

## **Tubavi Project**

- Conservation of biodiversity in Italian poultry breeds.
- MIPAAFT National Rural Development Programme 2014/2020 Conservation, use and sustainable development of genetic resources in agriculture.

• Funded with the support of the European Agricultural Fund for Rural Development (FEASR)"

Genetic characterization









dipartimento di scienze agrarie, alimentari e ambientali

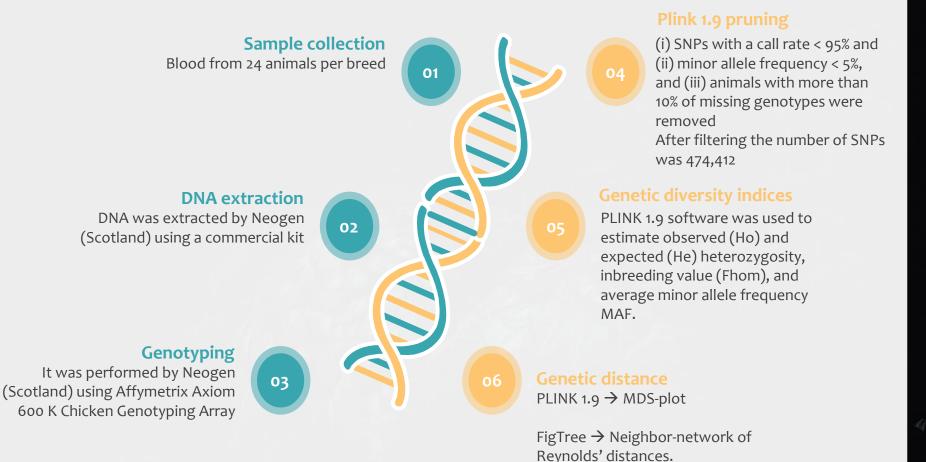


https://ec.europa.eu/agriculture/rural-development-2014-2020 en

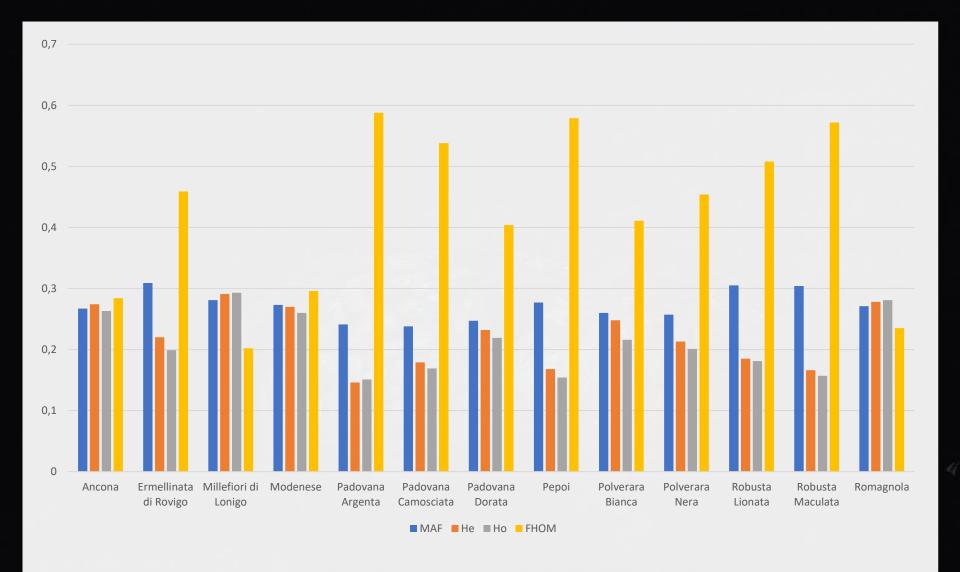
#### PPP PRL PPB **PPA** PRM PPN PPD 1emd PER PPC **PML** Cuneo MOD ROM ANC

### BREEDS

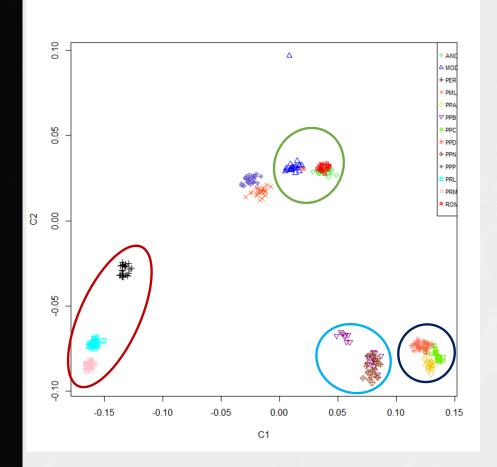
Breeds' name	Acronym
Pepoi	PPP
Robusta Lionata	PRL
Robusta Maculata	PRM
Polverara Bianca	PPB
Polverara Nera	PPN
Padovana Argentata	PPA
Padovana Dorata	PPD
Padovana Camosciata	PPC
Millefiori di Lonigo	PML
Ermellinata di Rovigo	PER
Modenese	MOD
Romagnola	ROM
Ancona	ANC

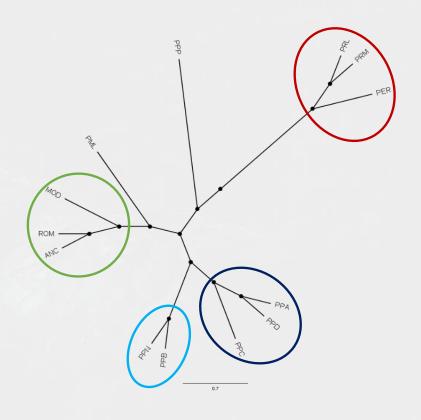


#### **Material & methods**



# Genetic diversity indices

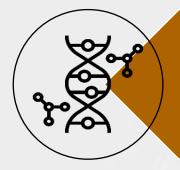




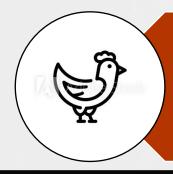
## **Genetic distance results**



Population structure and genetic distances showed a clear separation among the breeds with some particular clusters related to the region of origin and their own history.



The results show the existence of genetic variability. Heterozigosity values higher in central region breeds, and homozygosity coefficient more in Veneto region breeds.



Design new conservation programs.

Available genetic traceability method according to the excellent ability to distinguish between the various breeds.

#### Conclusions

 This work was supported by the project: "Protection of biodiversity of Italian poultry breeds" - TuBaVi - 2014 – 2020. PSRN - Support for the conservation use and sustainable development of genetic resources in agriculture, sub-measure 10.2.

#### We would like to thank:

- conservation centers I.I.S. "Duca degli Abruzzi" Padova (Italy),
- I.S.I.S.S. "D. Sartor" Castelfranco Veneto (Treviso, Italy),
- I.I.S. "A. Della Lucia" Feltre (Belluno, Italy),
- Experimental farm "Sasse Rami" Ceregnano (Rovigo, Italy),
- STUARD farm (Parma, Italy),
- University of Bologna (Bologna),
- "Il Gallolarino" farm by Dalia Roberto (Monte S. Giovanni Campano, Frosinone, Italy),
- Acquaroli Gabriele farm (Monteprandone, Ascoli Piceno, Italy) for supplying blood samples of chicken breeds.

## Acknowledgement



# Thank you

Questions?