



EA group
s. coop



Merino's Branch EAgroup Breeding Program. A Cooperative Experience

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What is EA Group SC?



- 🐑 **2nd grade Cooperative, involving 8 base cooperatives**
- 🐑 **1600 farmers**
- 🐑 **Census of 800.000 breeding animals of the Merino's Branch**
- 🐑 **450.000 living animals and 220.000 carcasses commercialized per year (national and international markets)**
- 🐑 **9 Centers of lambs Typification (Capacity for 80.000 fattening lambs)**
- 🐑 **2 Slaughterhouses and 3 carcass management rooms**
- 🐑 **1 Center for Merino type wool classification (COMERCIAL OVINOS SL) processing 3700 tn. /year**
- 🐑 **27 Technical Staff: 6 central; 21 peripheric**
- 🐑 **4 Permanent agreements on genetics with universities and other research institutions**

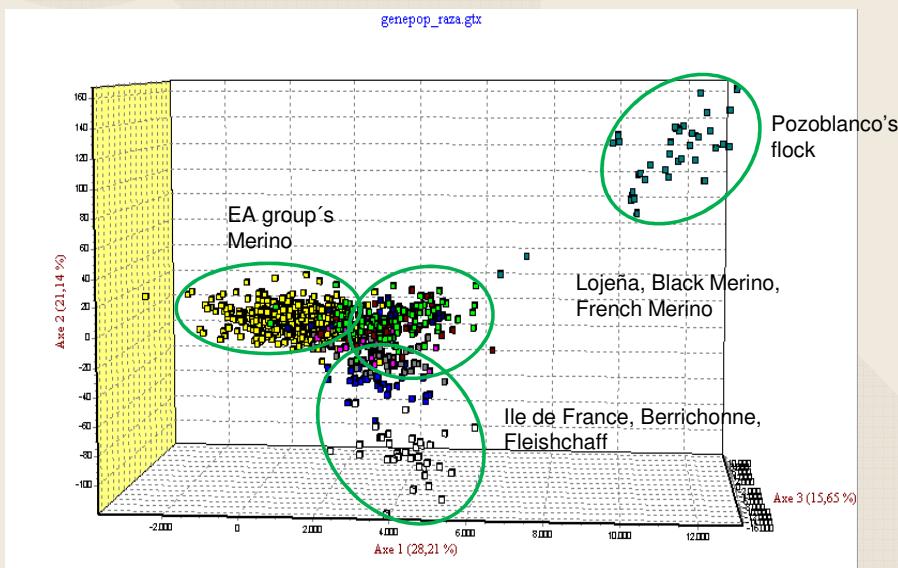
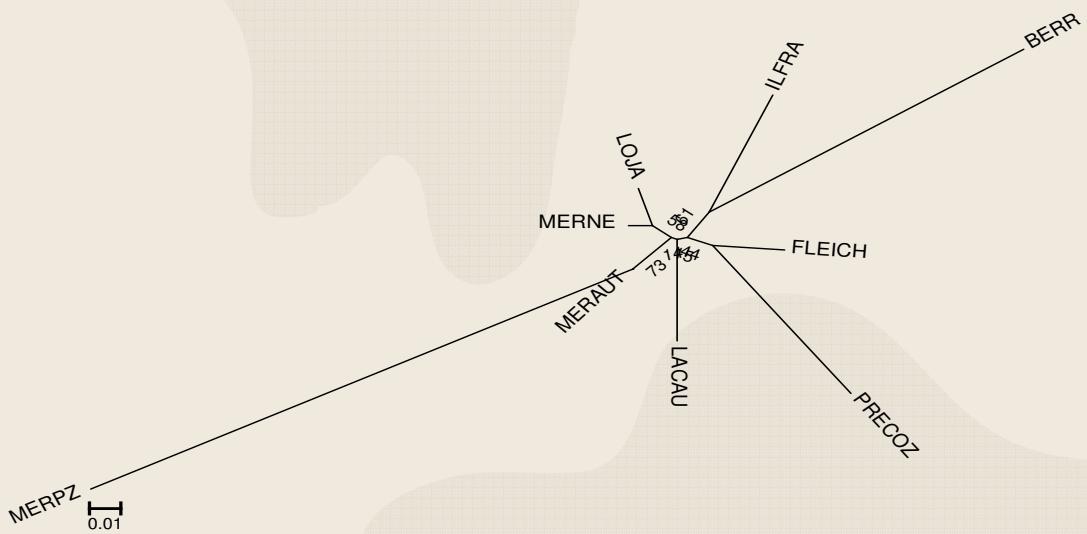
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Genetic base of Eagroup: Merino's branch

<p>Maternal base</p> 	<ul style="list-style-type: none"> • 25-30% pure Merino
	<ul style="list-style-type: none"> • 70-75% Cross-bred Merino at different levels
<p>Paternal base</p>    	<ul style="list-style-type: none"> • <u>80% Fleischchaff</u> • 15% Ile de France • 3% French Merino • 2% Other Merino's Branch breeds

EA group's Breeding Problems

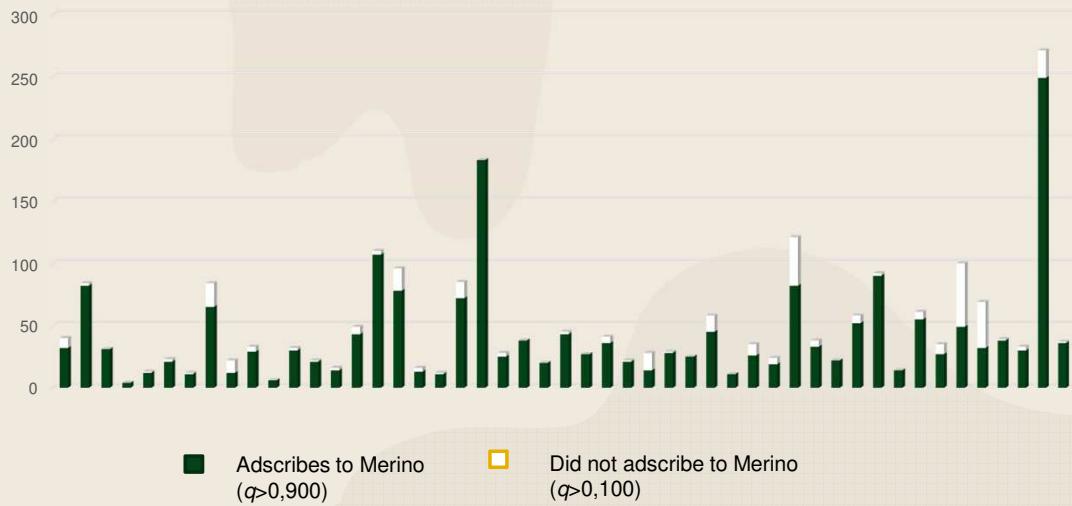
Problems	Solutions
<ul style="list-style-type: none"> • Cross breeding at the maternal base • Diversity at the paternal base • Lambs and carcass heterogeneity • External genetic dependence • Official breeding programs did not provide solutions 	<ul style="list-style-type: none"> • Development of a multibreed internal breeding program • Complete "merinization" of the maternal base • Additive genetic progress of pure maternal and paternal bases • Improvement of the additive complementarity and heterosis capacity of breeding animals of both bases • Obtention of improved and homogeneous F1 final products

First step. Genetic characterization, microsatellites**Genetic characterization of the maternal base (2010)****First stage of the EA group's Breeding Program****Genetic characterization of the maternal base**

First stage of the EA group's Breeding Program

Genetic characterization of the maternal base

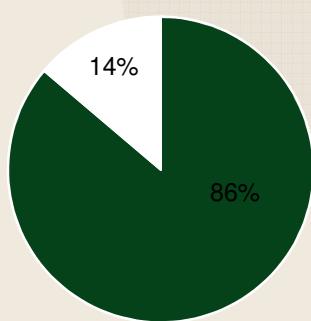
TESTED ANIMALS PER FLOCK



First step of the EA group's Breeding Program

Genetic characterization of the maternal base

TOTAL= 2394 Tested animals

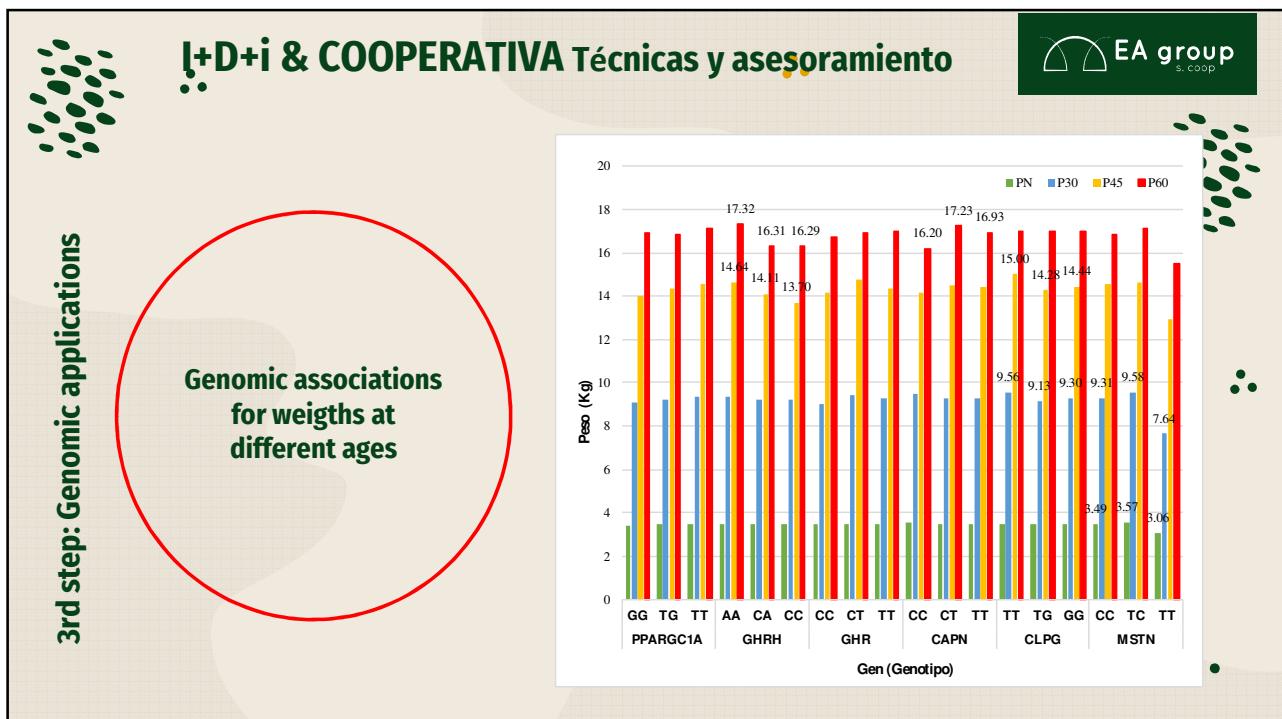
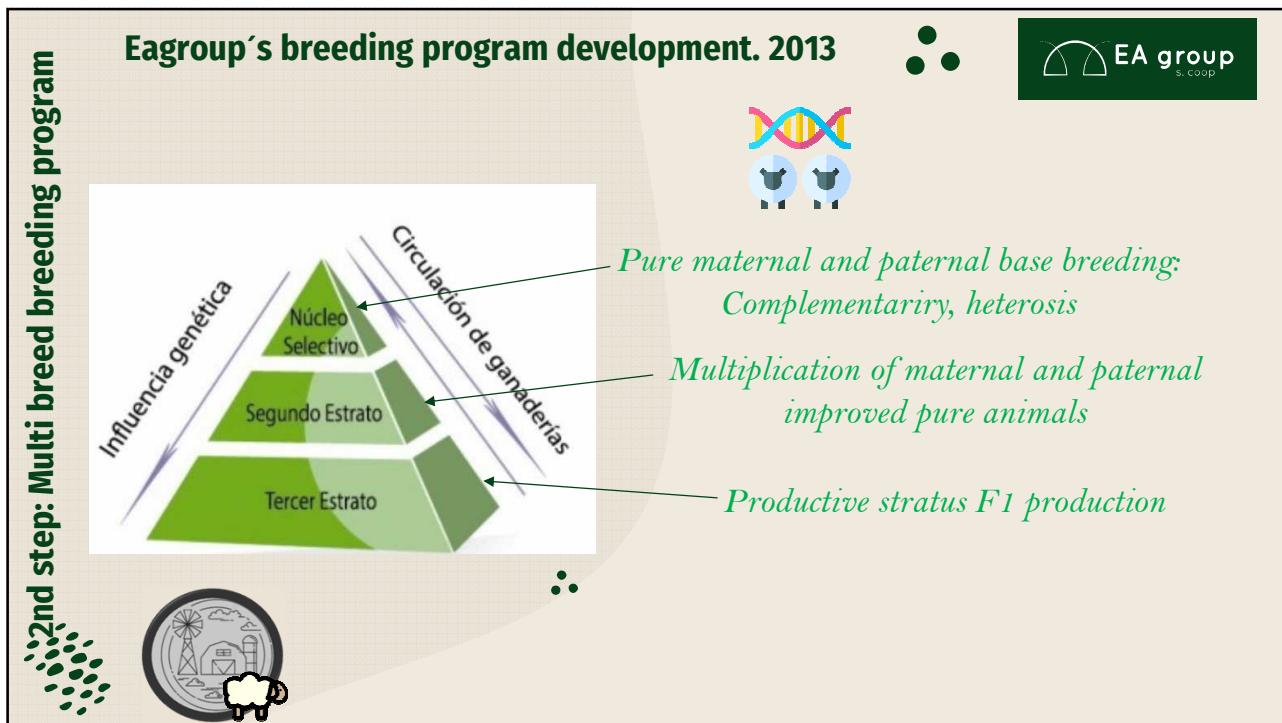


Tested Flocks	Genetically Pure (%)	Genetically no pure (%)	Animals
49	2064 (86,22)	330 (13,78)	2394

Note:

- 1.- We are speaking about animals genetically pure Merino. Different of the administratively pure animals, which are only those registered in the herd book
- 2.- A 45% (24 flocks) of the studied animals had both considerations, belonging to the breeders association and the cooperative

■ Ascribed to Merino (>0.900) □ Did not ascribe to Merino (>0.100)



Genetic improvement of the meat and carcass

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Future challenges

Meat and carcass indicators

Cordero de Extremadura

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Genomic studies on disease resistance

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Future challenges

Industrial Project (GENXLAMB) "Markers Assisted Selection of disease resistance for the extensive sheep" 295.000 Euros/2 years

abc

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I+D+i & COOPERATIVA Técnicas y asesoramiento

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Future challenges

Wool genetic improvement

comercial ovinos

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Our WEBSITE and SSNN

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Merino lamb producers

- **WEBSITE:**
<https://www.eagroup.coop/>
- **Facebook:** ganaderos EA Group – EA Group
- **Twitter:** @Eagroup ?
- **Instagram:** eagroup.coop

ctaex
centro tecnológico nacional agroalimentario



***Many thanks
from our farmers
and staff***

