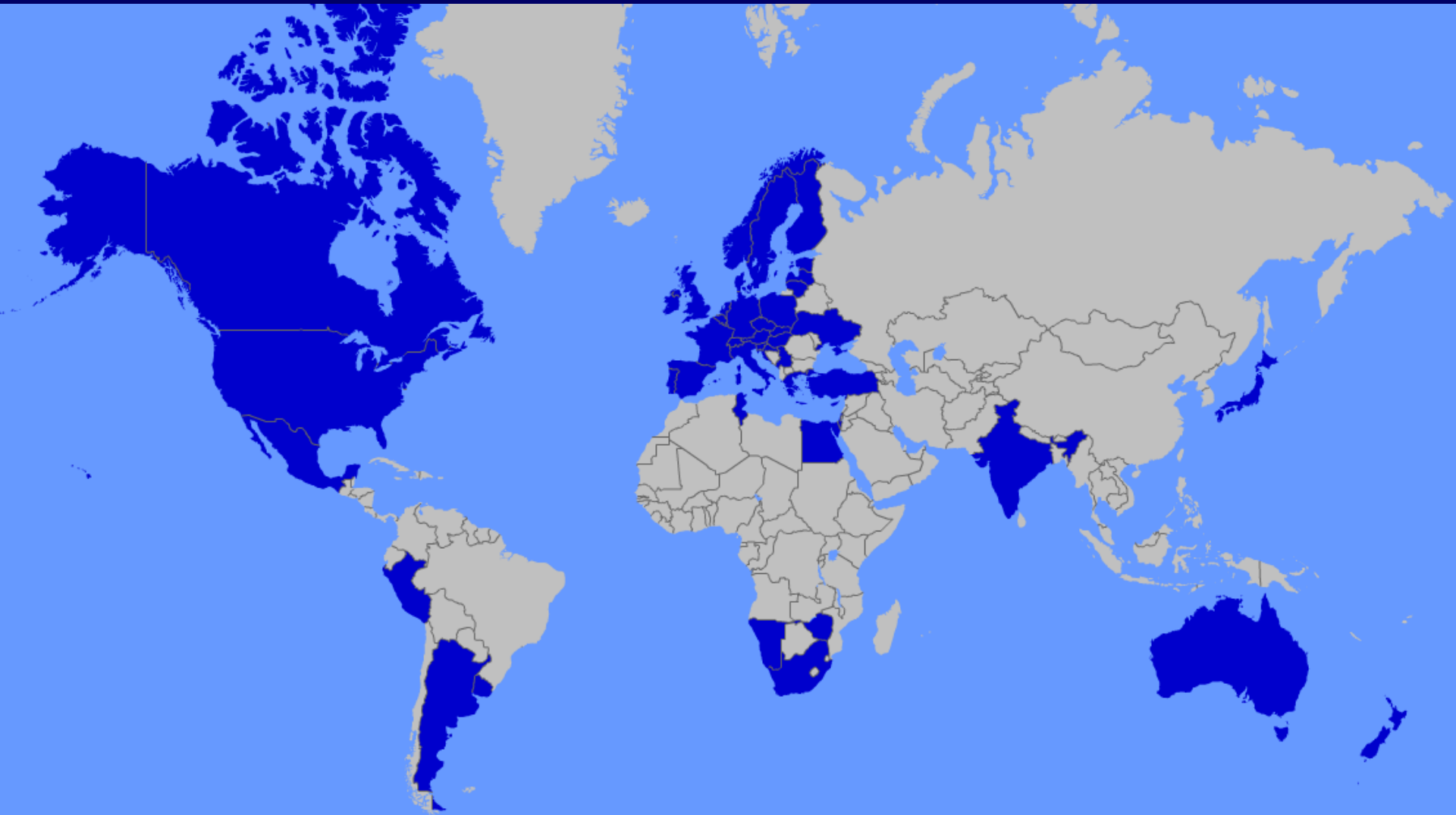
Performance Recording Activities

Minimum Requirements to Ensure a Satisfactory
Degree of *Uniformity* of Recording and
Maximum Flexibility in the Choice of
Methods

Recording Organization is **Free** to Determine its
Particular Recording Methodology

ICAR Today







ICAR Today

ICAR today has 87 Member Organizations from 51 Countries

ICAR has 4 Sub-Committees and 12 Working Groups

About 100 Technicians work voluntarily to Fulfill ICAR Missions



ICAR Sub-Committees

Interbull

- › Uppsala centre (Sweden)
- › International Genetic Comparison of Cattle
- › Productive and Morphology traits
- › Genomic application (GEBV)



ICAR Sub-Committees

Recording Devices

- › Give Acceptable Working Level of Recording Devices
- › Test and Approve Recording Devices
- › Control Maintenance and Accuracy of Recording Devices

Table 11.6. Valid reading in the field test per species (minimum and maximum).

Species	Milk production (reference)	Fat percentage (reference)
Cattle	2 – 40 kg	2 – 7 %
Buffalo	0.8 – 12 kg	3 – 15 %
Goat	0.3 – 6 kg	2 – 8 %
Sheep	0.3 – 6 kg	2 - 12%

Approved milkmeters for cattle

List of the approved milkmeters

Meter	Manufacturer	Brand name Company/country	Control unit	Species	Picture (Click to enlarge)	Notes
Afiflo 2000 also available as: Dataflo	SAE Afikim Israel Fullwood			Cattle		
Afiflo 9000	SAE Afikim Israel			Cattle		
Fullflow (MM95)	SAE Afikim Israel			Cattle		
Afi-Lite	SAE Afikim Israel			Cattle		
Autosampling System VMX	DeLaval AB, Sweden			Cattle		
Bou-Matic Perfection 3000	Bou-Matic USA			Cattle		
Dairy Master Weighall	Dairymaster			Cattle		

Info Box 1

What's new

- Glossary by "Beef Working Group"
- Riga Session 2010: PPT files
- NEW ICAR Guidelines (v. 2009)
- Porec 2009: PDF presentations & Pictures
- Niagara falls Proceedings
- Strategic plan, May 2009
- Application form for parentage testing accreditation in cattle

Info Box 2

Dairy cow milk enquiry
On-line
Database

keep milk



ICAR Sub-Committees

Identification

- › Give International Standard of Identification System
- › Test and Approve Identification System
- › Registering Authority for ISO





ICAR Sub-Committees

Milk Analysis

- › Improve Efficiency and Effectiveness of Milk Testing Laboratories
- › International Ring Test



47 x1.000/ml	3,46 %	3,00 %
63 x1.000/ml	3,90 %	3,76 %
295 x1.000/ml	2,96 %	3,13 %
429 x1.000/ml	5,76 %	4,33 %
130 x1.000/ml	3,24 %	3,20 %
13 x1.000/ml	4,00 %	3,50 %
6 x1.000/ml	3,89 %	3,56 %
141 x1.000/ml	4,31 %	3,27 %
57 x1.000/ml	4,67 %	3,01 %
986 x1.000/ml	4,01 %	3,47 %
77 x1.000/ml	4,71 %	3,88 %
- x1.000/ml	- %	- %
28 x1.000/ml	2,77 %	2,92 %
39 x1.000/ml	5,54 %	2,78 %
143 x1.000/ml	5,55 %	3,44 %
147 x1.000/ml	4,57 %	3,74 %
117 x1.000/ml	4,50 %	3,01 %
109 x1.000/ml	3,54 %	3,37 %
59 x1.000/ml	5,01 %	3,90 %
99 x1.000/ml	5,12 %	2,85 %
147 x1.000/ml	5,41 %	4,25 %
/ml	4,50 %	3,59 %
/ml	5,35 %	3,61 %
/ml	3,67 %	3,39 %
/ml	3,90 %	3,54 %
.	.	.
/ml	3,21 %	3,07 %
/ml	3,89 %	3,41 %
/ml	3,88 %	3,50 %
/ml	4,56 %	3,16 %
/ml	5,18 %	3,07 %
/ml	2,92 %	2,61 %
/ml	3,50 %	3,41 %
/ml	4,41 %	3,88 %
-	-	-



ICAR SubCommittee

- Animal Identification
- Interbull
- Milk Analysis
- Recording Devices



ICAR Working Groups

- Lactation Calculation Methods
- Animal Data Recording
- Genetic Analysis
- Functional Traits
- Milk Recording in Goats
- Developing Countries



ICAR Working Groups

- Milk Recording in Sheep
- Beef Recording and Evaluation
- Artificial Insemination and Relevant Technologies
- Conformation Recording
- Fiber Recording
- Parentage Recording



What ICAR Provides



Standards for Animal Industry

Technical Workshops

Exchange of Information

Networking

Technical Developments

International Representation and
Lobbying Activities

Newsletter

Technical Books

International Genetic Evaluation

Trying to Satisfy (almost...) all Requirements of our Members





Additional Services

Benchmark

- Service to every local or national animal recording agencies
- Compare internationally and nationally the performances of agencies
- For Type of Services, Customer Service, Milk laboratory, Data Processing, Financial Aspects, Overhead, Service Costs, Advisory Services, ...



Additional Services

Certificate of Quality

- Professional Quality Assurance Supervision to improve Activities and Certifies Quality of Services
- Different for species
- Different for Activities
 - Identification
 - Recording
 - Genetic Evaluation



Additional Services

PSAS

(Patenting Sentinel and Action Service)

- ✓ Website offering information on patenting
- ✓ Works by sharing news among members
- ✓ Hires an expert to support the service:
 - to propose themes
 - to verify information
 - To answer questions
- ✓ Service for free



ICAR and Animal Identification



ICAR and Animal Identification

- Interest since the early days
- Proper identification as base for herd management and genetic evaluation
- Traceability for sanitary reasons and food



ICAR and Animal Identification

- Importance for identification from the herd to national agencies
- ICAR expertise and vicinity to farmers' necessities
- Serving animal industry



ICAR and Animal Identification

- National authorities and international organization
- Registration Authority for ISO for Radio Frequency Identification Devices



ICAR and Animal Identification

- ICAR guarantees high expertise and full neutral
- Hundreds of tested identification devices
- Available information from ICAR website (large amount of visits)



The Future





- Health and Welfare Traits
- Data exchange
- Improving efficiency
- Genomic application
- New species and production
- ...

Thanks for Your Attention!



www.icar.org