

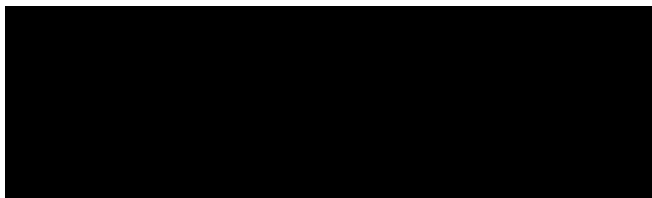
# ECO2 Transport

November 2010

Delivering greenhouse gas emission savings  
through sustainable biofuels

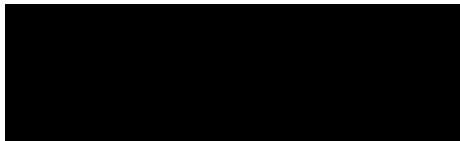
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**Patrick Lynch**  
Biofuels Sustainability Manager, Greenergy



# Greenenergy Introduction

- One of the largest petrol and diesel suppliers in Britain.
- Supply a fifth of all road fuels.
- Customers include oil companies, supermarkets, haulage and logistic operators.
- Biofuel is used in all our fuel to meet legislative requirements and provide real carbon savings.
- Supplying 5.5% of our total fuels as biofuels saved 1.4 Million tonnes CO2 equivalent to the annual emissions of 500,000 cars in the UK.



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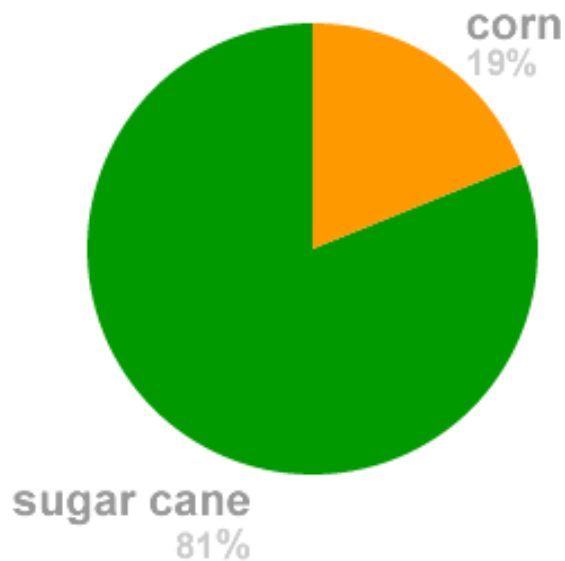
# Biofuel supplied

15<sup>th</sup> April –  
14<sup>th</sup>  
September  
2010

Greenergy chooses  
biofuels from the most  
sustainable feedstocks

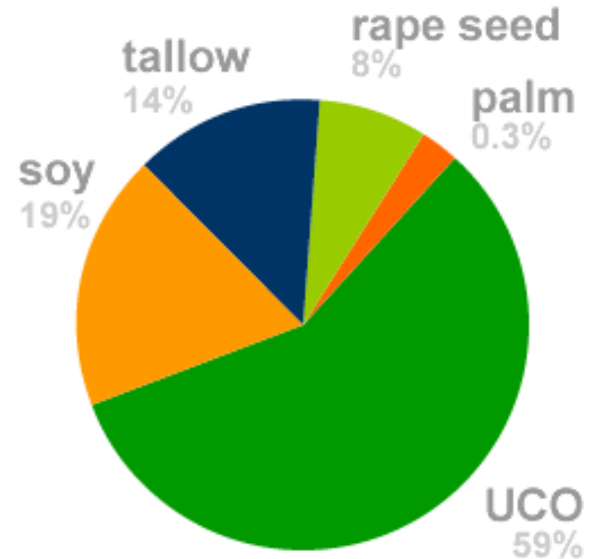
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## Bioethanol



GHG saving from sugarcane – 71%

## Biodiesel



GHG saving from Used Cooking Oil – 83%



## Greenergy sustainability targets

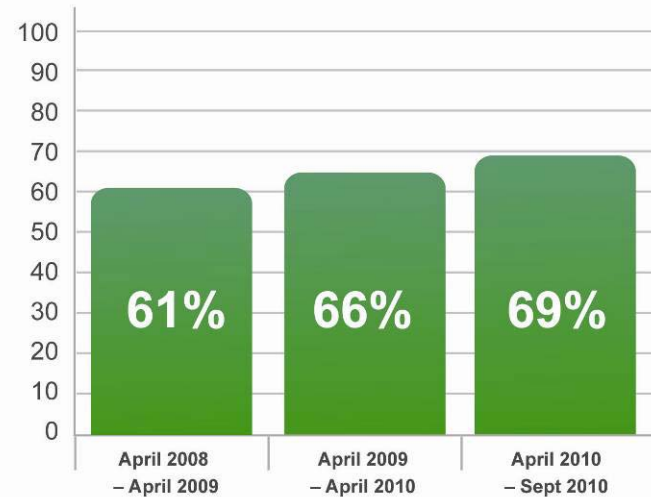
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# 70%

carbon savings

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Carbon savings from the use of Greenergy biofuel



## Greenergy sustainability targets

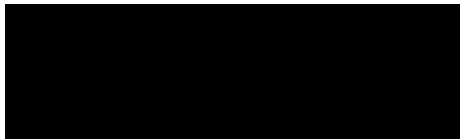
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# 100%

sustainability on  
higher risk biofuels

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High risk feedstock with evidence of sustainability



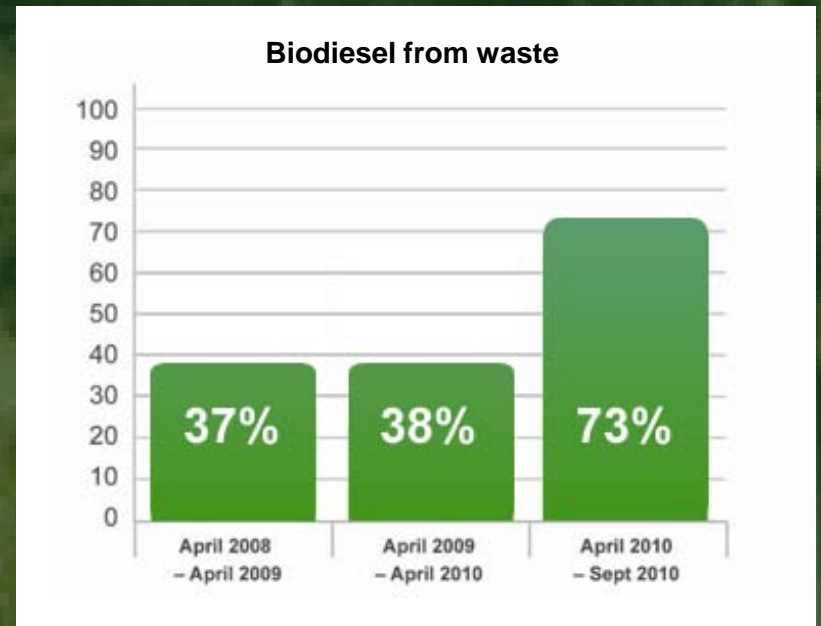
## Greenergy sustainability targets

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# 100%

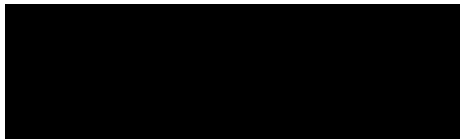
## Biodiesel from waste

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# Addressing sustainability risks in our supply chain

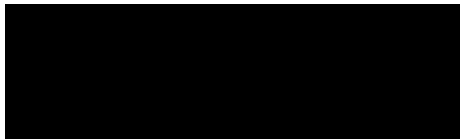
- We seek to understand and recognise risks associated with biofuel supply chains.
- We do this by:
  - Calculating lifecycle greenhouse gas emissions
  - Land use studies – historic trends, statistics, maps and satellite data
  - Using sustainability standards
- Risk from biofuels varies according to crop, geography, ecosystem and producer.
- Global biodiversity and Carbon would be conserved if all buyers of agri products had similar standards.





## Greenergy has worked with suppliers to gather information about carbon used in biofuel production

- Suppliers are preferentially chosen on sustainability criteria and potential greenhouse gas savings.
- Greenergy “Gold Standard” Brazilian Sugarcane Programme:
  - Pioneering Brazilian Sugarcane standards
  - Enforces/ Incentivises EU environmental and social criteria and Brazilian law
  - Developed & reviewed by third party verification bodies
  - All 12 mills audited this year passed Environmental and Social criteria
  - Support programme ensures continuous improvement and commitment
  - Gold Standard filters through to sugar production

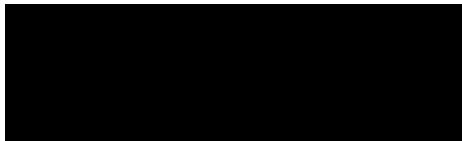




“

If everybody buys  
good, nobody buys  
bad

”

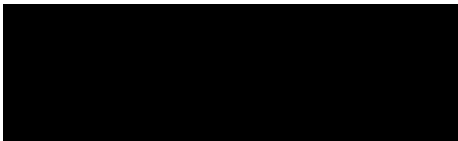




# BioCarbon Tracker

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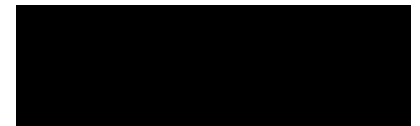
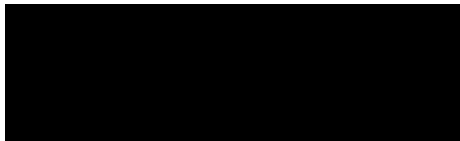
Take a closer look





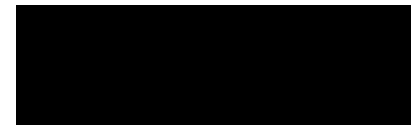
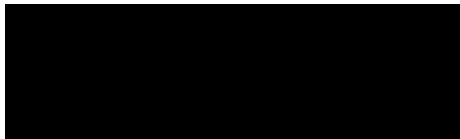
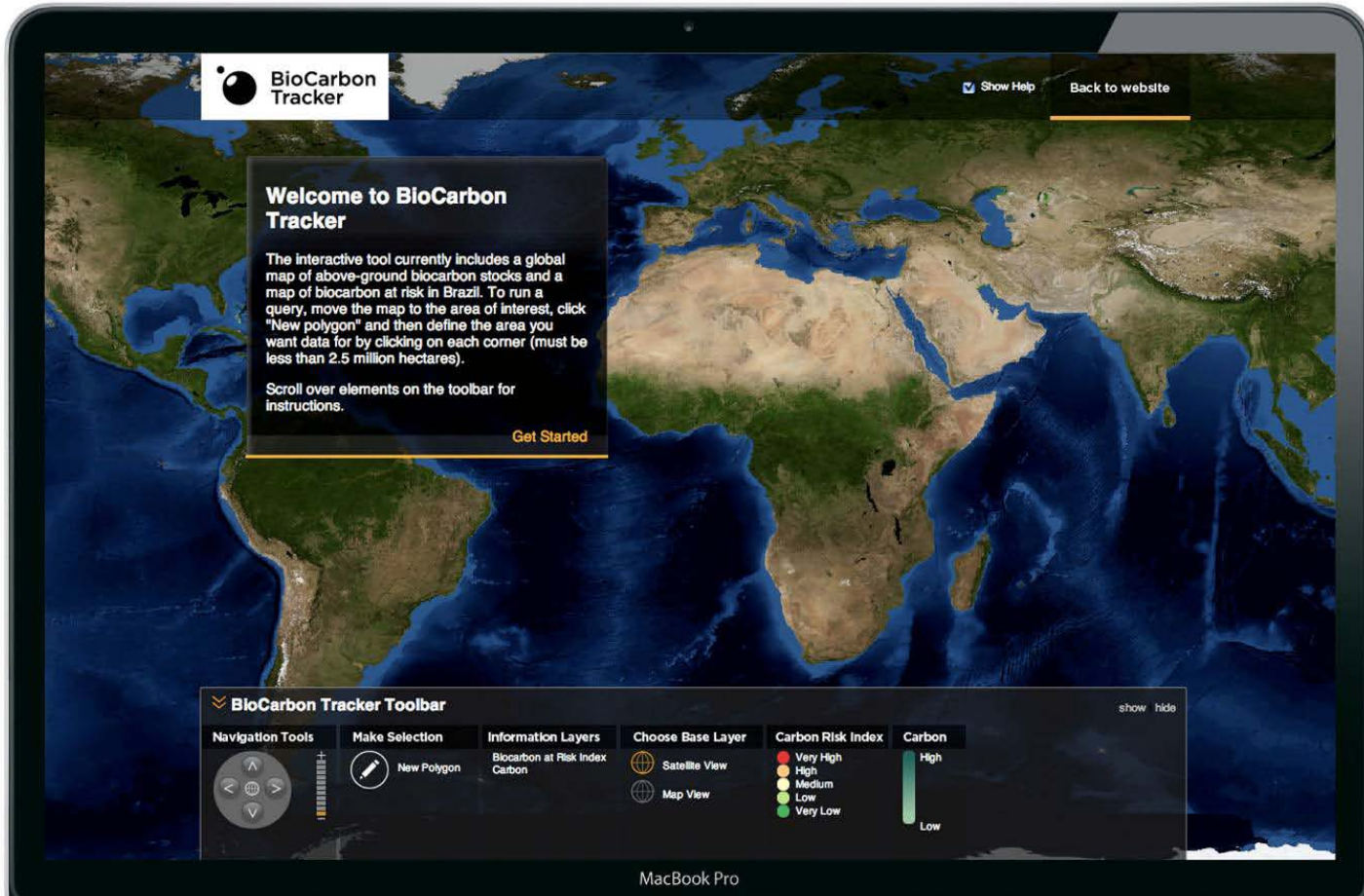
# BioCarbon Tracker

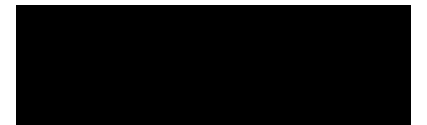
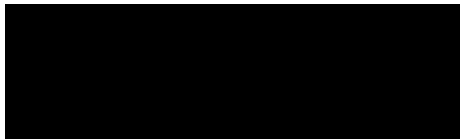
- Maps global biocarbon and monitors deforestation using satellites in real time.
- Gives an understanding of biocarbon at risk.
- Assists with risk based sustainability decisions.
- Provides supply chain transparency.
- Enables positive engagement with consumers, academics and interested parties.





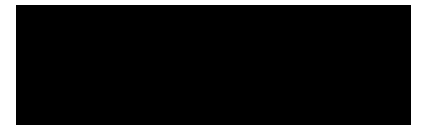
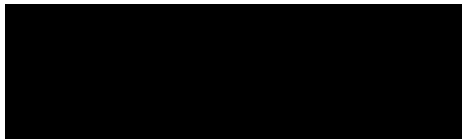
# The BioCarbon Tracker





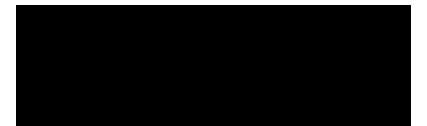
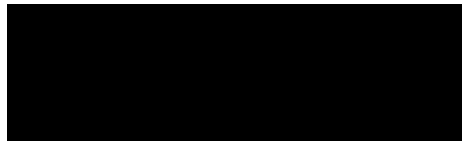
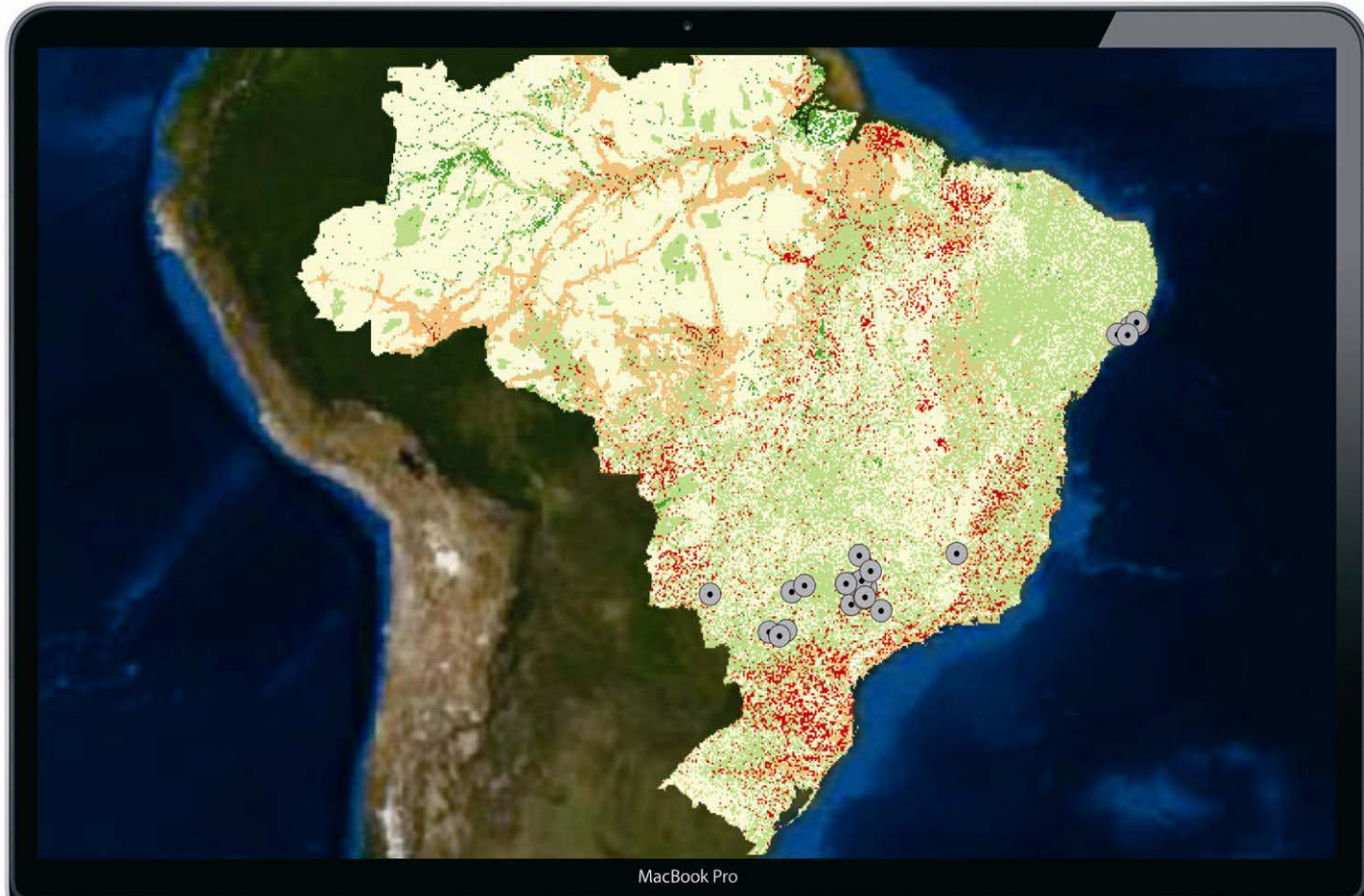


MacBook Pro



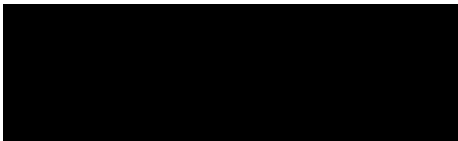


# BioCarbon at risk map



# In Summary

- We think there is no “Plan B” to biofuels. The planet needs more energy to remain viable, to feed and sustain itself.
- We seek to understand biofuel sustainability risks.
- We work with suppliers to identify the most efficient use of energy, land and carbon.
- We set challenging numeric performance improvement targets.
- We are feedstock flexible.
- We choose biofuels from the world’s most sustainable feedstocks.



# Thank you

For more info please visit :  
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