



## Report of EAAP Working Group Animal Genetic Resources

2019/2020

ERFP Assembly Cloud-Porto 2020  
J. Fernández

### Members of the EAAP-AnGR-WG (2019)

*President:*

- Jesús Fernández

*Vice-president:*

- Coralie Danchin-Burge
- *Secretary:* rotational

*Members:*

- Sipke Hiemstra, Ino Curik, Peer Berg, Jelena Ramljak, Enrico Sturaro, Georgia Hadjipavlou

*Representatives of:*

- ERFP-Secretariat + FAO





### **EAAP 2020 Porto**

#### **Session 1.** Governance of the genetic resources (Chair: G. Leroy)

Date: to be confirmed

- Proposed by EAAP-WG AnGR. Challenge session
- Rationale
  - The sustainability of Animal Genetic Resources management depends on the decisions of a broad range of stakeholders.
  - Investigate the links between the governance of livestock population and their sustainable management.
  - Consider various drivers: technological development, forms of organization, national and international policies
  - Potential impacts: economic outcome, genetic consequences.



### **EAAP 2020 Porto**

#### **Session 41.** Combining the diversity of resources and farming practices to ensure resilience at different scales.

Date: to be confirmed

- *Theme session (full day).*
- *41a. Diversity of animal genetic resources for resilient farming systems* (Chair: G. HadjiPavlou / E. Sturaro)
- Organised by the LFS Commission, the Mediterranean WG and the WG AnGR
- Invited speakers, contributed papers and round table.



**EAAP 2020 Porto**  
**Session 13. Genetic Diversity**  
(Chair: J. Fernández)  
Date: to be confirmed

- Bottom-up session from Genetics Free communications.
- Common session
- 10 oral + 10 posters
  - Characterisation of local breeds using different tools (SNPs, ROHs, CNVs, allelic frequencies, ...).
  - Effect of genomic selection on diversity and inbreeding of small populations.



**Participation in a study on the evaluation of the success  
of already running conservation programmes:**

- Proposed by FAO (G. Leroy)
- Different species/breeds in different countries
- Two papers published:
  - Leroy, G., Gicquel, E., Boettcher, P., Besbes, B., Furre, S., Fernandez, J., Danchin-Burge, C., Nabeel, A., Baumung, R. 2019. Coancestry rate's estimate of effective population size for genetic variability monitoring. **Conservation Genetic Resources**.
  - Gicquel, E., Boettcher, P., Besbes, B., Furre, S., Fernandez, J., Danchin-Burge, C., Baumung, R. y Leroy, G. 2020. Impact of conservation measures on demography and genetic variability of livestock breeds. **Animal**.



Participation in the project GenRes Bridges (Joint venture of ECPGR, EUFORGEN and ERFP)

- As part of the EAB (WG AnGR is the EAAP consultation body in Genetic Resources issues)
- Some members directly involved in the development of the project through the ERFP



In contact with:

- NC's of different countries (through the ERFP)
- People responsible of the EFABISnet
- WG on Documentation of the ERFP
- WG on ex-situ conservation
- WG on in-situ conservation
- FAO



### **Common ambitions and further opportunities for collaboration**

- Options to enhance collaboration between ERFP and EAAP towards the future
- Activities of EAAP WG-AnGR – e.g. ERFP-EAAP-FAO joint session
- Sharing information about further AnGR activity plans in each organization in order to set up greater synergies and collaborations
- External communication and networking strategy of ERFP and EAAP – synergies
- GenRes Bridge (CSA Horizon 2020) – views and collaboration



### **Financial issues:**

- Reduced fee/one day fee exemption for ERFP National Coordinator (or their representative) to attend the joint meeting(s) of ERFP/FAO/EAAP on AnGR – could be included in specifications/model agreement between EAAP and individual countries organizing committees.



Thank you