



ISAG-FAO Advisory Group on Animal Genetic Diversity

Organised by a standing committee: YES

Meeting information

Date: July 9, 2019
Time: 14:30-18:30
Number of participants: about 100 people (room 4 was clearly small)

Chair

Name: Catarina Ginja
Affiliation: CIBIO-InBIO, Universidade do Porto, Portugal
Contact email: catarinaginja@cibio.up.pt

Agenda

14:30 OP139 **Invited Workshop Presentation:** Towards a sustainable management of farm animal genetic diversity in the era of whole-genome data: The case of sheep and goats. F. Pampanon

15:00 OP140 Genetic characterization of cattle populations for optimized performance in African ecosystems. R. Crooijmans

15:15 OP141 Towards a complete genomic characterization of African indigenous cattle. A. Tijjani

15:30 OP142 Genomic diversity and differentiation of Iberian native cattle. C. Ginja

15:45 OP143 Integrating in situ and ex situ genomic data of domestic chicken breeds for conservation in China. M. Zhang

16:00 *Coffee/Tea Break*

16:30 OP144 Investigating introgression of river-buffalo loci in the genome of Brazilian Carabao swamp buffaloes. P. Ajmone-Marsan

16:45 OP145 Y-chromosomal haplotyping in horses—New achievements and future potentials.

B. Wallner

17:00 OP146 Introgression with domestic goats has expanded the genetic variability of the Spanish ibex.

M. Amills

17:15 OP147 Unraveling the genomic diversity and population structure of 20 autochthonous European pig breeds. M. Muñoz

17:30 OP148 IMAGE: Innovative Management of Animal Genetic Resources. O. Cortes

17:45 OP149 Sequencing of reindeer (*Rangifer tarandus*) genomes: Insights into evolution, domestication, and adaptation. J. Kantanen

18:00 **Workshop Committee Business Meeting**

Summary of the meeting

The Workshop of the ISAG-FAO Advisory Group on Animal Genetic Diversity was held during the 37th ISAG Conference in Lleida, Spain, in the afternoon of Tuesday, July 9, 13:00-18:30. The workshop was chaired by Catarina Ginja (InBIO/CIBIO, Universidade do Porto, Portugal). The program included 1 invited speaker and 10 oral communications selected among the 24 abstracts submitted for poster presentations. These works represent 9 animal species from various geographic regions, including the Americas, Europe, Asia and Africa. The meeting was attended by approximately 100 participants. This was one of the most participated workshops, we received nice comments on twitter. The **business meeting** of the ISAG-FAO Advisory Group on Animal Genetic Diversity was held in the end of the workshop to plan a group meeting to discuss the 'challenges for FAnGr in the 'Era of the omics' and elect new fellows. The meeting counted with the presence of 7 out of 10 members of the committee, namely C. Ginja, J.A. Lenstra, O. Hanotte, P. Ajmone-Marsan, J.L. Han, S. Kumar and S. Weigend. The committee approved 8 new members (listed below), including a new chair. It was decided that C. Ginja will act as co-chair until the term of service by the next meeting of the ISAG in 2021. The large number of committee members (6 previous and 8 new) is justified by the fact that this group aims to represent a wide number of species from a broad range of regions for meaningful discussions on the genetic diversity of farm animal genetic resources and conservation. The ISAG Guidelines for standing committees were delivered to all members. J. A. Lenstra suggested we should prepare an invited Mini-review for Animal Genetics regarding the main conclusions of the genetic diversity studies presented during this workshop. All members received and approved the current report.

New committee chair

Chair: Juha Kantanen (also reindeer specialist)

Affiliation: Natural Resources Institute Finland, Jokioinen, Finland

E-mail address: juha.kantanen@luke.fi

Committee members

Current members	Affiliation	E mail address
Catarina Ginja (co-chair, cattle specialist, population structure and origins),	CIBIO-InBIO, Universidade do Porto, Portugal,	catarinaginja@cibio.up.pt
Johannes A. Lenstra (cattle specialist, genetic diversity),	Utrecht University, The Netherlands,	j.a.lenstra@uu.nl
Paul Boettcher (secretary),	FAO, Vienna,	Paul.Boettcher@fao.org
Han Jianlin (camelids and yak specialist),	Chinese Academy of Agricultural Sciences, Beijing, China,	h.jianlin@cgiar.org
Satish Kumar (water buffalo specialist),	Central University of Haryana, India,	satishk@cuh.ac.in satishk.scientist@gmail.com
Steffen Weigend (chicken specialist),	Institute of Farm Animal Genetics, Mariensee, Germany,	Steffen.Weigend@fli.de

Committee members (the new committee)

Newly elected members	Affiliation	E mail address
Jessica Petersen (horse Specialist, replacing Gus Cothran),	University of Nebraska Lincoln, Nebraska, USA,	jessica.petersen@unl.edu
Licia Colli, (goat specialist, replacing Paolo Ajmone-Marsan),	Università Cattolica del Sacro Cuore, Piacenza, Italy,	licia.colli@unicatt.it
François Pompanon (sheep specialist),	Univ. Grenoble Alpes, Grenoble, France,	francois.pompanon@univ-grenoble-alpes.fr



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Richard Crooijmans (pig specialist, replacing D. Milan), Wageningen University & Research, The Netherlands, richard.crooijmans@wur.nl

Sheila Ommeh (other poultry species specialist, e.g. Guinea fowl, quails, pigeons and ostriches, replacing Olivier Hanotte), Institute for Biotechnology Research (IBR), Jomo Kenyatta, University of Agriculture and Technology (JKUAT), Nairobi, Kenya, sommeh@jkuat.ac.ke

Roy Costilla (cattle genomics specialist), Institute for Molecular Bioscience, Queensland Alliance for Agriculture and Food Innovation, University of Queensland, Brisbane, Australia, r.costilla@uq.edu.au

Axel Villalobos Cortés (Creole Animal Genetic Resources specialist and also a local FAO agent), IDIAP, Panamá, villalobos.axel@gmail.com

SIGNATURES

Juha Kantanen (new Chair)

Digitally signed by
Catarina Ginja, PhD
Date: 2019.09.13
10:22:31 +01'00'

Catarina Ginja (co-Chair)

 Roy Costilla
@CmRoycostilla

The ISAG-FAO for animal genetic diversity session is being one of the best one so far at #ISAG2019. Thanks Catarina for the hard work! <https://t.co/cl0YSqGVOB>

