

Improving Meat Eating Quality for Beef and Sheep

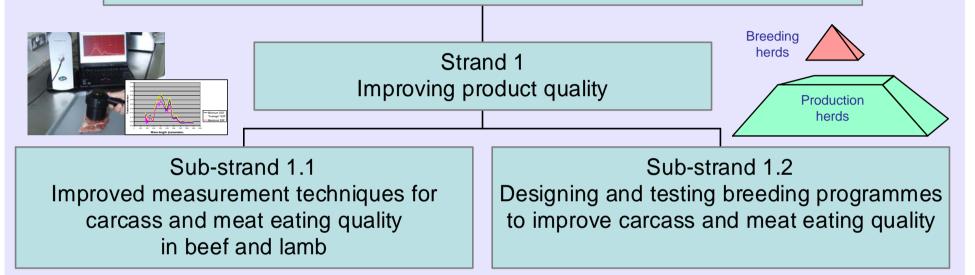
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Sustainable Livestock Systems Group Scottish Agricultural College, Edinburgh, UK

Work Package 2.5 of the Scottish Government



Livestock Genetics and Management for Product Quality and Sustainability



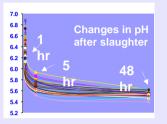
Substantial improvement of the efficiency of Scotland's livestock farmers in an increasingly competitive food chain.

Improved Measurement Techniques used in Beef







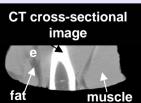








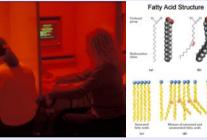






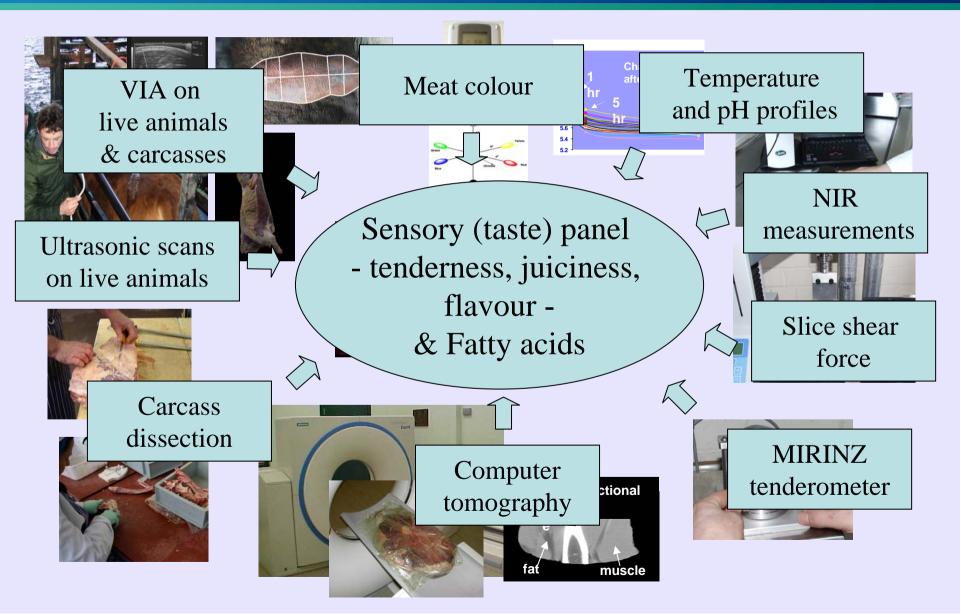




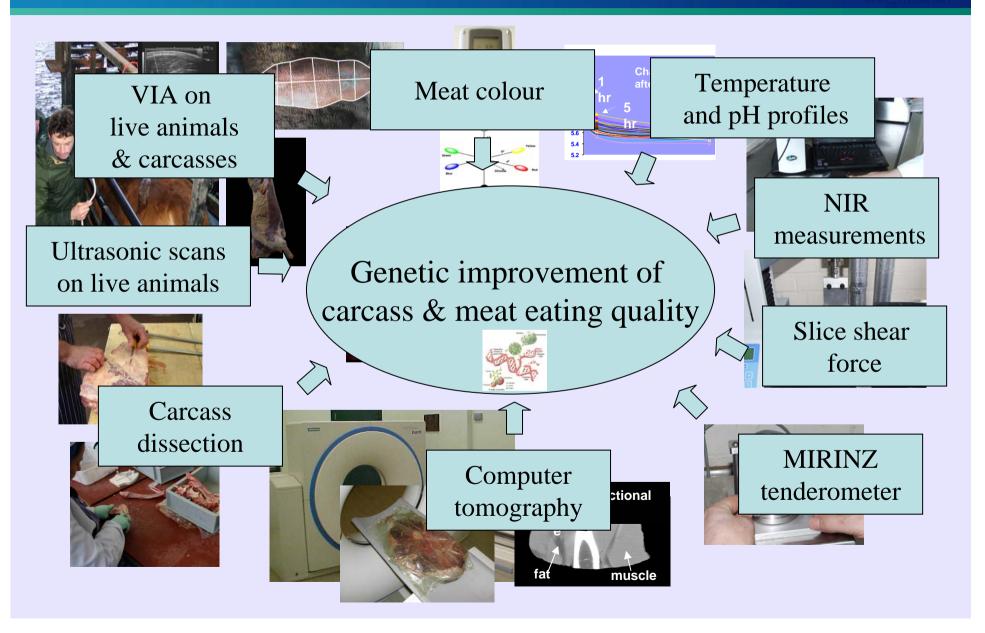


Improved Measurement Techniques used in Beef



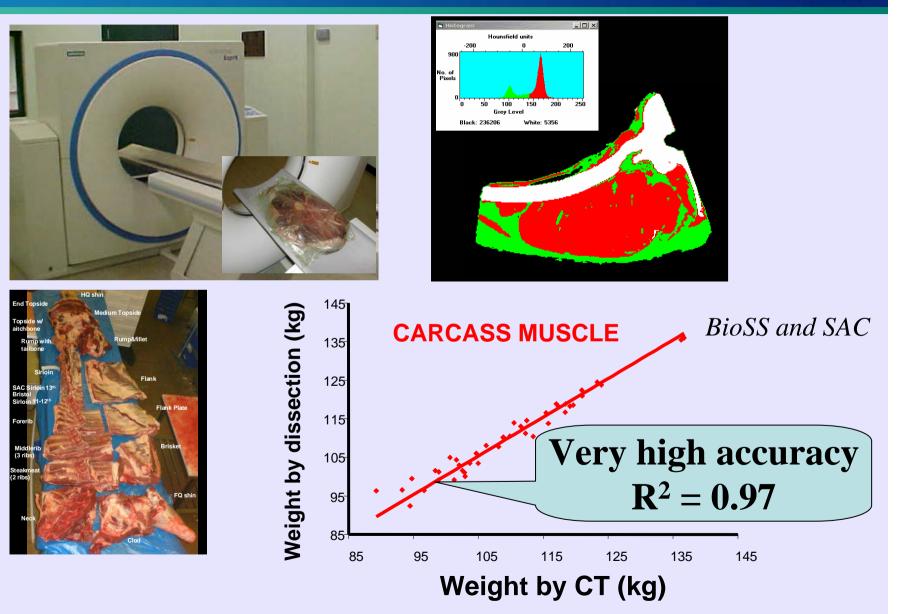


Designing and testing Breeding Programmes to improve Carcass and Meat Eating Quality in Beef



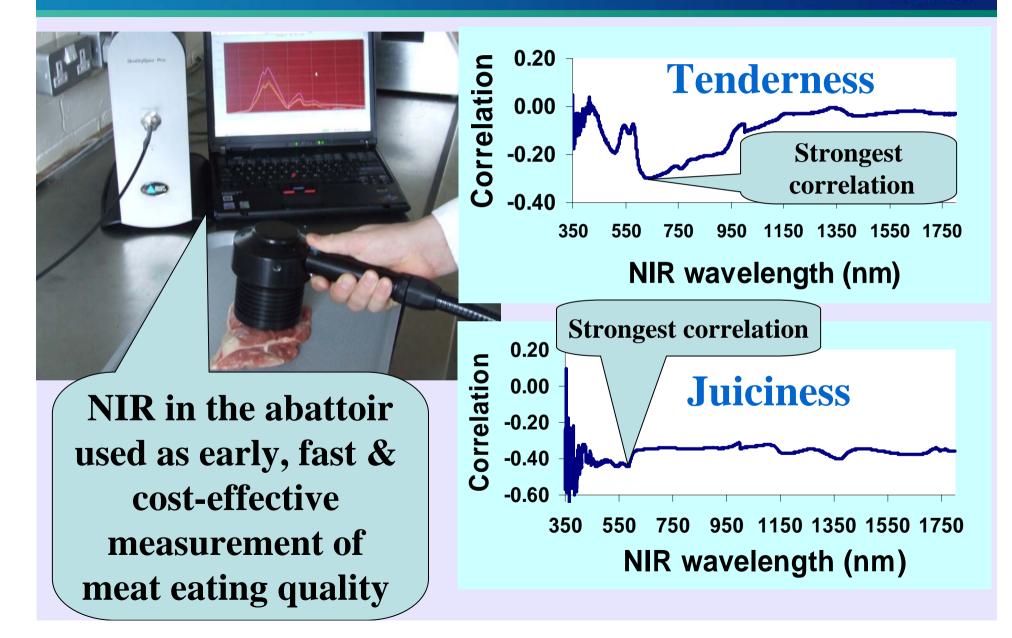
Results:

High Accuracy of Computer Tomography (CT) in Beef sac



Results:

Near-Infrared (NIR) Spectroscopy in Beef

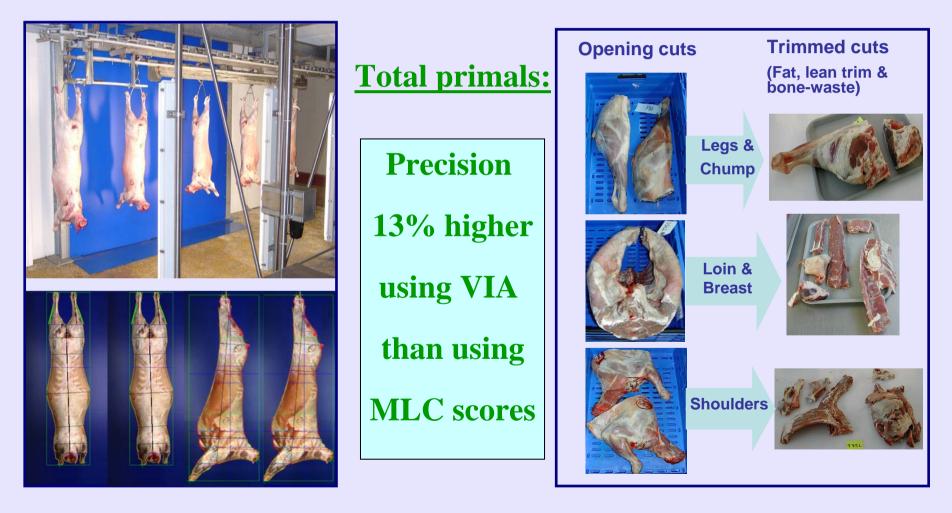


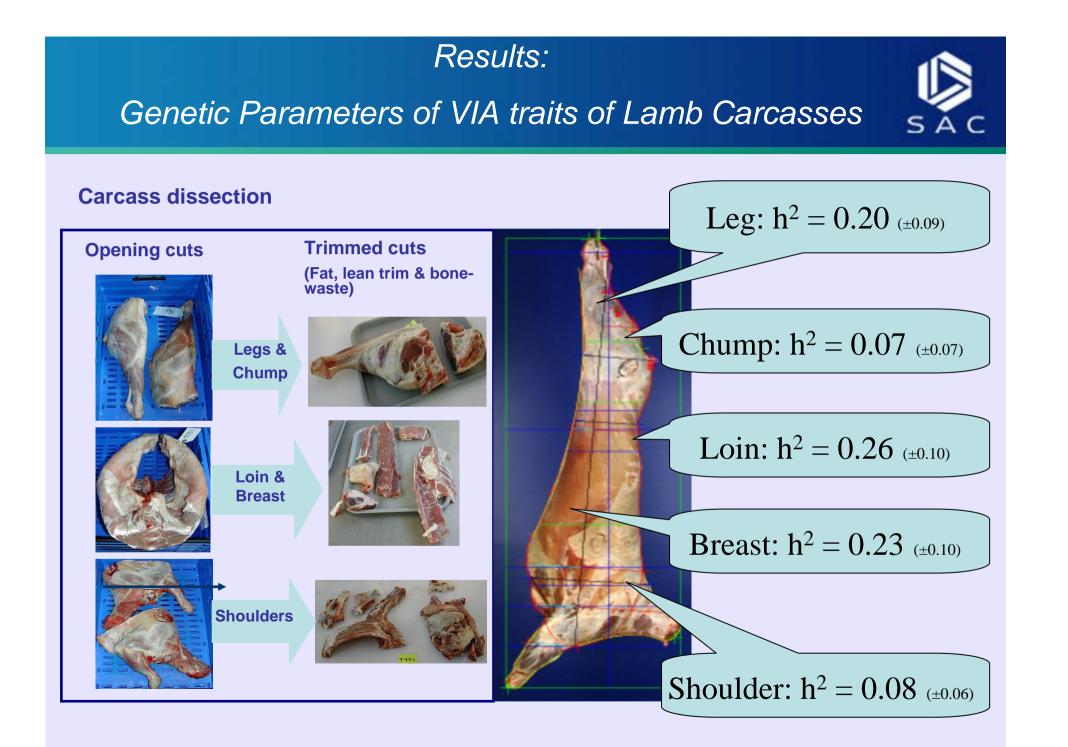
Results:

Video Image Analysis (VIA) of Lamb Carcasses

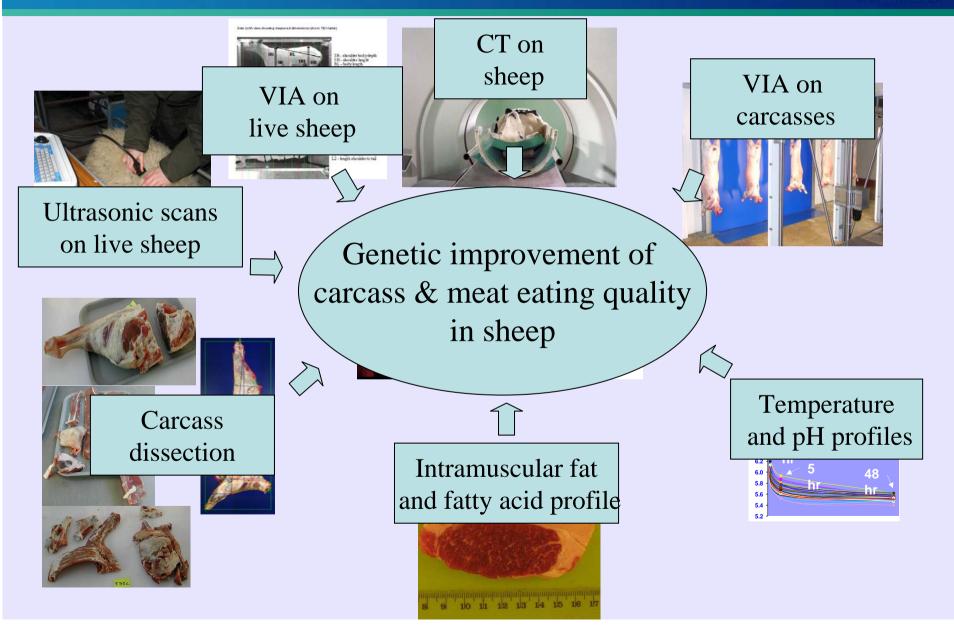


Video Image Analysis Comparison Carcass dissection





Designing and testing Breeding Programmes to improve Carcass and Meat Eating Quality in Sheep



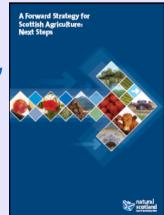
Policy Relevance



'For the future, livestock farmers will need to adopt practices and technologies that enables them to operate effectively as the first link in an increasingly competitive food chain, contributing to the production of safe, high quality food at the right price and adapting to changing market signals'



Strategic Research for Environment, Biology and Agriculture 2005-2010 of the Scottish Government

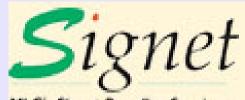


Acknowledgements





Scotland's Finest Quality Meat Online



MLC's Signet Breeding Services

BCF Technology Ltd. Pioneering Diagnostic Ultrasound for Animals.













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as part of Work Package 2.5



Supporting the land-based industries for over a century







Thank you very much!