An information infrastructure for facilitating the delivery of improved profits on Irish cattle farms and improving the commercial viability of the Irish breeding industry.

Brian Wickham, ICBF
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Who benefits from recording and genetic evaluations?

![Diagram showing benefits to Breeder, Producer, Processor, Distributor, and Consumer](image)

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Who benefits from recording and genetic evaluations?

Suppliers of inputs

next year
Who benefits from recording and genetic evaluations?

Suppliers of inputs

next year
Who benefits from recording and genetic evaluations?

Suppliers of inputs for many years into the future
Who contributes to recording and genetic evaluations?

• Data and Knowledge
• Funding
  – operations
  – investing in R&D
Who contributes to recording and genetic evaluations?

Data and Knowledge

Suppliers of inputs

Breeder → Producer → Processor → Distributor → Consumer

Data

Research Facility

Products & Services

Knowledge

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Who contributes to recording and genetic evaluations?

**Funding**

Taxation / Levy / …

€ ↑ € ↑ € ↑ € ↑ € ↑

Breeder → Producer → Processor → Distributor → Consumer

€ ↓ € ↓ € ↓ € ↓ € ↓

Suppliers of inputs

Research

Products & Services

Knowledge

Private Funding

Public Funding

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Irish Model – is this the future for animal recording & genetic evaluations?

- Data and Information Services
- Innovation
- Funding
- Progress
Irish Model – data, recording, genetic evaluation & information services

ICBF Database

Service Providers – Recording, Genetic Evaluations, Artificial Inseminations, Advisory, Veterinary …

Services

Breeder | Producer | Processor | Distributor | Consumer

Data

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Irish Model – research, innovation and service development.

Service Providers – Recording, Genetic Evaluations, Artificial Inseminations, Advisory, Veterinary …

Products & Services

Knowledge

Research Facility

ICBF Database
International Considerations

We support:

- ICAR Standards & Guidelines
- Interbull (dairy) & Interbeef (beef)

In order to get:

- Data from other countries we can trust
- Genetic evaluations from other countries we can trust
Who contributes to recording and genetic evaluations?

**Funding**

Taxation / Levy / …

Breeder  €  
Producer  €  
Processor  €  
Distributor  €  
Consumer  €  

Service providers

Products & Services

Private Funding

Public Funding

Research

Knowledge
Move to EBI

Change to Holsteins
Impact on AI Sector – recorded dairy replacements by year of birth

- **Total**
- **Known sire**
- **AI Sire**

<table>
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<th>Total</th>
<th>Known sire</th>
<th>AI Sire</th>
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Active Dairy AI Sires - % by Country of Birth

IRE
USA
NZL
NLD
Conclusions

- Ireland has established a new infrastructure for recording and genetic evaluations. In essence a partnership between service providers, farmers and Government.
- Funding has been provided by a mix of taxpayer, industry and service income.
- This has resulted in rapid innovation, and substantial short and long term benefits for farmers and service providers.