



Research and Innovation, a MS' perspective European Pig Meat Reflection Group 4th meeting

Head of the Pig Development Department
Teagasc, Irish Agriculture and Food Development Authority

Main points

- Our group and stakeholders
- Current areas of research
- Research on environment
- Funding sources and barriers

Teagasc Pig Development Department

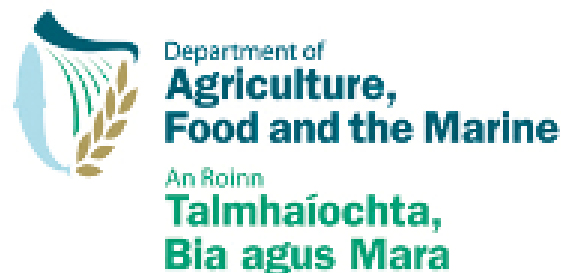
- Public and private funding (levy, 10 cents/pig)
- Research + Advisory + Education
- 40 staff: 4 researchers / 6 advisors / 20 PhD-PDs
- Pig Research Facility (200 sows)



Who is involved?



Slaughterhouses,
Mills, Veterinarians



National
Quality
Scheme



National health
and welfare
programmes



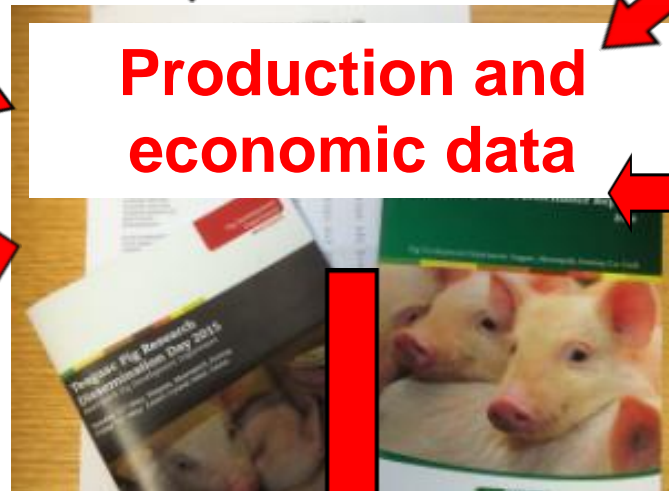


2847
Farm data

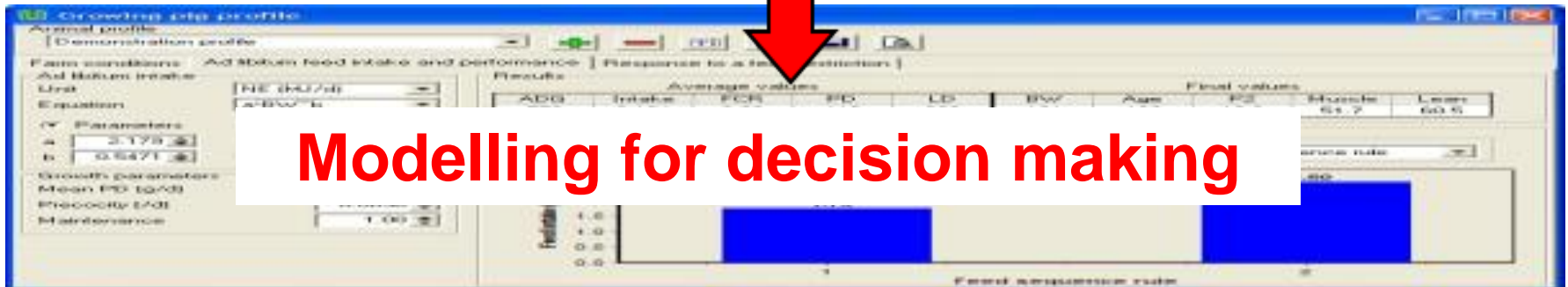
Animal	Entered	Ep.	DOB	Ear	Breed	In.	Tag-ID	Sire	Dam	Transp
2847	210515									9891537

Li	Serv	Boar 1	Boar 2	Boar 3	Farr	Mu	Fo	Sat	Wean	No	Wt	Pen	Wa	Sv
1	200415	PL28	PL33	PL26	1308									
		? 11/05	? 01/06											
Average														

Pigs/Sow/Year
L/L/Sow
Non-pr/Lit



Environmental Impact
???



Current areas of research

Societal challenges

- Welfare: tail docking, cages
- Antimicrobials and ZnO
- Environment: NH₃, Carbon footprint

Industry challenges

- Economic sustainability
- Generational succession

Research on Environment

- Anaerobic Digestion
- Carbon Navigator (Teagasc/Bord Bia)
- SignPost Farms (100 case farms)
- Low protein diets (13-14%)
- Slurry treatment and management
- New facilities

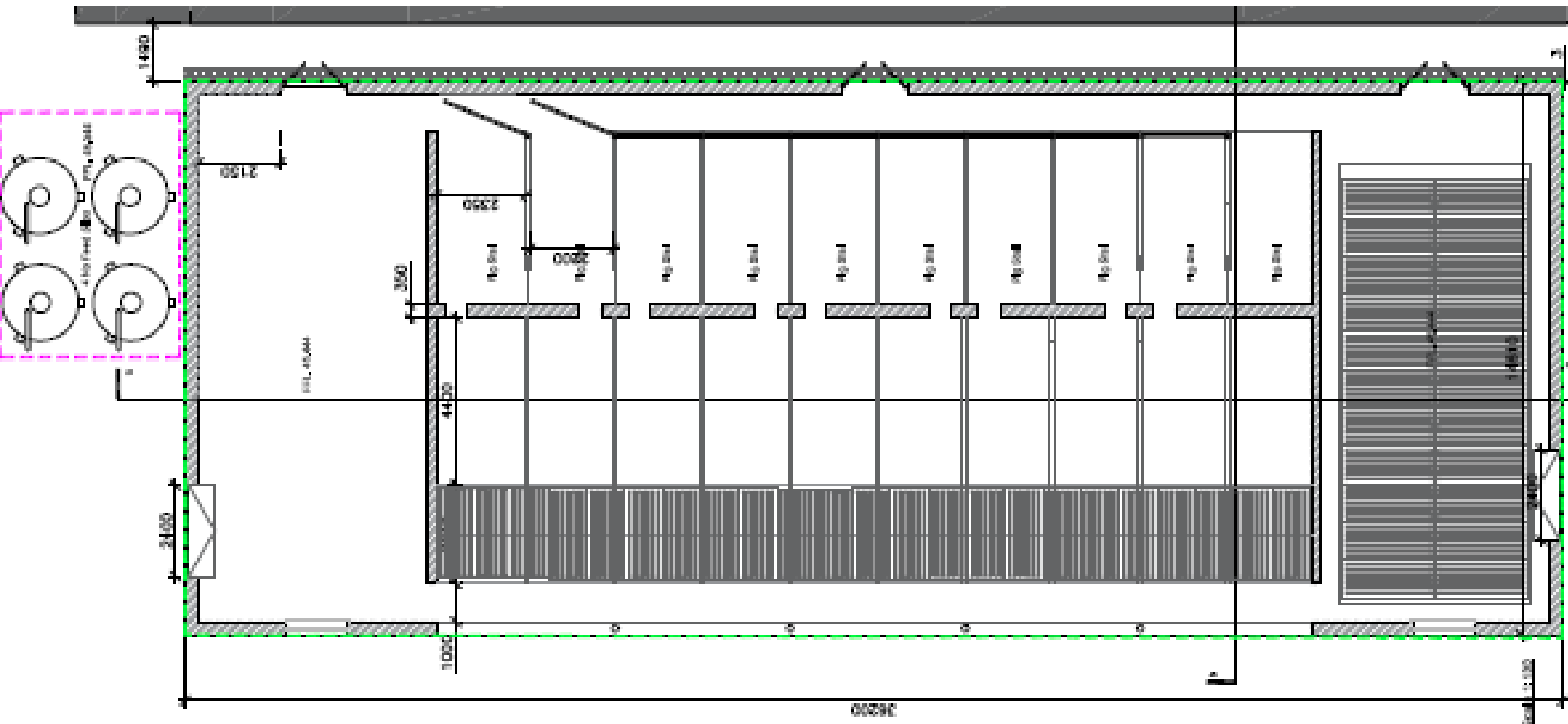
No AMU + High welfare + Low env. impact



**Completely new systems = capital investment
Difficult to find**

2+ environments

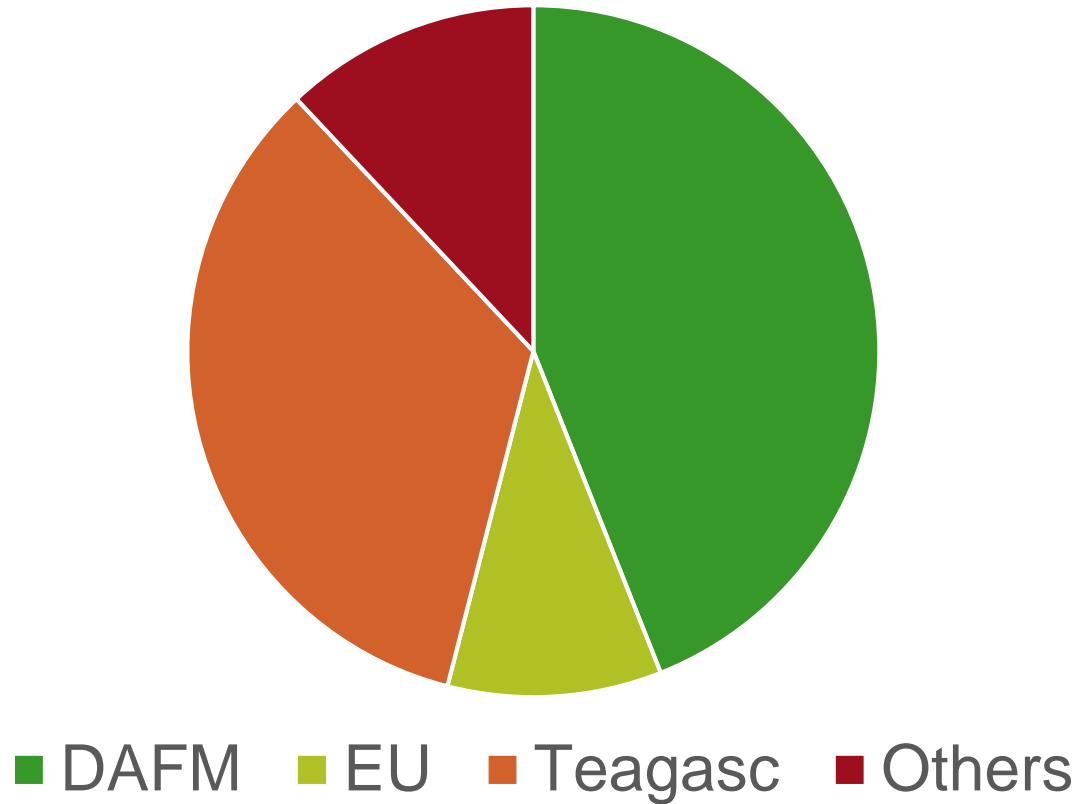
No tank under the pens



More use of
circular feeds

Solid – liquid separation
Scrapers, Covered tanks

Source of funding for research projects



Total project: 800K to 1 million euros/year

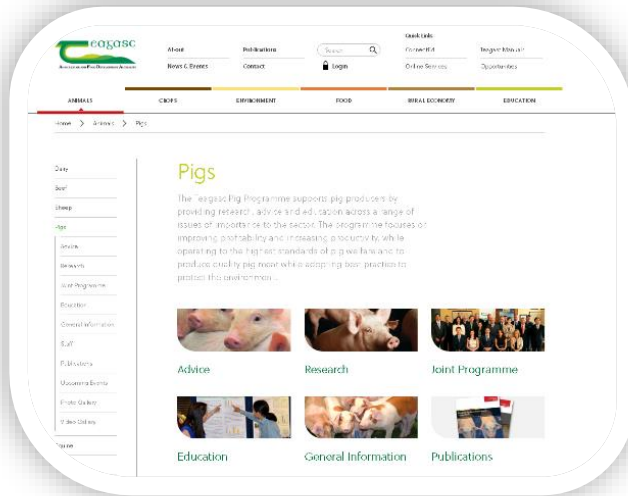
Funding tools used

- R&I Horizon projects
- Thematic networks
- Operational groups (RDP)
- EU networks
- MSC
- National projects
- ...

Barriers for progress

- Radical changes req. vs low technical knowledge
(Top-down) ? (Bottom-up)
- Need for high capital investment in research
- Need for high risk projects at higher TRL
- Need more involvement/interaction of farmer org.
- EU Model Farms?

THANKS - Go raibh maith agat

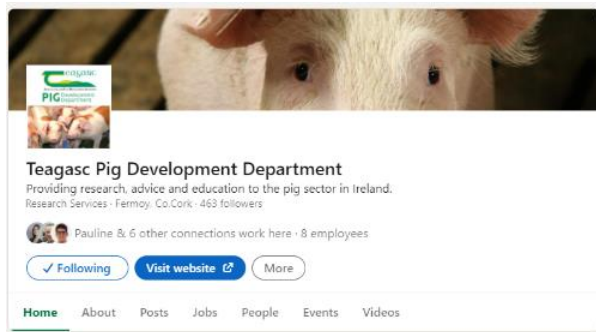


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