



Keelin O'Driscoll and Jen-Yun Chou

# **Project context**

Council Directive 2008/120/EC



'before carrying out tail-docking other measures are to be taken to prevent tailbiting and other vices, **taking into account environment and stocking densities**. For that reason, **inadequate environmental conditions or management systems** are to be changed'

'ensure that pigs have permanent access to a **sufficient quantity of material to enable proper investigation and manipulation activities**, such as straw, hay, wood, sawdust, mushroom compost, peat or a mixture of such ('enrichment material'), which does not compromise the health of those animals.'

- March 2016: EU commission recommendation (2016/336) on application of the 2008 Directive on tail docking
  - Staff working document developed and available to provide guidance

### **Current situation**

- 99% of Irish pigs tail docked
  .....Similar figures in most European countries!
- 1. What are the concrete progress indicators for this action plan for the period 2017-2019?
  - Action plans from all MS by end Jan 2018
    - a. existing compliance with EC law
    - b. enforcement strategy
    - c. the rate of tail-docking at national level
    - d. recorded evidence at farm level of tail and ear injuries
    - e. on-farm risk assessment based on the parameters listed in Recommendation (EU) 2016/336(2)
    - f. implementation of improvement measures on farm
- 2. What specific steps have been taken by individual Member States in this regard?
  - 1. 12 MS submitted by end Jan 2018

#### Work to date.....

1. Survey



- 2. Compressed straw
- 3. Use of wood
  - 1. Hard soft
  - 2. Hard soft or toy

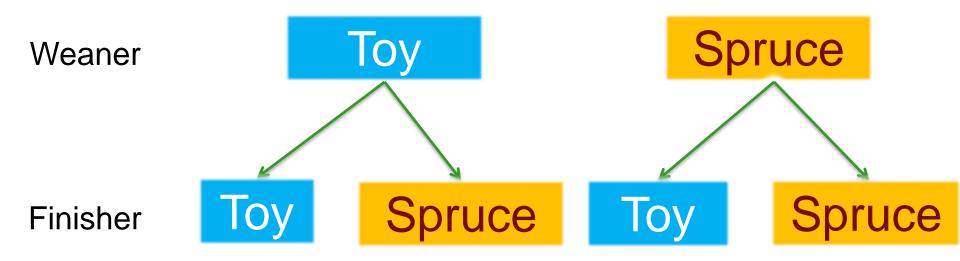






## Long tails!

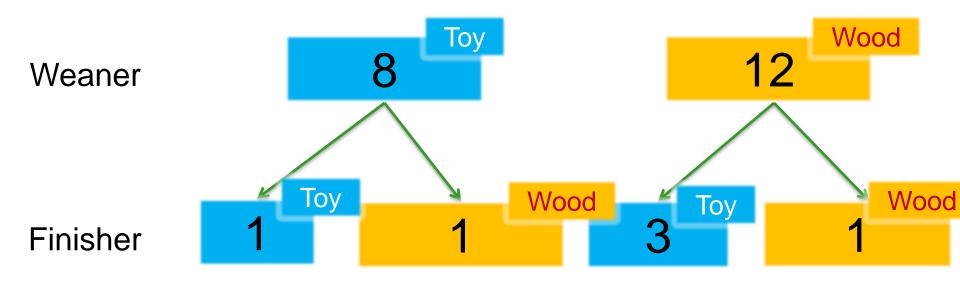
August – December 2016, 14 pigs/pen (48 pens)



	Control (%CF)	High fibre (%CF)
Weaner	3.23	6.38
Finisher	5.63	10.65

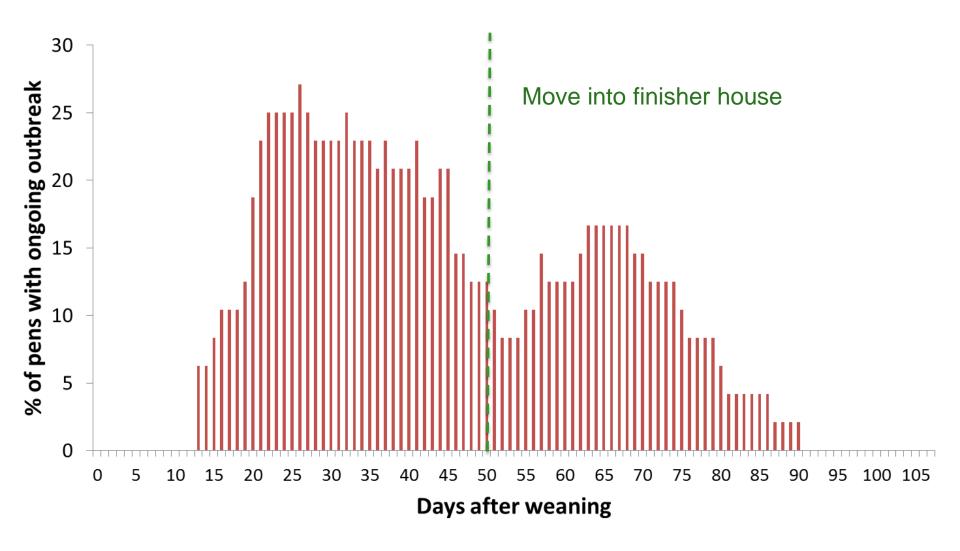
#### **Outbreaks**

20% of the pigs had fresh blood present on the tail



•	26		Control (%CF)	High fibre (%CF)
•	Hos	Weaner	8	12
		Finisher	4	2

### **Outbreaks**



### **Proof of concept study**

- 96 pigs (12 pigs/pen), 8 pens
- Farrow to finish





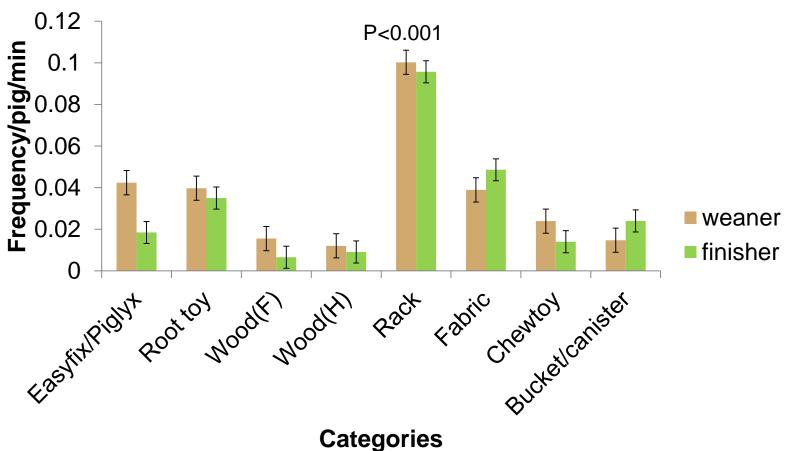


### 8 Enrichment Categories x 4 items

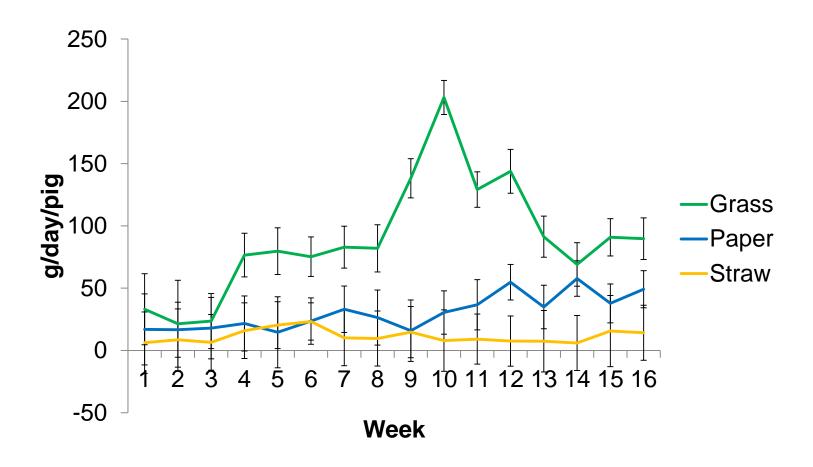
	Properties (Van De Weerd et al., 2003)						
Category	Rootable	Durable	Edible	Presentation	Texture	Location	
1. Easyfix				Move	Soft	Floor	
2. Root toy – floor			0	Move	Soft	Floor	
3. Wood – holder				Attach	Hard	Floor	
4. Wood – hang				uspend	Hard	Eye	
5. Rack				Attach	Loose	Eye	
6. Fabric				uspend	Soft	Eye	
7. Chewtoy – hang				uspend	Soft	Eye	
8. Bucket				uspend	Loose	Eye	
9							



#### Interaction with different categories by direct observation



#### Different loose materials



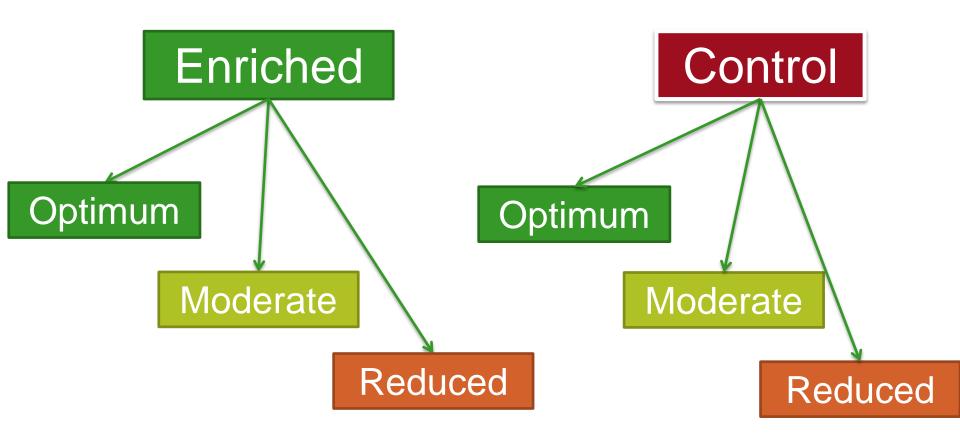
## No outbreaks!!





### Next step...

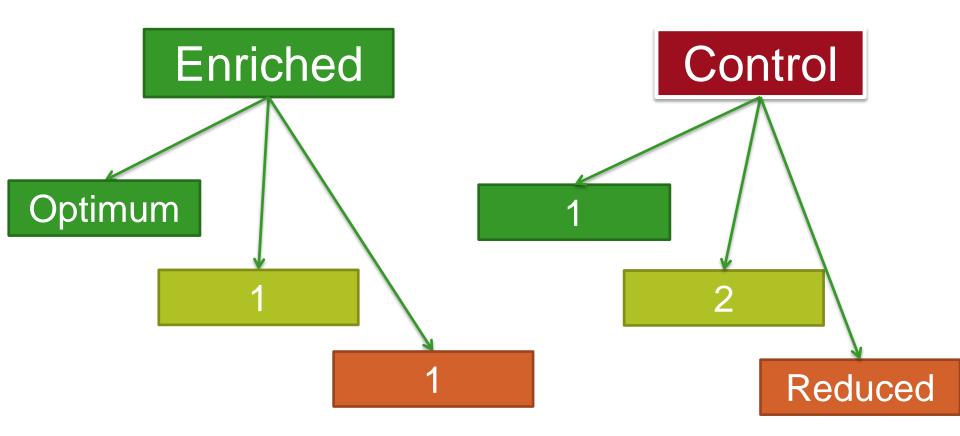
March 2018 – present





### Unfortunately.....

7 weeks post weaning for first batch...





### Where to next...



We need to be able to rear undocked pigs in Moorepark...

Maybe the rack is 
 † important than we realised

#### Finnish experience:

- Reduce no pigs/pen (0.9 m² finishers since 2012)
  - Our pens =  $10.02 \text{ m}^2$ :  $12 \text{ pigs} = 0.84 \text{ m}^2$
- Reduce competition at feeder
  - Considered ↑ important factor for Finnish farmers

(Valros et al., 2015)

• Breed?

Open to suggestions!



# Take home message!

- Control of tail biting outbreaks in undocked pigs is extremely difficult
- Step-by-step process of determining which methods work
  - Farm specific
- Looking like the ban on docking will enforced reasonably shortly – post 2019?

Must be addressed before it becomes a non-compliance issue!

### Thanks!

- Teagasc advisory, technical and farm staff
- Constance Drique

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(Entail, 2014)