

Animal health

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Animal health issues



- Biosecure diseases
 - BVD
 - *[IBR, Johne's disease]*
- Non-biosecure diseases
 - Fertility
 - Milk quality/mastitis
 - Lameness
 - Calf health (scours, pneumonia)





Animal health issues

- On-farm profitability
 - Eg: Milk quality
 - *Treatment*
 - *Production losses*
 - *Culling*
 - *Changes in milk quality*
- Ongoing/increased market access
 - Johne's disease
 - Milk quality/mastitis
 - IBR





Performance

International comparisons



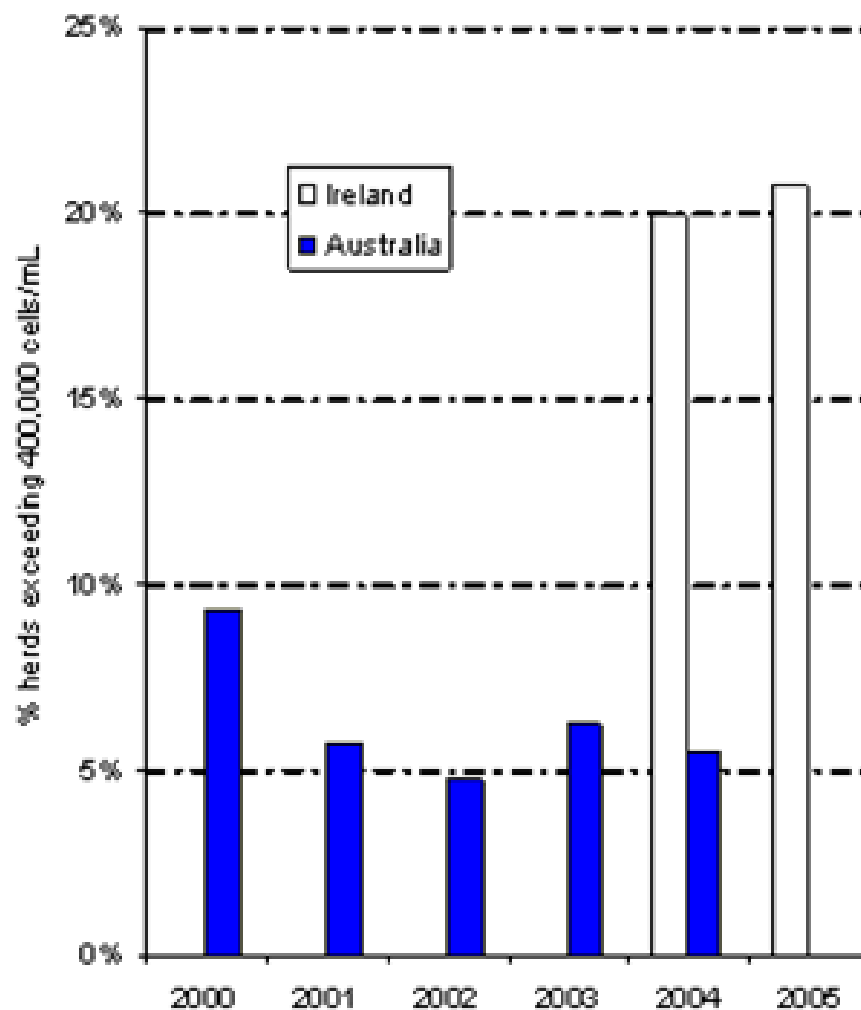
- ◆ BHV1-free
- ◆ Partly BHV1-free
- ◆ BHV1 compulsory eradication
- ◆ Regional voluntary BHV1 eradication programmes or BHV1 legislation
- ◆ Neither official plans for national eradication or legalisation nor regional efforts





Performance

International comparisons



Ireland

- milk-recorded herds
- monthly recordings

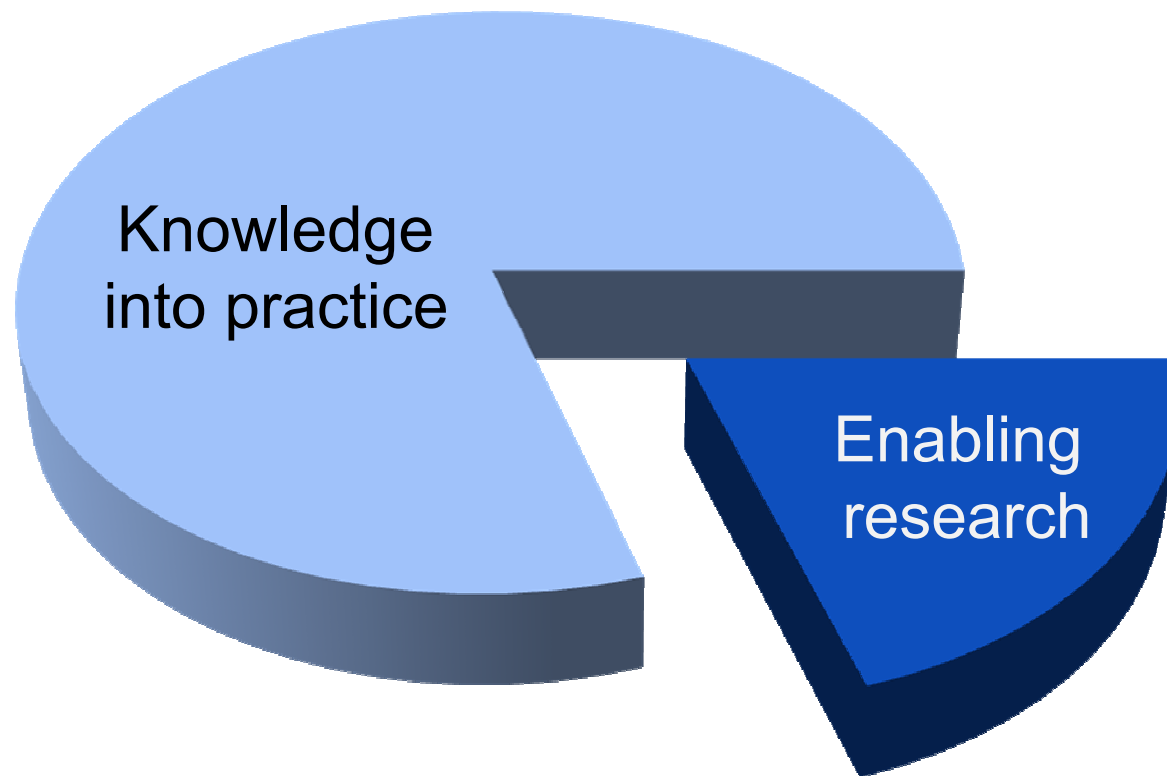
Australia

- all herds
- % milk supply





Making progress



Knowledge into practice



Enabling
research

- Very substantial progress, using existing knowledge, in a number of countries (*Scandinavia, Australia*)
- Variable compliance on Irish farms with recognised control/prevention
- Rapid resolution of SCC problems on Irish farms, following rigorous investigation (*UCD Herd Health*)

Animal Health Ireland



- Addressing *'Priority 1'*
- Technical working groups
 - Udder health/milk quality
 - IBR
 - BVD
 - Calf health (scours, pneumonia)



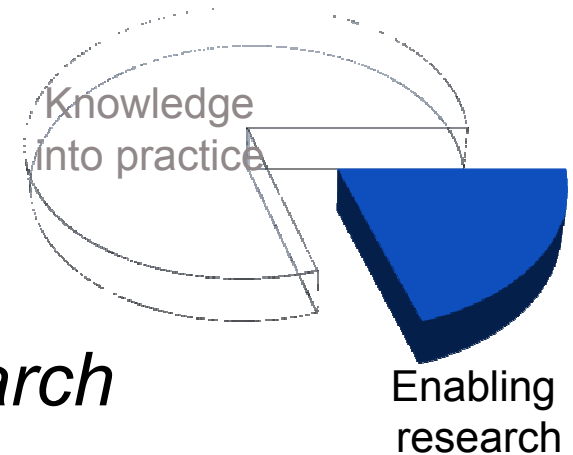
Enabling research



- *There are lots of unanswered questions ...*
 - What are the key unresolved questions that if answered would most contribute to effective disease control in Ireland
- *A compelling case for long-term strategic planning ...*
 - An agreed national roadmap ... the key unanswered animal health questions to address in the next 5, 10 years



Enabling research



- *There is a lot of international research activity ...*
 - What are the key unresolved questions that will not be answered elsewhere?
 - In what areas does Ireland have international competitive advantage?



Bovine tuberculosis

Tuberculosis in cattle

- Improved understanding of disease epidemiology
- Contributing to policy options
 - Programme management
 - Improved surveillance
 - Improved management of high risk herds

Tuberculosis in wildlife

- Badger-to-badger transmission
 - Ecology, epidemiology
- Badger-to-cattle transmission
 - Contact between badgers and cattle
 - Badger TB vaccine

Additional work

- Genetics



Biennial Report, 2006-07

The Centre for Veterinary Epidemiology and Risk Analysis
The TB Diagnostics and Immunology Research Centre
The Badger Vaccine Project



Department of
Agriculture,
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An tAidilíne
Talmhaíochta,
Iascaigh agus Bia

Bovine tuberculosis

Selecting for resistance in cattle

Databases

- Animal breeding
- Disease control

Relevant expertise

- Genetics
- Disease control



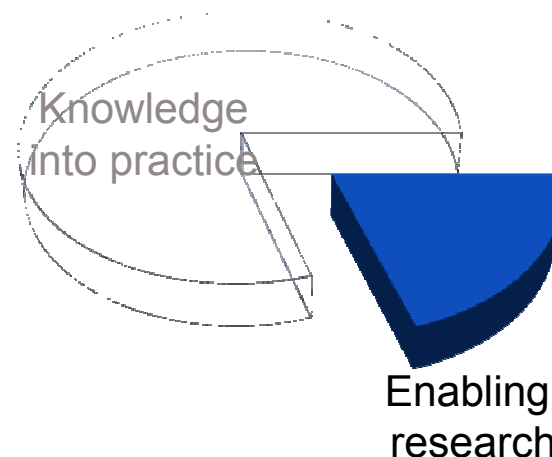
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Enabling research



- *A compelling case for long-term strategic planning in animal health research*
- *A focus on the key unresolved questions:*
 - That if answered would most contribute to effective disease control in Ireland
 - That will not be answered elsewhere?
 - In areas where Ireland has an international competitive advantage?