ISAG-FAO Advisory Group on Animal Genetic Diversity

Organised by a Standing Committee: YES

Meeting information

Date: July 29th 2021
Time: 12-14:30 CET
Number of participants: 96

Chair

Name: Juha Kantanen
Affiliation: Natural Resources Institute Finland, Jokioinen, Finland
Contact email: juha.kantanen@luke.fi

Co-Chair (optional)

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

Agenda

Invited Workshop Presentation: (W207) **Donkey worldwide diversity based on control-region data and entire mitochondrial genomes.** *Licia Colli, Università Cattolica del S. Cuore, Piacenza, PC, Italy.*
Updated FAO guidelines for characterization of animal genetic resources. *Catarina Ginja, CIBIO-InBIO, Universidade do Porto, PT.*
(W208) **Estimation of inbreeding load and purging in animal conservation programs.** *Noelia Pérez-Pereira, Universidade de Vigo, Vigo, Spain.*
(W209) **Functional and population genomics of admixed trypanotolerant African cattle breeds.** *G. P. McHugo, UCD School of Agriculture and Food Science, University College Dublin.*
(W210) **Microbiota characterization of traditional cattle breeds.** *R Crooijmans, Animal Breeding and Genomics Group, Wageningen University & Research, Wageningen, The Netherlands.*
(W211) **Towards a comprehensive horse Y-chromosomal tree – signatures from local breeds and ancient DNA.** *Elif Bozlak, University of Veterinary Medicine Vienna, Vienna, Austria.*
(W212) **Researching on the fine-structure and admixture of the worldwide chicken population reveal connections between populations and important events in breeding history.** *Department of Medical Biochemistry and Microbiology, Uppsala University, Uppsala, Sweden.*
(W213) **Demographic history and genetic diversity of wild African harlequin quail (*Coturnix delegorguei*) populations of Kenya.** *Sheila Ommeh, Institute For Biotechnology Research, Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya.*
(W214) **Genetic relationships among Canarian, African and European goats using SNPs.** *M. Marci, Department of Genetics, University of Córdoba, Cordoba, Spain.*
(W215) **The eastward dispersal of domestic goats and their introgression, population stratification, and genetic adaptation in East Asia.** *Yudong Cai, Northwest A&F University, Yangling, Shaanxi, China.*

Workshop Committee Business Meeting

Summary of the meeting

It was decided that the current Standing Committee will continue its work. Next time, changes to memberships will be considered at the 2023 ISAG Conference.

Members of the current committee:

Juha Kantanen (chair, reindeer), juha.kantanen@luke.fi

Catarina Ginja (co-chair 2019-2021, cattle), catarinaginja@cibio.up.pt

Jessica Petersen (horse), jessica.petersen@unl.edu

Licia Colli, (goat), licia.colli@unicatt.it

François Pompanon (sheep), francois.pompanon@univ-grenoble-alpes.fr

Richard Crooijmans (pig), richard.crooijmans@wur.nl

Sheila Ommeh (other poultry species), sommeh@jkuat.ac.ke

Roy Costilla (cattle genomics), r.costilla@uq.edu.au

Axel Villalobos Cortés, villalobos.axel@gmail.com

Johannes Lenstra (cattle genetic diversity), j.a.lenstra@uu.nl

Paul Boettcher (secretary), Paul.Boettcher@fao.org

Han Jianlin (camelids & yak), h.jianlin@cgar.org

Satish Kumar (water buffalo), satishk@cuh.ac.in, satish.scientist@gmail.com

Steffen Weigend (chicken), Steffen.Weigend@fli.de

The Standing Committee will organise a webinar in 2022 on the updated FAO Guidelines for Genomic Characterization of Animal Genetic Resources. A meeting will be organised where the Standing Committee will plan the webinar.

Dr Frank Nicholas presented 'Online Mendelian Inheritance in Animals' -database (OMIA, https://omia.org) which is a catalogue of inherited disorders, other (single-locus) traits, and genes in 274 animal species and provides up-to-date summary information on all known harmful and beneficial variants in animals, together with background information on all known inherited disorders and non-disease traits. To update and provide more detailed information regarding inherited disorders found breed-wise, the OMIA-experts will utilize breed lists and names of domestic animals by country as defined in FAO's Domestic Animal Information System (DAD-IS) data base.

New Committee chair

Chair:
Term of service (*add years of first and second term of service*):
Affiliation:
E-mail address:

New Committee co-chair (optional)

Chair:
Term of service (*add years of first and second term of service*):
Affiliation:
E-mail address:

Note: One term runs for two bi-annual conferences (i.e. four years)

New Committee members

Other committee members	First term of service (from year to year)	Second term of service (from year to year)	Email address

SIGNATURES

30th Aug 2021

Chair