



Is it possible to find Merino rams that are more efficient and emit less GHG?



1

Agroecological Breeding
Objectives and criteria



Automatic
feeding &
weighing
platforms
42 d

2

Reference population (growing)
930 records
1,962 animals 2019-2021



PAC
x2 records

3

Estimation of
parameters & BV

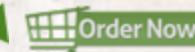
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Ram's distribution
Evaluation of
commercial flocks



	RFI	F. intake	O ₂	CH ₄	CO ₂	GFW
RFI	0.27	0.79	0.37	0.64	0.50	0.05
Feed intake	0.75	0.38	0.68	0.88	0.77	0.13
O ₂	0.15	0.45	0.26	0.57	0.97	-0.13
CH ₄	-0.02	0.28	0.57	0.23	0.66	0.06
CO ₂	0.11	0.44	0.93	0.64	0.27	-0.15
GFW (wool)	0.01	0.24	0.26	0.18	0.27	0.41

Genetic trends for RFI & reduction of GHG emission



Regenerative Agriculture enhanced by genomic