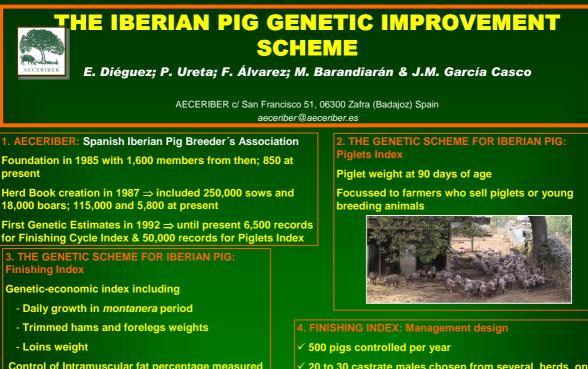
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EAAP Annual Meeting 2009, Barcelona, Spain, August 24-27



Control of Intramuscular fat percentage measured in loin by NIRs



- 6. FINISIHING INDEX: Data
- > around 6,500 slaughter pigs
- ➢ born from 500 boars and 2,500 sows
- > from 55 herds and 85 slaughter series
- ➤ results ⇒ annual Stud Boar Catalogue

## 7. MEANS, HERITABILITIES AND GENETIC CORRELATIONS

Genetic correlations DG HAMS FORELEGS LOINS IMF Means between IMF and % DG 590 g/d 0.00 -0.03 -0.04 -0.05 0.46 of the main HAMS 16.53% 0.59 0.40 0.69 -0.19 premium cuts and FORELEGS 11.00% 0.48 0.36 0.07 **GD** shown values LOINS 2.49% 0.43 -0.23slightly negative IMF 9.61% 0.37

## 7. RESULTS: Example of farmer's report

BOARS BREEDINGS VALUES ESTIMATES													
		BREEDING VALUES				INDEX			BREEDING VALUES (loin sample)				
BOARS id.	DG	HAMS	F_LEGS	LOINS	GEN-ECON	TIPIFIED	CATEGORY	FAT	HUMIDITY	PROTEIN	SIRE BOAR'S		
XX 185338	-53,11	0,6507	0,3209	0,1332	9,12	113	GOOD	-1,7003	1,0777	0,5577	XX 58775		
XX 196553	19,62	1,0407	0,4726	-0,0167	15,87	124	VERY GOOD	-1,2337	0,8370	0,3375	XX 58780		

SOWS BREEDING VALUES ESTIMATES												
		BREEDING VALUES				INDEX			BREEDING VALUES (loin sample)			
SOWS id.	DG	HAMS	F_LEGS	LOINS	GEN-ECON	TIPIFIED	CATEGORY	FAT	HUMIDITY	PROTEIN	SIRE SOW'S	
XX 124560	8,95	-0,0771	-0,1988	-0,1329	-3,12	93	BAD	-0,1749	0,3929	-0,1544	RF	
XX 124562	-5,77	0,2001	0,0375	0,0907	3,32	104	ACCEPTAB.	0,5833	-0,3069	-0,1871	RF	
XX 124563	-44,53	0,1238	0,0541	0,0464	0,64	99	ACCEPTAB.	0,0284	-0,0763	0,0505	RF	
XX 124565	10,24	0,3814	0,0956	-0,0524	5,00	106	GOOD	0,7578	-0,3590	-0,2958	RF	
XX 141518	25,01	0,8465	0,2052	0,0278	12,58	119	GOOD	-1,7541	1,1443	0,5293	XX 37564	
XX 185342	-29,10	0,6764	0,1576	0,0757	8,75	112	GOOD	-0,6389	0,3020	0,2925	XX 37564	
XX 185345	59,46	0,6793	-0,1149	0,0885	10,52	115	GOOD	-0,5907	0,3043	0,2509	XX 37564	
XX 196549	-39,40	1,1018	0,4920	0,1941	16,67	125	VERY GOOD	-0,8104	0,3562	0,3512	XX 185339	

- ✓ 20 to 30 castrate males chosen from several herds, one group born in spring and another group born in autumn
- common extensive management and feeding production system
- ✓ transferred to the same farm at 5 months of age
- ✓ slaughter at 150-170 kg with 15-17 months of age
- same slaughterhouse in several slaughter series
- multivariate BLUP-animal model
- slaughter series effect (included year-season effects) herds effect
- covariable: carcass weight



