



**ICAR 2008**

**ANIMAL FIBRE WORKING  
GROUP UPDATE**



**2007**

**ICAR Executive Board approved the  
new “Animal Fibre”  
TASK FORCE currently  
WORKING GROUP**





## ACTIVITIES

1. **Defined the Working Group and the Terms of Reference**
2. **Participation in the International Conference “The wool roads” to be held in Italy (University of Camerino) on 12 October 2007**
3. **Drafting of an ICAR official document for the definition of the instruments and methods for Alpaca breeding identification**
4. **Drafting of an ICAR official document on the standard definition of correct methods of Alpaca fibre harvesting and grading**
5. **ICAR Animal Fibre Working Group Promotion in Alpaca fibre-producing countries (Peru, Bolivia, Australia, Europe, USA etc.)**



## Working Group

Name	Country	Company		Type
Marco ANTONINI	ITALY	ENEA	Dpt. of Biotech, Agro-industry and Health Protection	Research Centre
LOU Yujie	CHINA	Jilin Agricultural University	Faculty of Animal Science and Technology	University
Claudio TONIN	ITALY	CNR – Biella Italian National Research Council	Institute for Macromolecular Studies	Research Centre
Hugh GALBRAITH	UK	University of Aberdeen	School of Biological Sciences	University

Name	Country	Company		Type
Oscar TORO	PERU	DESCO (ICAR Member)	Centro de Estudio y Promocion del Desarrollo	Ngo
Eduardo FRANK	ARGENTINA	Catholic University of Cordoba	Facultad de Ciencias Agropecuaria	University
Moises ASPARIN	PERU	MICHELL Group	Farm Mallkini	Enterprise
Malcolm FLEET	AUSTRALIA	SARDI Research Scientist (Wool)	Turretfield Research Centre and Roseworthy Campus	Research Company
Fabrizio CASTAGNETTI	ITALY	ERMENEGILDO ZEGNA Group	AGNONA	Enterprise



## Terms of Reference

- 1. Monitor the correct Alpaca identification methods and the availability of new development instruments.**
- 2. Contribute to the definition and homogenization of the correct methods of Alpaca fibre harvesting and grading.**
3. Contribute to the definition of objectives and criteria of Alpaca fibre selection programmes worldwide.
4. Contribute to adequate analytical performance quality for Alpaca fibre recording purposes worldwide.
5. Monitor the development of reference documents and standards on methods of Alpaca fibre analysis and quality assurance in laboratories, applicable to animal fibre recording.



## Terms of Reference

6. Maintain a frame for analytical quality assurance of Alpaca fibre testing laboratories through recommendations to ICAR member organisations and an international network of reference laboratories.
7. Monitor the development of laboratory devices for Alpaca fibre analysis of interest to fibre recording and equipment related to fibre recording analysis. For this term, the ICAR Alpaca Working Group should keep contact with textile manufacturers.
8. Establish and maintain liaisons with International Organizations / bodies involved in natural fibre analysis issues dealt by ICAR, in particular IWTO.
9. According to the results obtained with Alpaca, the Working Group could explore the opportunities to open sections in other domestic animal species and breeds for textile fibre (i.e. merinos sheep, Angora goat, cashmere goat etc.)



### Draft Program of the Camerino International Conference "WOOL ROADS"

#### *Morning*

#### RESEARCH ON TEXTILE ANIMAL FIBRE

- **EAAP: its role in the European Research**  
**Dr A. ROSATI (EAAP – WAAP)**
- **ICAR: activities in genetic improvement of animal fibre**  
**Dr M. ANTONINI (ENEA – Università di Camerino)**
- **Animal nutrition and fibre production**  
**Dr H. GALBRAITH (University of Aberdeen - UK)**
- **The Season effect on fibre growth**  
**Dr D ALLAIN (INRA – Francia)**
- **Animal for fibre: behaviour and adaptation**  
**Prof. M. GERKEN (Università di Gottingen)**



**Afternoon**

**ITALIAN RESEARCH ACTIVITIES ON WOOL  
PRODUCTION**

- **To Clothe the environment Abruzzo Region**  
**Prof. B. BARBONI (University of Teramo)**
- **GAL Sibilla e Piceno project: “the Wool Roads”**  
**Dr. C. CARLETTI (C.I.A. Marche)**
- **The situation of derived Merinos breeds in Italy**  
**Prof F. PANELLA (University of Perugia)**
- **Black and brown Merinos in Italy**  
**Prof. C. RENIERI (University of Camerino)**
- **IGP Proposal for natural Coloured wool**  
**Dr. C. CARLETTI (C.I.A. Marche)**
- **Vegetal colour for white wool dyeing**  
**LA CAMPANA Farm**



## **GUIDELINE**

**Alpaca shearing  
management, fibre  
harvesting and  
grading**



## Conclusion

ICAR would like to approach the Alpaca fibre heterogeneity problems in order to support end users. In order to:

1. define **common objective of selection**
2. Produce more accurate **animal fibre recording method**
3. Organize **genetic selection plan**
4. Define **guide lines** representative of the ICAR service for alpaca breeders at international level.



## Future actions

Next steps of the ICAR South American Camelid Alpaca fibre Working group

- A. Objective **definition of Huacaya and Suri** fibre/type; (2008/2009)
- B. Definition of the **objective and criteria in Alpaca fibre selection** program world wide (2008/2009)
- C. Contribution to adequate **analytical performance quality** for Alpaca fibre recording purpose world wide;
- D. development of reference document and standard on methods of **Alpaca fibre analysis and quality assurance in laboratories** applicable to animal fibre recording. (*We are verifying possible cooperation with CCMI - Cashmere and Camel Hair Manufacturers Institute*)  
<http://www.cashmere.org/cm/index.php>

**Thank you**

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