

Roadmap for the environmental sustainability of the English Pig Industry

What problems / opportunities does the component solve / respond to?

- The industry has been in decline since the late 1990's
 - Low financial returns
 - High levels of disease.
 - Old infrastructure
 - Concentration of processing capacity
- High proportion of imports
- Demands from the market place for high welfare production
- Demands from Market and government for lower carbon products
- Pressure to comply with environmental legislation
 - Lower emissions
 - Encroachment by the Urban population
- Restoration and development of overseas markets
- Improve the perception of the public/consumers of the industry
- To produce high quality and safe meat protein and other products which provide a high level of consumer satisfaction.



Roadmap for the environmental sustainability of the English Pig Industry

- Develop a sustainable industry, environmental, economic & social



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What are the components proposed solutions to the problems / opportunities?

- Research projects
 - New knowledge
 - Develop understanding of issues
 - Knowledge transfer
- Programmes to improve farm performance
 - Physical – target KPI's
 - Two Tonne Sow, Breed+3, Going for growth
 - Health – disease management
 - Welfare – Real Welfare Indicators
 - Technical knowledge transfer
- Stakeholder involvement with process development
 - Inward/outward partnerships
- Education and marketing
 - Includes responsible consumption



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Who are the component's clients, and how will the component market / 'sell' its services/products to them?

- Producers and allied industries – focus on benefits to business
 - Economic
 - Management
 - Legislation
 - Resilience
 - Integrate into and capitalise on other initiatives/activities – NOT A DISCREET WORKSTREAM
- Government, policy makers and regulators
 - Engagement and participation
 - Being at the forefront – proactive not reactive
 - Solutions not problems
- Supported by levy and stakeholder contributions



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What is the component's added-value?

- Long term sustainability of sector.
- Demonstrate progress

Chart 1: Comparison of 2008 to 2012 results (per kg of pork)

		2008	2009	2010	2011	2012	Change 2008-2012
Climate change	kg CO ₂ -eq	6.18	5.93	5.88	4.55	4.55	26.3%
	% change p.a.		4.0%	0.9%	22.6%	0.0%	
Eutrophication	kg PO ₄ -eq	0.072	0.069	0.068	0.063	0.059	13.2%
	% change p.a.		3.6%	1.8%	7.3%	1.0%	
Acidification	kg SO ₂ -eq	0.207	0.201	0.198	0.191	0.187	9.4%
	% change p.a.		2.7%	1.5%	3.7%	1.8%	
Resource depletion	kg Sb-eq	0.0090	0.0086	0.0085	0.0083	0.0083	8.3%
	% change p.a.		4.4%	1.5%	2.6%	0.0%	



POSITIVE PROGRESS

An Update on the Roadmap for the environmental sustainability of the English Pig Industry

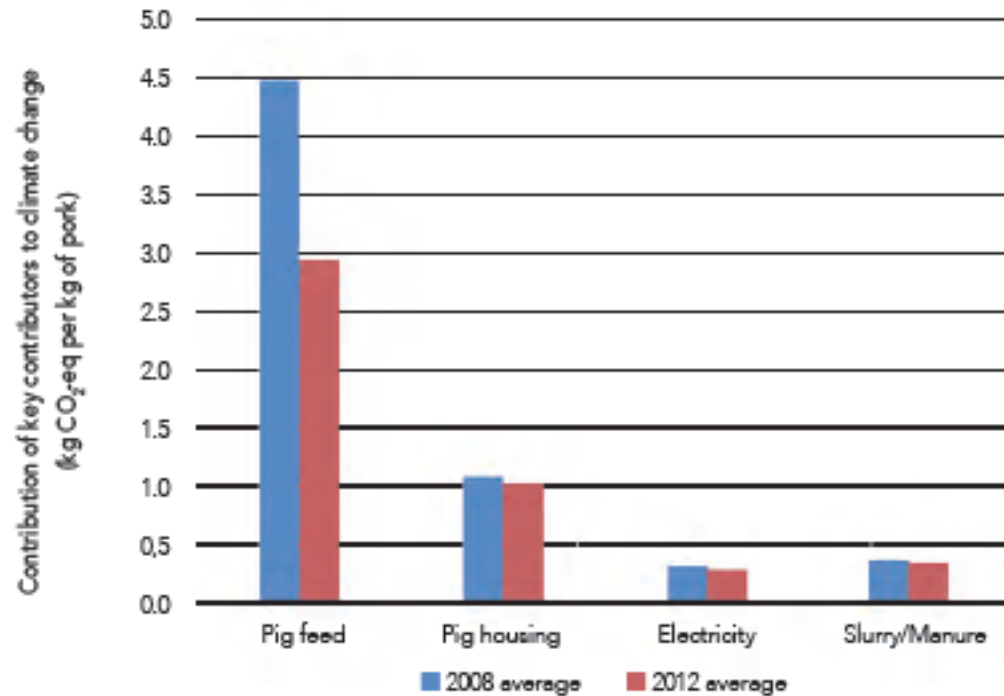
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- Impact of components

Chart 9: Contribution of key contributors to climate change



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What is the component's added-value?

- Long term sustainability of sector.
- Demonstrate progress

Chart 3: Comparison of 2008, 2012 and 2020 results – per kg of pork

Impact category	Unit	2008	2012	2020	% improvement
Climate change	kg CO ₂ -eq	6.18	4.55	4.12	33%
Eutrophication	kg PO ₄ -eq	0.072	0.062	0.059	18%
Acidification	kg SO ₂ -eq	0.207	0.187	0.180	13%
Resource depletion	kg Sb -eq	0.0090	0.0083	0.0074	19%

Source: ERM LCA



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What are the component's key activities?

- Adding value from existing projects/activities
- Communication
- Identifying gaps and addressing these
- Integration of sectors activities into wider context and agricultural industry as a whole

What are the component's estimated capital and resource requirements?

- Funded by levy
 - Component approx. €150pa
 - Added cost/manpower of supporting duplication? Good will contribution

○ THANK YOU

