

Rush for Resources

Ethics of building a bio-based economy

Discussion meeting on the implications of the
Nuffield Report
'Biofuels: Ethical Issues'

Introduction

Who are InCrops?

Why are we organising this event?

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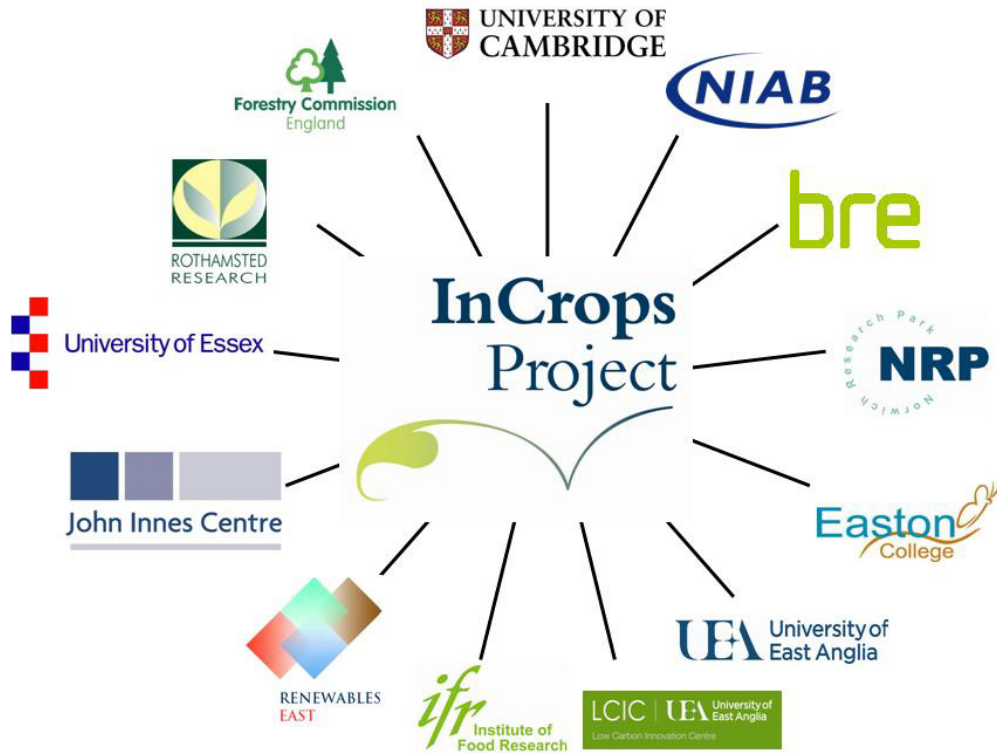
Business Innovation Manager, Leader on Biorefining
InCrops Enterprise Hub

What is the InCrops Enterprise Hub?

- Initiative to promote low carbon solutions based on alternative crops
- Focus on East of England (funded by EEDA / ERDF)
- Partnership between Research Institutes in East of England



Partnership at the core



In order to maximise impact, InCrops draws upon the expertise of 13 world-class research partners based in the region

What do we offer?

- Up to **14h FREE business support** for SMEs in the East of England (until 2013; ERDF / EEDA funding)
- Sister company NeueAg can offer support on a commercial basis
- Foster links between academics and businesses to **lever research base** and accelerate innovation
- Commercialisation and uptake of new **low-carbon products and processes**, replacing fossil resources

Promoting Innovation

- Support **entrepreneurs**
- Develop **supply chains**
- Provide **international** context and connections
- Facilitate access to **finance** or investment
- Promote better understanding and use of **life cycle analysis**



Support through:

- Introduction to academics and businesses
- Access to specialist equipment
- Help with funding applications: eg CASE studentships, KEEP/KTP, TSB, LINK, FP7, INTERREG
- Scientific reports
- Market studies
- Sourcing samples
- Links with testing and certification organisations
- Carbon Footprinting (partnership with LCIC)



Woad pigment
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Main Sectors

- Bioenergy / biorefining
- Biopolymers / bioplastics
- Oleochemical substitutes
- New green consumer markets
- Algal Technologies
- Automotive
- Built Environment
- Personal care products
- Functional foods / nutraceuticals / biopharma



Linseed oil
paints – ©
Holkham



Vegetable resin -
© Cambridge
Biopolymers

Track Record



Winners of the Creating Futures award 2010, Low Carbon Innovation category

Over 220 SMEs and larger businesses supported since 2008

Why this event?

We need to move from fossil to bio-based resources but in a sustainable, responsible fashion

- Many issues are only emerging now
- Biofuels are a high-profile case, and trailblazer
- The findings of the Nuffield Report are transferrable to other bio-derived products

What does this mean for the development of a general bio-based economy?



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Discussion