

International Committee for Animal Recording



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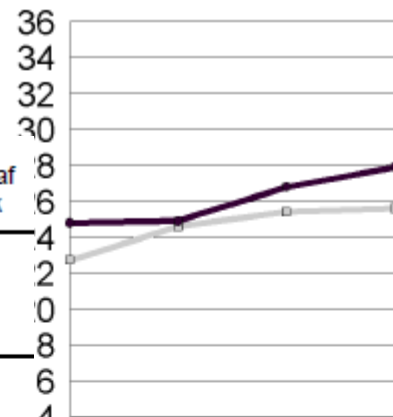
What is ICAR

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 Nr.	Dage fra	Kg EKM	Pct. af tank
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	NO
	5,95	5,73	5,85	6,
	3,88	4,02	4,07	4,
	0,65	0,70	0,70	0,
	93	95	92	
	0,18	-0,05	0,04	-0,
	18	14	7	
	17	13	7	
	12	7	4	
	168	175	179	1



	Køer	Golde	Mælk kg
1	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
- Health and Welfare Traits early '10s

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



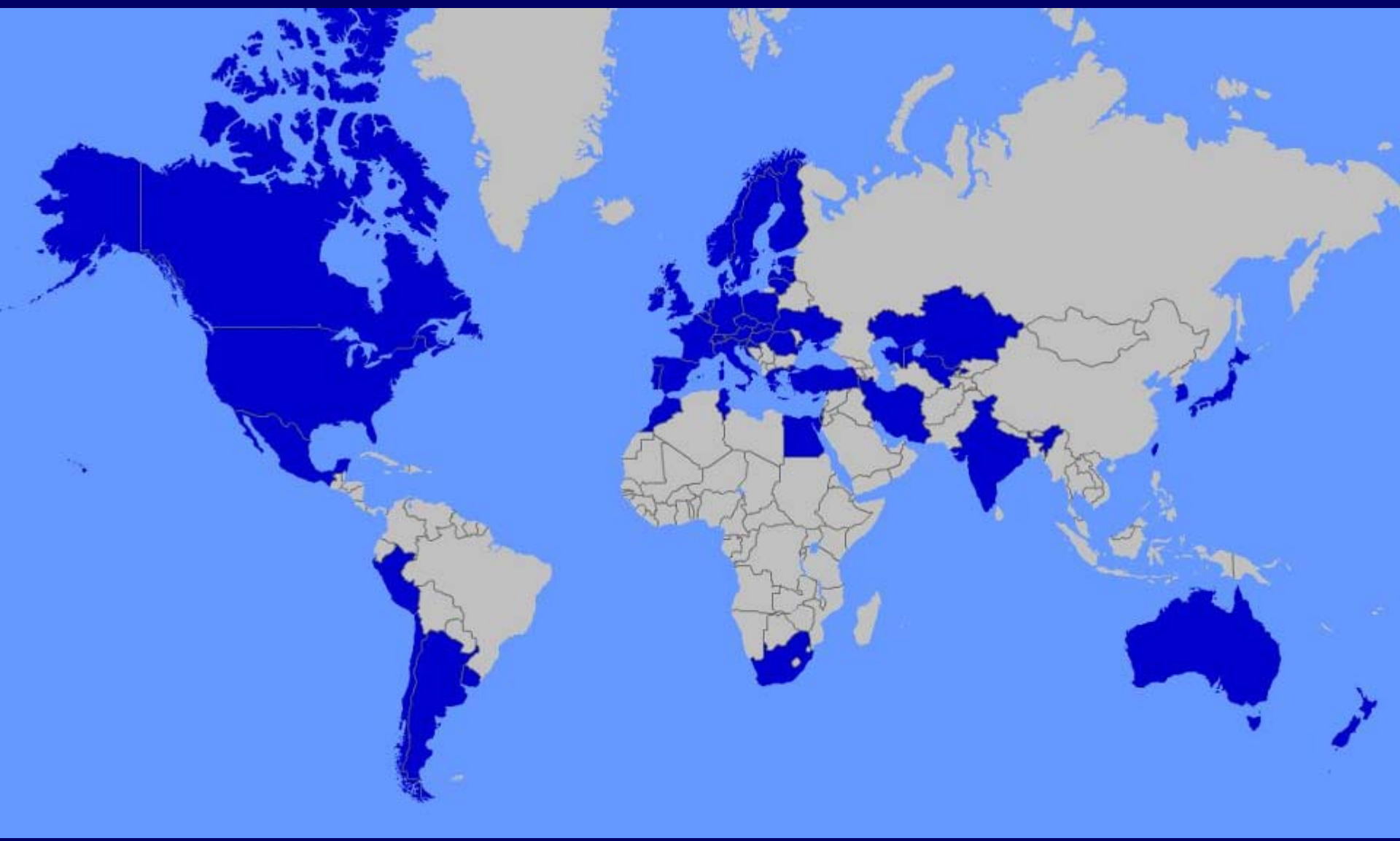
Performance Recording Activities

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 **93 Member Organizations** from
53 Countries

ICAR has **4 Sub-Committees**, **12 Working
Groups** and **1 Task Force**

About **115 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%

- Homepage
- ICAR Facts
- Technical Bodies
- Services
- ICAR Approvals
- Publications & Technical Materials
- ICAR Meetings & News
- ICAR Discussion forum

Approved milkmeters for cattle

List of the approved milkmeters

Meter	Manufacturer	Brand name Company/country	Control unit	Species	Picture (Click to enlarge)	Notes
Afilo 2000 also available as: Dataflo	SAE Afikim Israel Fullwood			Cattle		
Afilo 9000	SAE Afikim Israel			Cattle		
Fullflow (MM93)	SAE Afikim Israel			Cattle		
Afi-Lite	SAE Afikim Israel			Cattle		
Autosampling System VMX	DeLaval AB, Sweden			Cattle		
Bou-Mabic Perfection 3000	Bou-Mabic 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

2009 11/16



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	3,99 %	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 %
145 x1.000/ml	4,55 %	3,44 %
147 x1.000/ml	4,57 %	3,74 %
117 x1.000/ml	4,57 %	3,01 %
109 x1.000/ml	3,54 %	3,37 %
59 x1.000/ml	5,01 %	3,90 %
99 x1.000/ml	4,71 %	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



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



The Future



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



Thanks for Your Attention!

