



IRISH CATTLE BREEDING FEDERATION & SHEEP IRELAND

The new infrastructure for cattle and sheep breeding in Ireland.

Brian Wickham
Chief Executive
ICBF & Sheep Ireland



Content

- Background
- Data & Information Sharing
- ICBF's National Database
- Genetic Evaluation System
- Funding
- Benefits





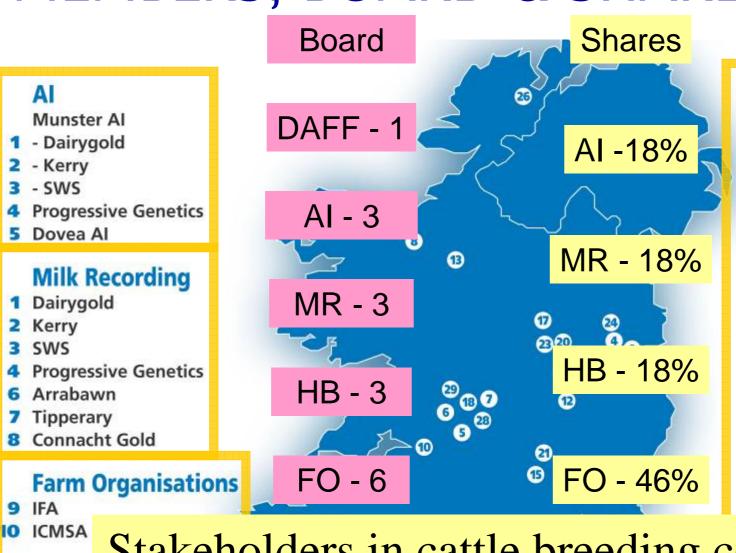
Irish Cattle Breeding Federation Society Limited (ICBF)

- Established with interim Board in 1997
- Commenced operations in 1998
- Current structure in 2000
- Mission: achieving the greatest possible genetic improvement in the national cattle herd Dairy and Beef





MEMBERS, BOARD & SHARES - ICBF



AI

3 - SWS

2 Kerry

3 SWS

9 IFA

Herdbooks

Holstein Friesian 11

Belgian Blue 12

Angus 13 Aubrac 14

Blonde d'Aquataine 15

Charolais 16

Hereford 17

Limousin 18

Normande 19

Parthenais 20

Piedmontese 21

Shorthorn 22

Simmental 23

Jersey 24

Kerry 25

MRI 26

Montbeliarde 27

Rotbunt 28

Saler 29

ICBF 30

Stakeholders in cattle breeding control decision making.

Data & Information Sharing Agreement

- · Contributors retain ownership
- Farm data through "Animal Events"
- Electronic sharing of data collected
- Data for research
- Integrated genetic evaluations
- Herd owner controls access
- Information for service providers
- HerdPlus® information of herd owner
- User-pays & full cost recovery





Database – single source – without duplication

Source of data	Type of data
Farms	Animal events - birth, calving, weights, docility,
DAFF - official system	Registrations, movements, deaths, exports
Meat Factories	Slaughter (date, weight, grade), Images
Marts	Sale (date, weight, price)
Al	Insemination (date, sire)
Milk Recording	Milk weight
Laboratories & Milk Processors	Milk composition, disease test results, genotypes
Linear scoring	Weights, scores - beef & dairy
Genetic evaluations	Breeding values, reliabilities, indexes

Database Information - single source - to many users

Users	Type of Information
Service providers: - Milk recording - Herd Book - Al Stud & Field - Advisory - Veterinarians - Milk processors - Researchers	 Customer profiles Service details Genetic evaluations Herd Books Discussion Groups & Farmer Reports Elite animals Research results Active AI bull lists Raw data files for research
General public: www.icbf.com	 HerdPlus®- genetic evaluations, reports GROW®- reports G€N€IR€LAND®- progeny test Statistics, Reports, Publications Genetic Evaluations

Beef Genetic Evaluations



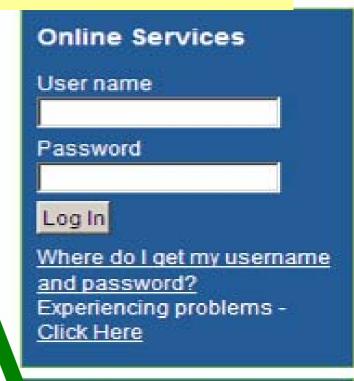
- · Cattle Statistics
- Annual Reports
- Academic Papers
- · Glossary

Learn more about ICBF

- Contact Information
- Costs and Benefits
- The Database
- Members
- Structure
- IntemICBE Website
- Legal and Privacy

www.icbf.com

Any comments on the new icbf website can be submitted hebull search

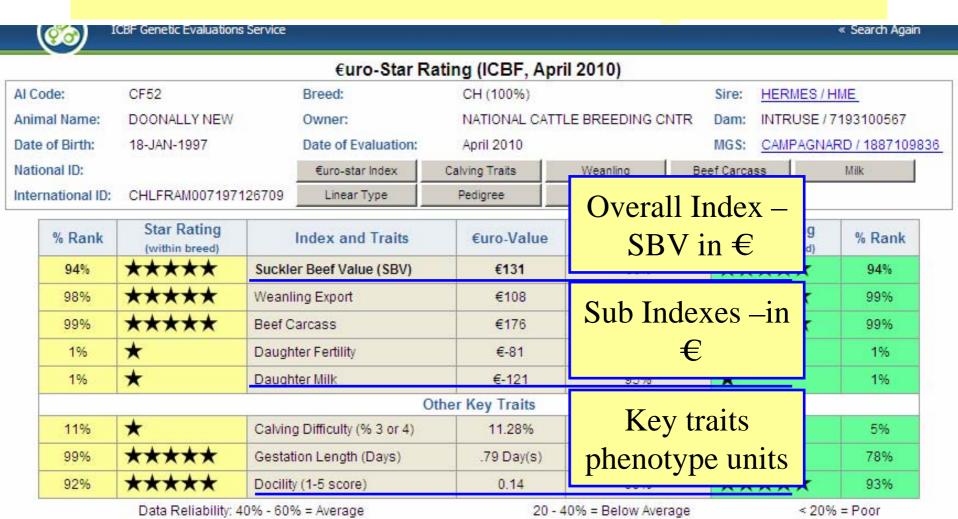


earch by: A 'Ai Code, Tag, Herd Book N TT ame or part of name

Bull Search

CF52 Search

Beef Bull €uro-Star Evaluation







Dairy Genetic Evaluations



- Cattle Statistics
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User name Password Log In Where do I get my username and password? Experiencing problems Click Here



Dairy Bull EBI Evaluation

Code:

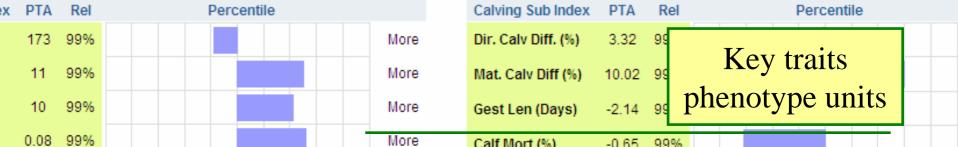
mal Name:

COT/SBM

01-SEP-1992 Date of Evaluation: April 2010 MGS: SIR C VALOR / 6501811754 e of Birth: ional ID: EBI Summary Milk Fertility Calving Beef ernational ID: HOLDEUM001021231601 Type Health Pedigree Prev Eval on understanding EBI, PTA's and Breeding Values - Click Here Overall Index – Index Euro Rel Percentile EBI in € **FBI** 98 99% Milk Sub Index 99% Fertility Sub Index 99% Calving Sub Index 20 99% Sub Indexes –in Beef Sub Index 99% Health Sub Index 99%

99%

Maintenance Sub Index

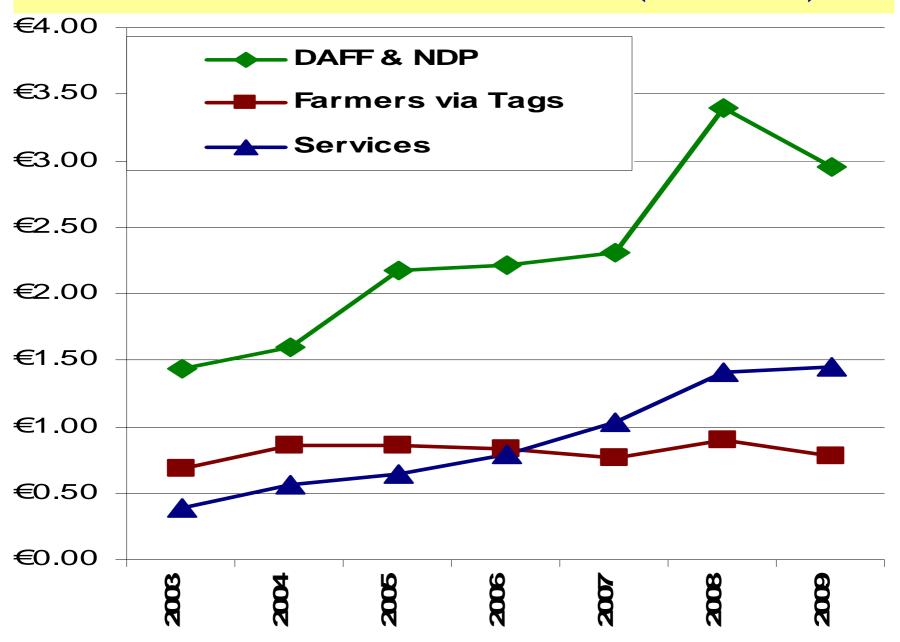


20

60

70

ICBF INCOME SOURCES (million)



Benefits to Stakeholders

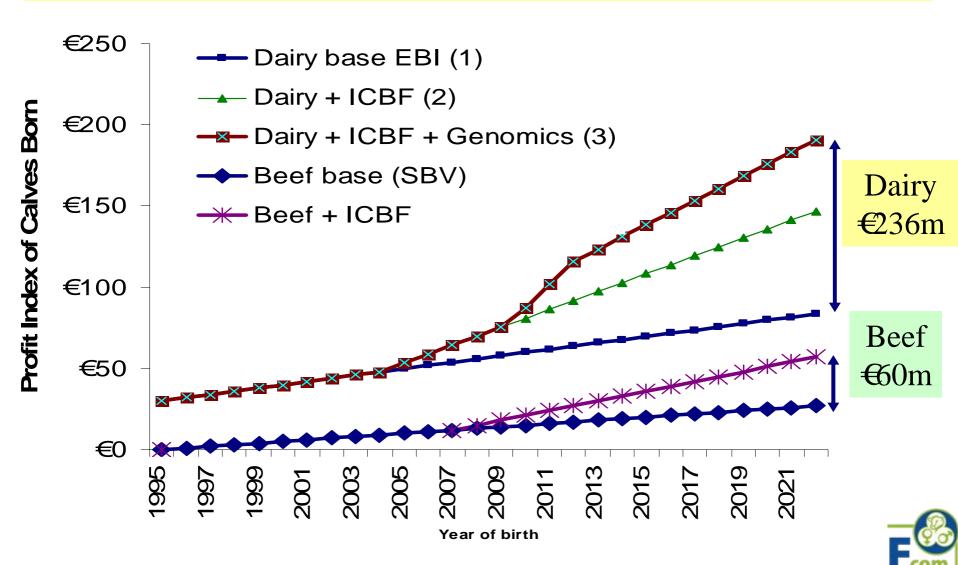
State

- cost savings (€1.35m)
- taxation (€2.27m)
- research, education, knowledge transfer
- Community
 - Industry processors, suppliers
 - Consumers
 - Society
- Farmers
 - Service users now & future
 - Non users of services now & future
- Breeding Industry

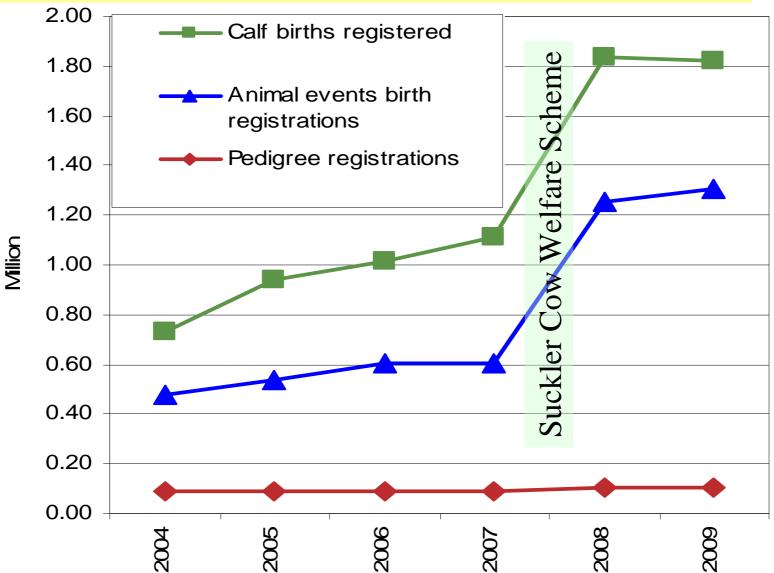




Projected Impact of ICBF on Genetic Gain of Dairy & Beef Calves Born in Ireland.



Growth of Participation – 90% of calves born in 2009







Conclusions

- Animal breeding is a unique and powerful tool for improving the profitability of cattle and sheep farming in Ireland.
- Irish animal breeding has been transformed through a unique partnership between farmers, the breeding industry and DAFF.
- New technologies, market imperatives and economic pressures are providing the motivation for this transformation to be continued.
- Continued investment will give excellent returns.
- The model established for animal breeding has potential to achieve substantial progress areas such as plant breeding, animal health and product quality.





