



BPEX Health initiatives – benefits for breeders and the industry

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Project Objectives

- Outputs
 - Clusters of producers
 - Producers decide their health improvement priorities
 - Web-based tools
- Outcomes
 - Whole chain collaboration to improve health
 - Structure to ensure on-going health improvement

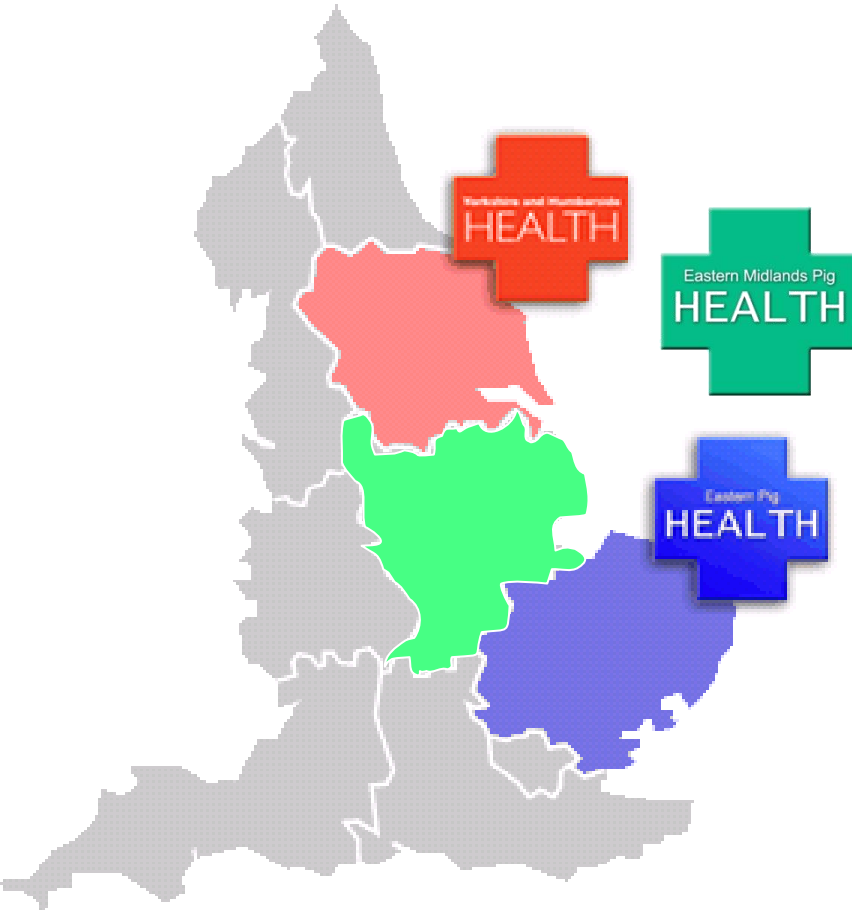
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Regional Pig Health Schemes

Yorkshire, Humberside, East Anglia, East Midlands



- **YHH** - 2009: Focus on disease control
- **EMPH** - 2011: Training (health and biosecurity)
- **EPH** - 2010: Biosecurity to improve health status



Regional Health Programmes

- No pig farmers, no pig industry
- The larger the disease free area
 - longer on average to breakdown
 - longer payback period on investment
- **Producer driven strategy**
 - Biosecurity
 - Sharing
 - Better diagnostics
 - Collaboration



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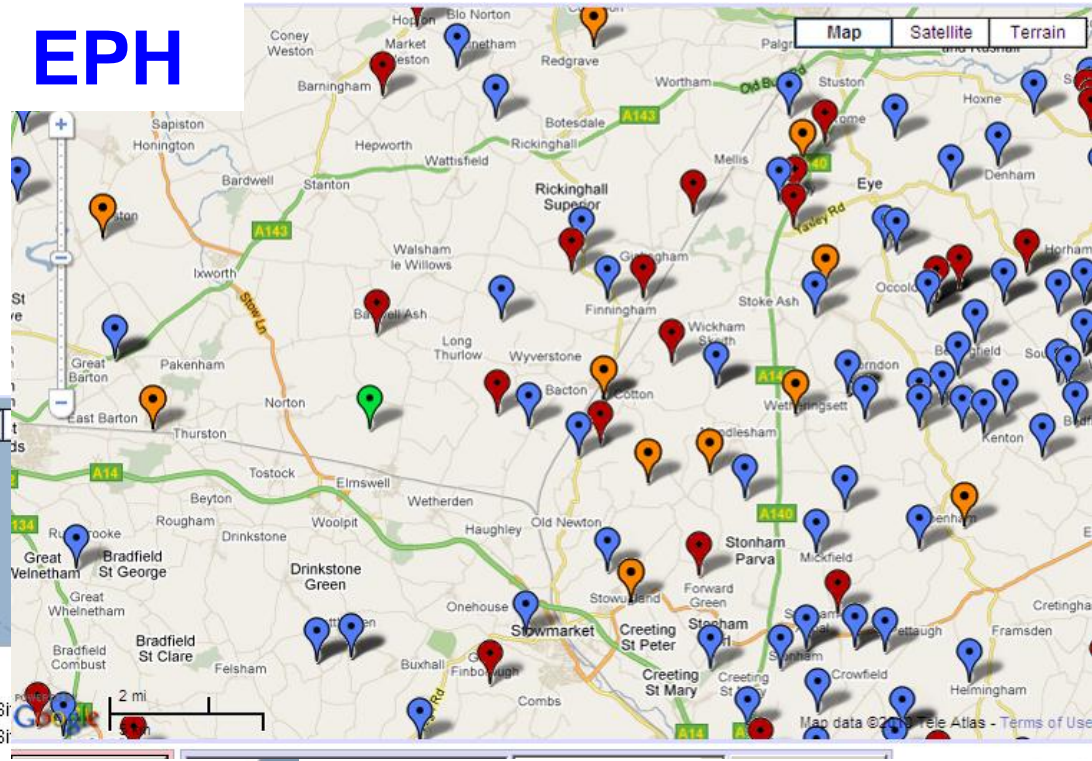




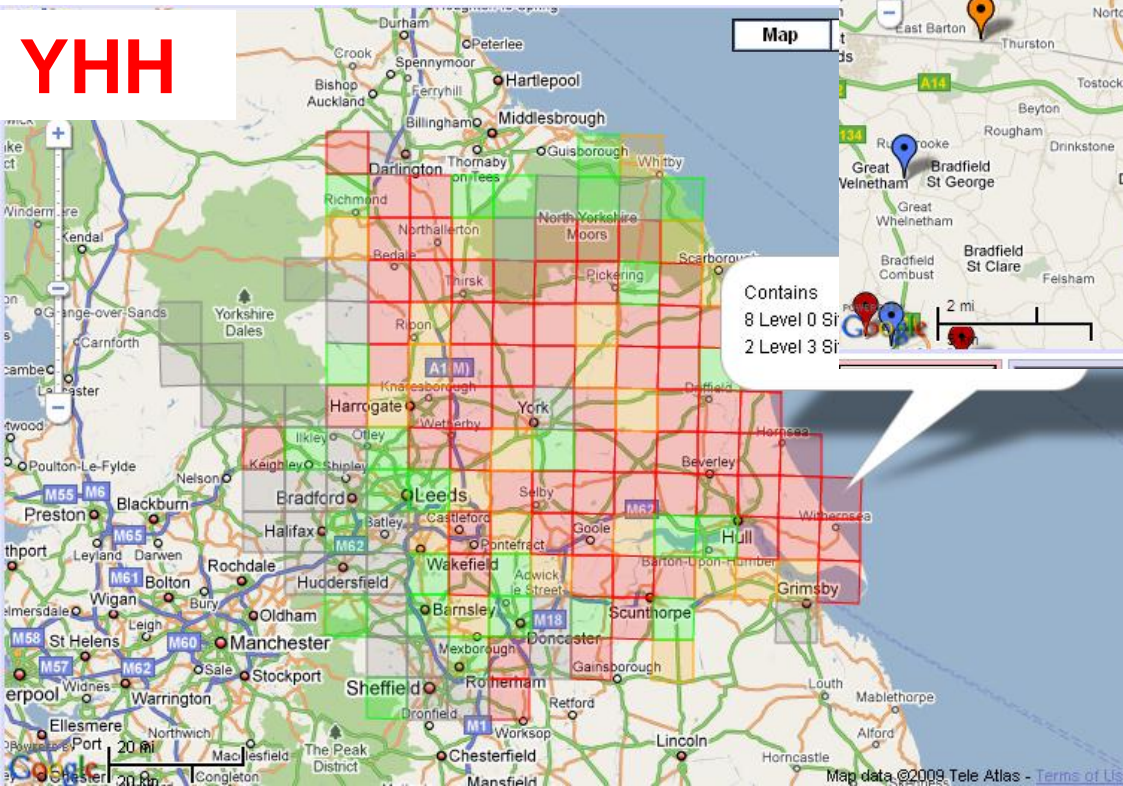
Producer Disclosure & Mapping

- Need producer permission to complete survey

EPH



YHH





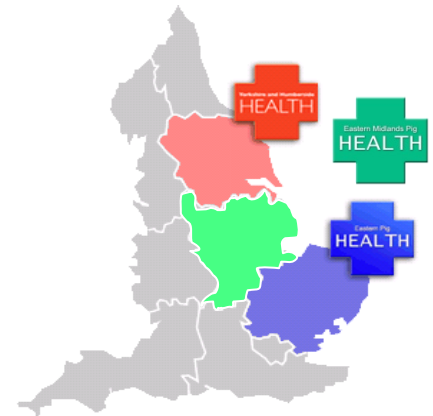
Central elements for success

<i>Element of success</i>	<i>The difficulty</i>
High biosecurity	Buy in of whole chain
Motivated farmers	Funding fluctuations
Collaboration of neighbours	Commitment, negative neighbours
Right procedure for the problem	Buy in from vets

Back in Yorkshire.....

Regional Steering groups

- **LOCAL!!!!!!**
- Local chair -farmer
- Local producers – integrated and farmer-owned
- Local supply chain (breed, feed, processors etc)
- Local veterinary surgeons



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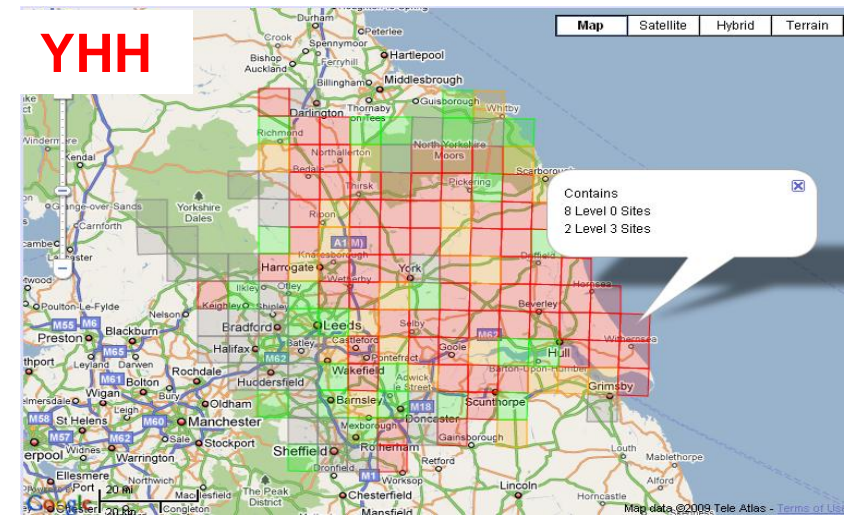
Splitting into local groups





Health district meetings and Regional Update

- Only Farmers & their vet
- Led by farmer who wanted to participate
- Updates, share ideas
- Maps and use of computer suite
- Form clusters – signup forms





Clusters

- Smaller groups of producers farming within 10 mile radius
- Meet to discuss biosecurity plans with vets and neighbours
- Agree to share full information about disease status
- Agree to submit joint application for funding



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All Stakeholders

- All supply chain partners essential to success
- Smallholders

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Vets

- Integral to success of the schemes – *trust*
- Meetings to encourage knowledge sharing and influence the sceptics
- Influential to producers
- Encouraged KT with mixed practice vets

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Breeding companies

Benefits

- Integral to success of the schemes
- Influential to producers
- Potential to be a real driving force
 - Have the experience, expertise & resources
- Sales

Risks

- Inability to supply
 - Model
 - Health status
- Collaborative mindset
- Resources



Trust

**Financial state
of industry**

**Responsibility
sharing**

Timescale

Leadership

The barriers

Confidentiality

**Funding
delays**

Apathy

**Regional
differences**

Apprehension

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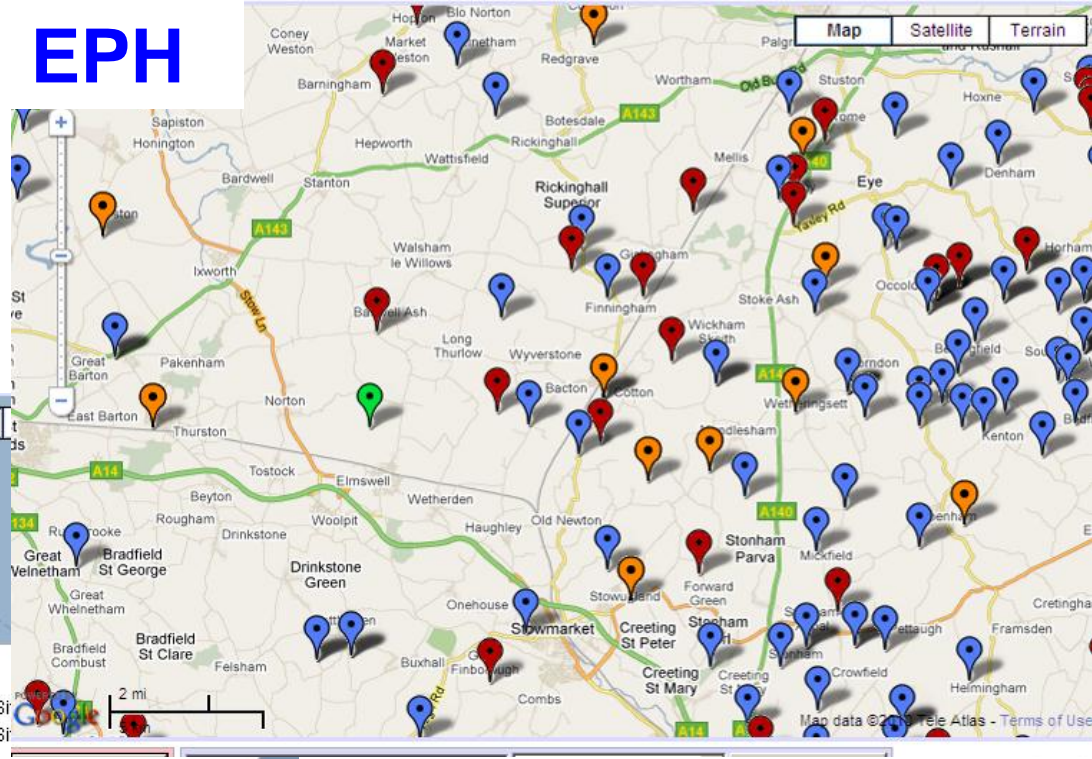




Producer Disclosure & Mapping

- Need producer permission to complete survey

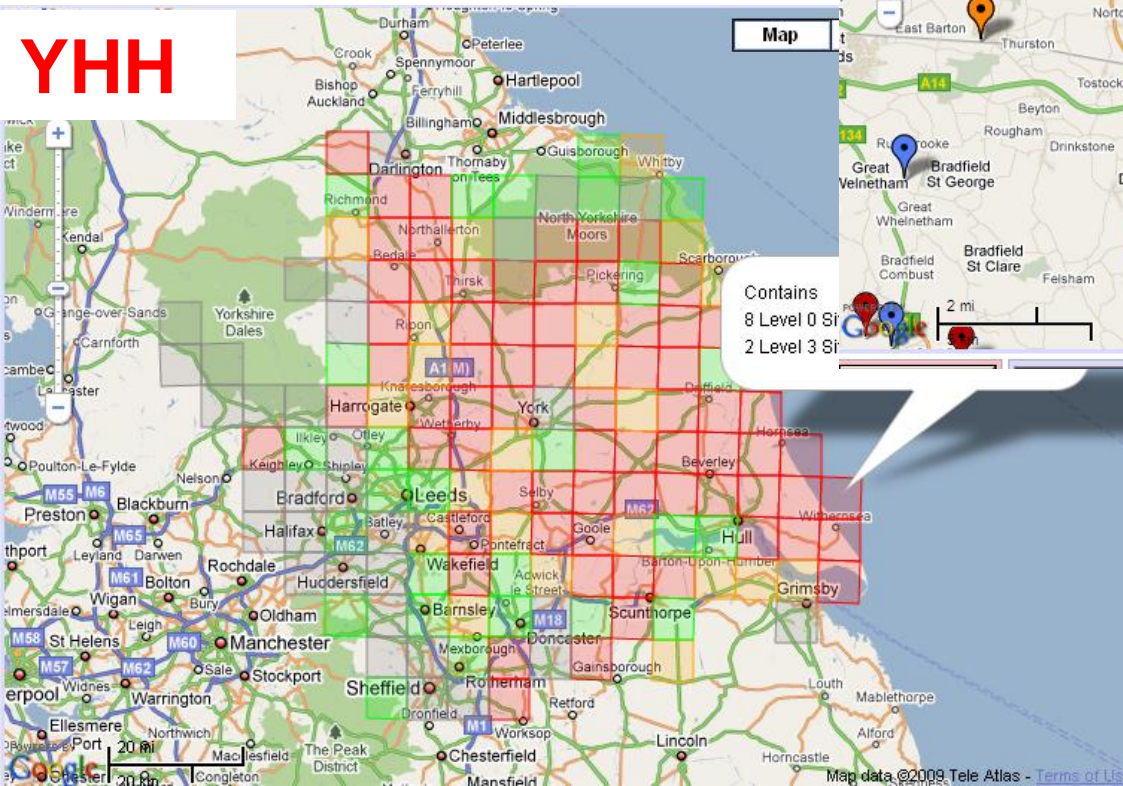
EPH



Map

Contains
8 Level 0 Sites
2 Level 3 Sites

YHH



Finisher .. Health What-If?


How it works

The purpose of this What-If? Calculator is to enable you to explore the value of changing Performance Levels on your unit related to Health Improvement. These are:

- Mortality
- Food Conversion Ratio
- Growth Rate

Use the Menu Bar across the top to navigate to different pages

Basic Concept

1. The calculator comes with a set of default values that are a reasonable approximation to current cost and performance. 
2. But anything in a Yellow Box can be altered by you (put your mouse over the box and scroll up or down to change values or you can double-click inside the box and type in a value) in order to match your unit more closely. You should put in your current performance here -- we call this the Baseline Data.
3. Then you can alter the sliders, using your mouse, to see the effect of changes. On the Baseline page, there are sliders for breeding performance. On the FCR/Growth page, there are sliders for FCR and Daily Gain; here you will also see the effect of such changes on Feed Intake.
4. Finally the Results tables show the effect of your changes as a Variance from the Baseline Data.

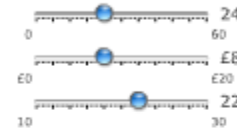


Worst Case .. Full Depop .. £/sow

Scenario

Health gain Lost output Gilt litters Contract Rearing Cost Benefit

Max payback period (months)	24
Health gain £/pig	£8
Pigs/sow/yr	22



Total Health Gain £/sow **£352**



Biosecurity audit

Trading Name:		
Farm:		
CPH Number:	Postcode:	OS Grid Ref:
ABP Number:		
Veterinary Surgeon:		
Review Date:		

Please ensure that all questions shaded green are completed

A. PIGS	Answers	Comments
A1	How many breeding pigs do you have on-site?	
A2	How many weaner-finisher pig places do you have on-site?	
A3	Have any pigs been brought on to the farm in the last 6 months? (answer yes if lorries ever arrive with other pigs on board) <input type="checkbox"/> yes <input type="checkbox"/> no	If no go to A9
A4	How many pigs were brought on to the farm in the last 6 months as a percentage of the herd size? <input type="checkbox"/> 0% <input type="checkbox"/> <5% <input type="checkbox"/> 5-49% <input type="checkbox"/> >50%	For breeding herds this will be the replacement rate; for rearing herds this will be the total no. of pigs brought on to the unit/total pig places x 100
A5	From how many sources were pigs brought on to the farm in the last 6 months? <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> >3	
A6	How many times were pigs brought on to the farm in the last 6 months? <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> >2	
A7	Was there a vet-to-vet discussion of the health status for all pigs sourced over the last 6 months? <input type="checkbox"/> yes <input type="checkbox"/> no	
A8	In the last 6 months did you keep all newly introduced pigs for at least 4 weeks in an isolation facility that is more than 300m from any other pig buildings and that is operated to minimise the risk of introducing disease eg protocols for staff, C&D, AIAQ, testing? <input type="checkbox"/> No isolation or AIAQ <input type="checkbox"/> Isolate but do not test <input type="checkbox"/> Isolate and test (or AIAQ by site)	
A9	From how many sources was AI purchased the last 3 months? (excludes semen collected on the farm) <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> >1	
A10	How many pig units are within 3 miles of your farm? <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> >2	If 0 go to A12
A11	How many pig units are within 1000m of your farm? <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> >2	
A12	Have feral pigs or wild boar been seen or reported within 3 miles of this site in the last 6 months? <input type="checkbox"/> yes <input type="checkbox"/> no	



Action plan - logistics

- Online planning tool for (multiple) de-populations
- *Date, information who to inform, when etc.*
 - *Vets and JSR*
 - *Needs someone to try it.*

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Biosecurity benefits for breeders from mapping

- Identification of units and areas with few units – density
- Vehicle movements – via GPS tracking
- People movements – mobile
- Link with eAML2

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Future benefits for breeders from mapping

- Platform for other development
- Incorporate info into evaluations:
 - Epidemiology
 - Incorporate weather
 - Has disease status
- Biosecurity scores
 - Risk assessment
 - How else should we use it?

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Thanks for keeping up!

www.pighealth.org.uk

Any questions?

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