

I- Retirement: None 2- New member from 2008: > Jan FLOOR (LactoLab, ZA) 3- Extension (under consideration) to Asian areas 37th ICAR Biennial Session - Riga (Latvia) - 31 May-4 June 2010



Project meetings (special issues):

Joint IDF-ICAR project on Reference system on SCC

✓ Sochi (RU): 22 May 2009

✓ Berlin (DE) : 22 Sept. 2009

+ World Dairy Summit => Communication and poster

✓ Montreal (CA): 18 May 2010

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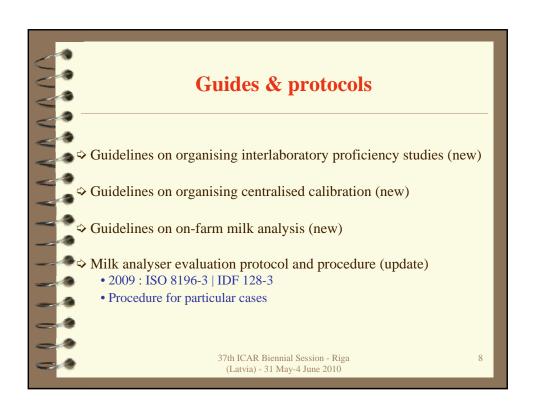
Terms of reference (unchanged)

- Contribute to adequate analytical performance quality for milk recording purposes world wide that does allow valid comparisons between ICAR countries.
- Monitor the development of reference document and standards on methods of milk analysis and quality assurance in laboratories applicable to milk recording.
- Maintain a frame for analytical quality assurance of milk testing laboratories through recommendations to ICAR member organisations and an international network of reference laboratories.
- 4. Monitor the development of instruments for milk analysis of interest for milk recording and equipment related to milk recording analysis (sampling, in-farm analysis, data capture/transfer). In doing so the Group should keep in contact with, manufacturers, ICAR Sub-Committees and Working Groups in those areas.
- Advise ICAR on new developments in the field of analytical methods, analytical quality assurance and milk testing laboratories.
- Establish and maintain liaisons with international organisations / bodies involved with respect to milk analysis issues dealt by ICAR, in particular IDF and ISO.

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Current programme of work Guides & protocols Standardisation of methods of milk analysis (IDF/ISO) Laboratory harmonisation Update and prospect on analytical methods/systems and devices Communication 37th ICAR Biennial Session - Riga (Latvia) - 31 May-4 June 2010



Standardisation of methods of analysis (IDF/ISO)

All species (cow, sheep, goat):

- Reference methods for fat, protein, lactose
- ❖ Validation Protocol for alternative methods of milk analysis (IDF 128-3 / ISO 8196-3 from the ICAR Protocol)
- ⇒Infra Red milk analysers : Revision of ISO 9266 | IDF 141.

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Analytical Laboratory harmonisation

TOTAL INTERNATIONAL REFERENCE LAGORATORY NETWORK RESE. PROTECTION | Proceedings | Procedure | Procedu

⇒ <u>ICAR Reference Laboratory</u> Network:

Maintenance / member list :

38 members of 32 countries

with:

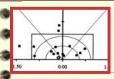
- 17 members for goat
- 14 members for sheep

⇒Need to expand membership to all the dairy country / member organisations to

broaden worldwide recognition and enhance efficiency of reference systems underway and future

=> CALL to ICAR MO

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Analytical quality and laboratory performance harmonisation

→ ICAR International Proficiency Studies (PTs):

Criteria: F, P, L, SCC and urea 2008-2010: 4 trials for cow (2 /year)

Conclusion of Reference Laboratory Network meeting (1st June 2010)

⇒Need for regular participation of all the members of the reference laboratory network to provide confidence and demonstrate analytical equivalence within ICAR

Should participate become an ICAR rule?

=> Motion proposed to the Board

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Communication

- **⋄ ICAR Web site**
- **♦ Yearly information letter**

& annual programme of activities

- **♦ MA SC meetings:** IDF/ISO Analytical Weeks & ICAR Sessions
- **⇒ ICAR Biennial Session:** Riga 2010

- ICAR Laboratory Network: 1 June 2010

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Information and technical assistance

(2010-2012)

- On-line questionnaire on state of the Art in ICAR laboratories
- Calculation of analytical result uncertainty:
- =>Template (Excel sheet) to be developed and proposed on ICAR website
- -Technical assistance:
- => List of experts with respective fields of competence available for assistance to ICAR labs

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Training and education (T&E)

Under continuous consideration

- Reflection on tools and adequate supports to implement
- Implementation through Reference Laboratory Network
- MA SC > to promote national/local action
 - > to indicate essential points, provide standard tools.
- Joint ICAR/IDF project on video clips is considered

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New Work Item

Experiment for future service in reference systems

Subject: Evaluation of the effect of geographical origin of milk on MIR calibration worldwide

⇒Measurement of the overall analytical error in a centralised calibration system and regional effects with the MIR spectrometric method

❖ **Request:** Financial Support to be considered by ICAR

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Co-operation and links to other WG/TF/SC

- 1- Joint action with the Working Party on On-farm Milk Analysis (WP OMA) and RD SC.
- 2- Joint action with IDF/ISO : Continuous activity through participation as experts in IDF/ISO project groups (e.g. Berlin IDF and ICAR meeting 2009)
- 3- Direct liaison to IDF MSSG through O Leray and ICAR contribution in IDF/ISO symposium in Sochi (RU) in 2009 and Montreal (CA) in 2010
- 4- Joint IDF/ICAR new work item on an international reference system for somatic cell counting (SCC RS) launched and presented during the World Dairy Summit in Berlin on 23/09/2009.

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Key points to address

1. ICAR Reference Laboratory Network:

As worldwide recognition is a general issue, it is requested :

- the membership of every ICAR dairy country
- ⇒ the participation of every network member in ICAR PT schemes
- 2. ICAR approval of milk analysers:
- Use of ICAR protocol required to approve new methods from 2002
- ⇒ ICAR protocol has become an ISO standard in 2009
- 3. Provision of knowledge and service development:

 Request for a financial support to evaluate worldwide regional effect on

 MIR calibration within ICAR.

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Conclusion & prospect

MA SC

- In expansion for worldwide representativeness (regions, sectors)
- Carry on its regular activities (work programme)
- Consolidate existing ICAR AQA system and broaden its recognition
- -Strengthen IDF/ ICAR collaboration for common interests
- Broaden focus onto milk analysis out off laboratories (with other ICAR technical bodies),
- Aim to develop adequate tools and future services for laboratories

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