

Local Area Climate Change Network Focus on European Funding

Thursday 30th Sep 2010

Workshop

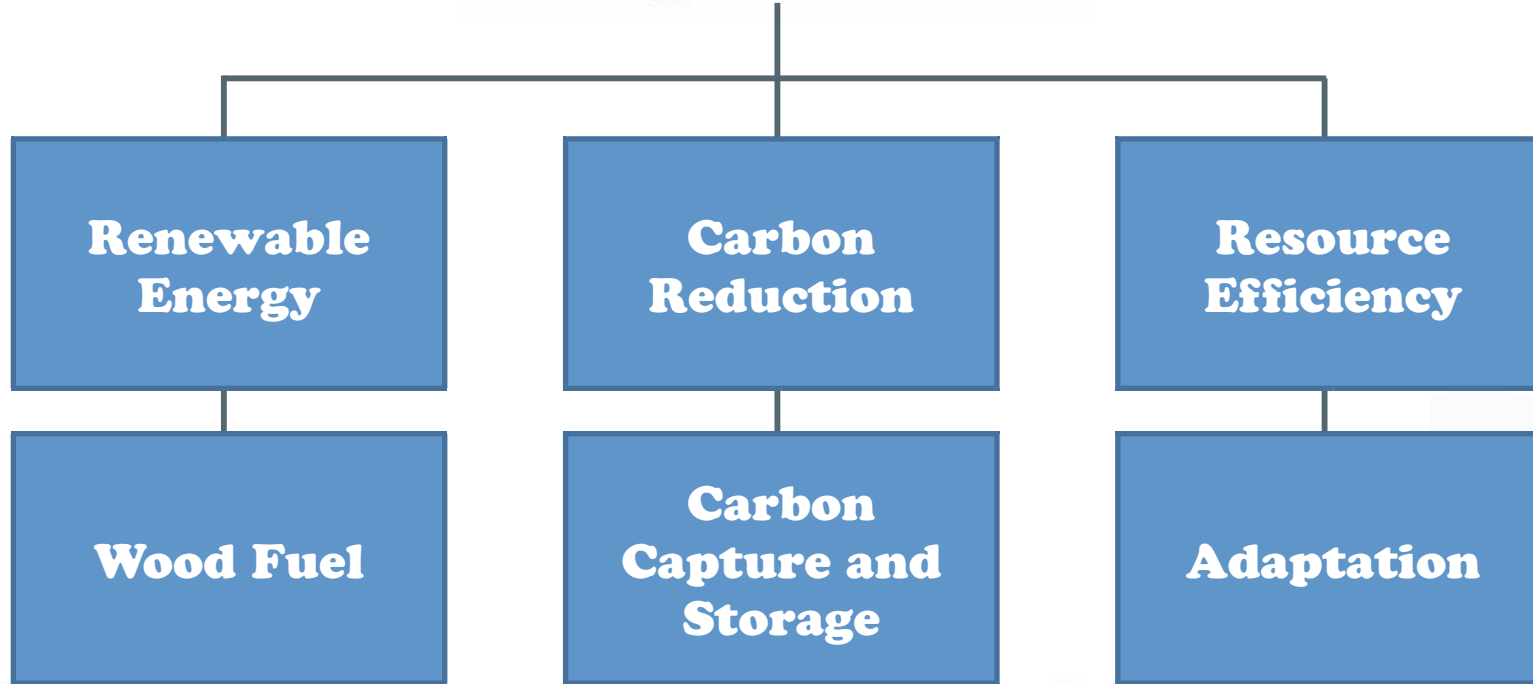
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Introduction

CO₂sense



CO₂Sense economic impact...

Private investment

+£28 million

CO₂ reductions

-885,000 tonnes

Business growth

+£18 million GVA

Private sector jobs

+250

*Given current approved budgets over three years

By 2030 Carbon Capture and Storage could support creation of 55,000 jobs and GVA of £1bn per year



Private sector alone not delivering

Significant market failures

- Lack of technical knowledge & market confidence
- Businesses lack resource and finance
 - Renewable energy projects can't get investment without planning and licensing
 - Financial markets rate environmental projects as high risk
 - SME's cannot access recycling
 - SME's cannot fund energy efficient capital equipment
- Need for a strategic partnership to develop CCS
 - Competitive forces focus on the short term
 - CCS needs a strategic plan and partnerships between major industry players



The opportunity is huge

- Environmental Technologies sector growth
 - Y&H 2005 £1.8bn, £2.1bn 2007 and £2.8bn 2016
 - Worldwide £3trn, rising to £4.3trn by 2015
- £553m savings available in Y&H from low- or no-cost resource efficiency actions
- Demand for renewables will increase sevenfold to achieve UK target of 15% energy – Private sector investment £2.2bn electricity by 2020
- CCS engineering and pipeline could support £1bn GVA per year and 55,000 jobs by 2030, the skills and technology developed will lead in a global market



EMS Support



Business Support

70 small businesses supported to adopt EMS in 2009/10

First 15 report:

£110,000 cost savings

**£2.8m sales increase
11,250 tonnes waste diverted**

13,650 tonnes of raw materials saved.



co₂sense

“The support has made time and expertise available, we’re now on our way, saving money and going green”

Settle Hydro



Renewable Energy

Community owned and run hydro electricity plant using a “Archimedes Screw”

£50,000 investment from CO2Sense

800 tonnes of CO₂ saved

£110,000 raised from a local share issue

Profits for the next 25 years invested into local regeneration projects



“Settle Hydro is producing enough electricity to power the equivalent of 50 homes every year.”

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Sheffield City Council Woodfuel Supply



Woodfuel Supply

Woodchip fuel delivery trailers & forestry crane.

£40,000 investment from CO2Sense

3,700 tonne increase in woodchip supply

2,150 tonnes of CO₂ saved

Improved efficiency of woodfuel production

Improved delivery capacity and capability

“The new equipment funded by CO2Sense has enhanced our ability to deliver woodfuel to customers”



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GWE Biogas



Renewable Energy

2MW Anaerobic Digestion facility, processing 50,000t of food waste per year.

£750,000 investment from CO2Sense

Saving 47,700 tonnes of CO₂

Innovative de-packaging technology to maximise the waste products that the facility can process



“The support and funding from CO2Sense has attracted investors and enabled our project to come to market”

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CO₂Sense and EU funding...

- Large ERDF Resource Efficiency programme
 - £9.8m in total
 - £3.5m ERDF
- Preparing Renewables and Woodfuel support bid – revised ERDF programme
- FP7 Research project partner - Recycling and EfW technologies across EU
- “Ecolnnovation” bid submitted for innovative waste re-use programme with London Waste board
- Looked at “IE” and “Pro-Inno” but no projects currently



CO₂Sense and EU funding...

Benefits

- Additional funding
- Strategic framework
- Best Practise
 - EU, UK and Y&H
- Partnerships

Challenges

- Working capital
- Risk
 - Regulation/Guidance
 - Outputs and Evidence
- Contractor responsibilities
- Admin resource
 - Finances
 - Evidence and Audit
- Extended application processes



Conclusions

- **Critical in accessing future funding for environmental business support**
- **Challenging but gets better with experience – start small?**
- **We would like to do more in partnership with LA's, LEP's etc**
- **Revised ERDF programme is a good opportunity**
- **Business structures to manage working capital and risk**



Workshop

Group discussion 1 - Looking Back

10 mins

What past EU funded projects/programmes have you run?

(3 to 5 examples per group)

What were the key successes/challenges?

(3 to 5 points per group)

Group discussion 2 - Looking Forward

10 mins

What EU funded projects do you have planned or see as priority opportunities for the future?

(3 to 5 examples per group)

What support would you value?

(3 ideas per group per question)

Feedback

Each group nominates someone to present back using flip charts

5 mins **max** each



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Thanks and close

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