Methane to Markets

The Kindersley Centre, Berkshire

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Anaerobic Opportunities at farm level Recycling Waste to Enhance Nutrition of Soils within a whole farm system

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The Challenge



- Fully sustainable, carbon neutral
- Whole 'farm' approach through the chain primary production, slaughter, processing, distribution, retailing
 Chiproduction & systems to IFOAM Stanic principle VC
 - Princadithomegith there is still time to order
 - Ecological principle Christmas turkey!)
 - Principle of fairness
 - Principle of care



Where are the opportunities?

If chickens are the most important enterprise, how do we address the challenges in that enterprise?



REED BED PURIFICATION SYSTEM

8000 BROODERS

ON FARM PROCESSING

CARP LAKE

Recycling of all waste litter from sheds

Existing site of shed

Litter is removed from field and composted and then used as fertility for crops Recycling of all nutrients with a barley crop (July 06)

> Darker green shows nutrient buildup

Nutrients are recycled to benefit of whole system





How can we improve once we get to Chicken Processing



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The Essential Sums

We believe the power generated will just about cover the power needed for Ohmic Heating.







Not just Bio-gas





Wind resource map















- The real opportunity lies not in power generation but waste disposal costs, in our system
- For Sheepdrove, anaerobic digestion will fit as part of the wider program including
 - reducing inputs
 - using resources more efficiently and effectively
 - generating power close to point of use

