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Peter Fidgett

Project Co-ordination Officer



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How did we start?

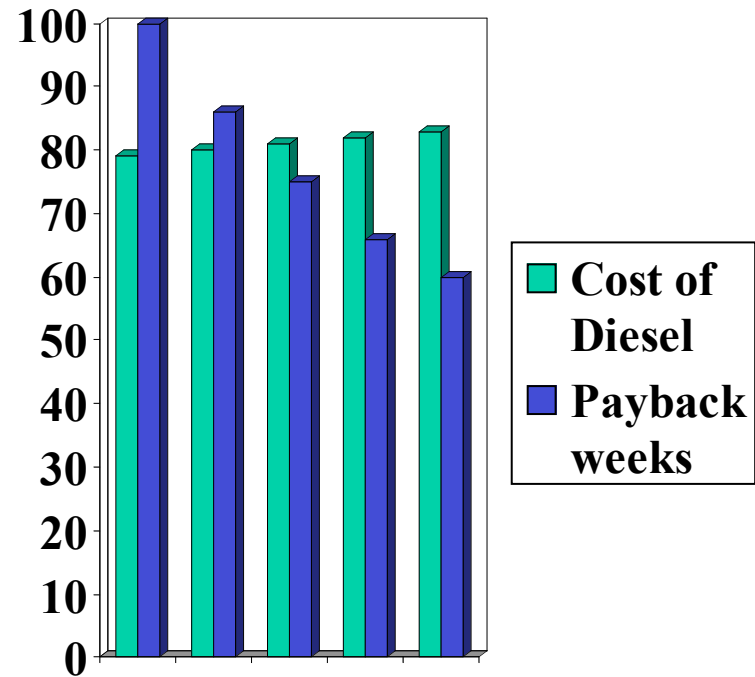
- Looking for options to save money
- Looking for quick wins
- Biofuel has a 'Green' factor
- Opportunity



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Financial Analysis

- Capital cost £6000
 - Includes processing, filter, accommodation and installation
- Cost per litre £0.73
 - Includes materials,
 - consumables, power, labour, waste disposal and tax





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Issues

- Health and safety
- Flexibility of job roles
- Logistics of managing Biodiesel use
- Manufactures Support
- Waste - SEPA



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Scaling up

- Up Increased viability
- Retain control locally of the whole process
- Farmer perspective - what are their motivators?
- Shift in normal farming practice



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Financial Basis

- New rather than used oil
 - Need to get at least the same value as the open market for Rape Seed
- Potential volume
 - 6000 Tons Rape - 2,000,000 litres of Biodiesel
- Potential Markets
 - Councils, Forestry Commission, local hauliers, bus company



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Issues

- International vegetable oil prices
- By Products of process
 - Crushed rape seed
 - Glycerine
 - Water
- Large scale competition
- Markets
- Fuel tax incentives



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What next?

- We have produced a batch of pellets from crushed rape for evaluation as biomass.
- Recent tax reduction on new oil without processing, potential conflict
- Revisit the business case



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Summary

- Current climate supports very large scale production or very small scale (garden shed)
- Focus of local raw material producers is on crop value not biodiesel manufacture
- It has to be economic, environment issue will not sustain it alone.