



Reporting of biofuel sustainability in the UK

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Biofuels in the UK – volume mandate, the 'RTFO'

- **An obligation placed on suppliers of fossil fuels**
- **2.5% in first year, rising to 5% by 2014**
- **Obligation at 'duty point'**
- **Tradable certificates**
- **Country and feedstock neutral**

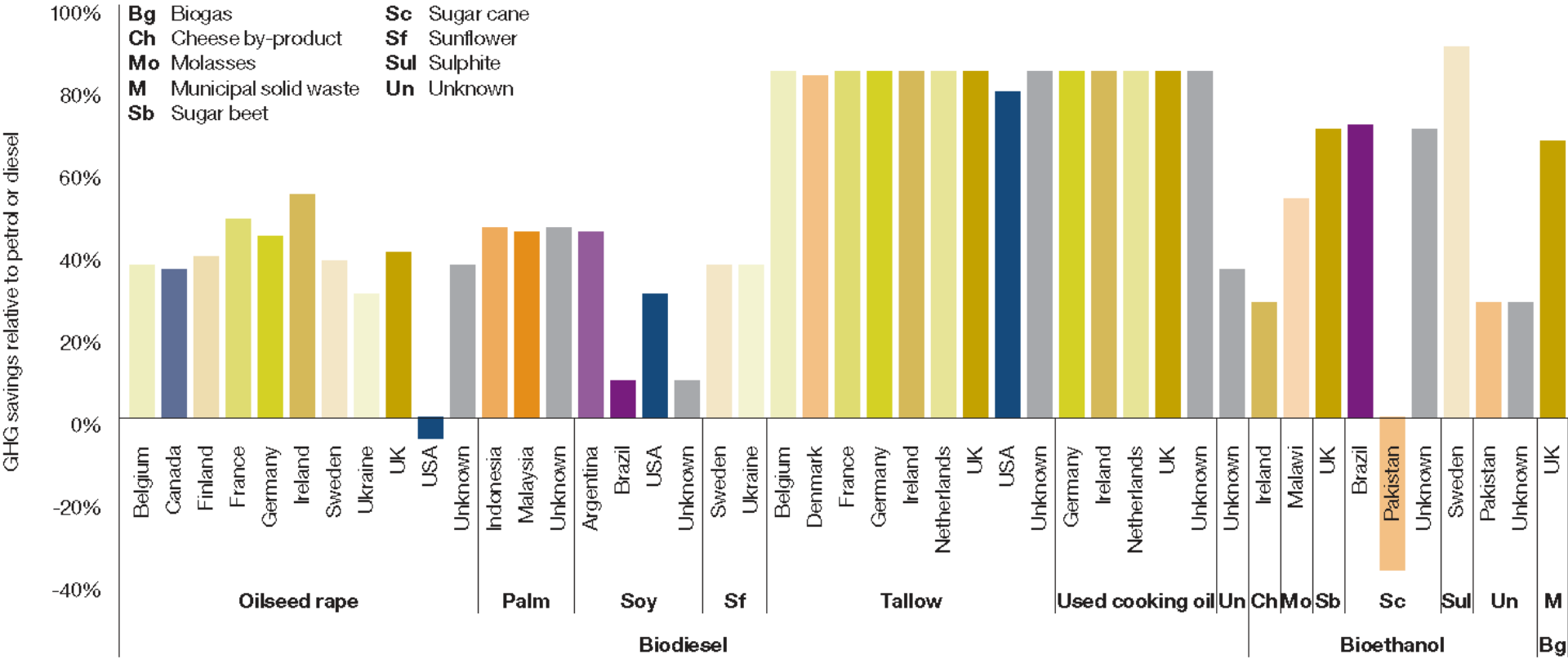


Renewable Energy Directive – ‘The RED’.

- Target 10% by energy by 2020
- Mandatory sustainability standards
- UK will have to adapt
- Details to be clarified
- UK in the vanguard



Why Biofuels?





**TELL THE GOVERNMENT
TO CHOOSE THE RIGHT
BIOFUEL**

**OR THE
ORANG-UTAN
GETS IT**

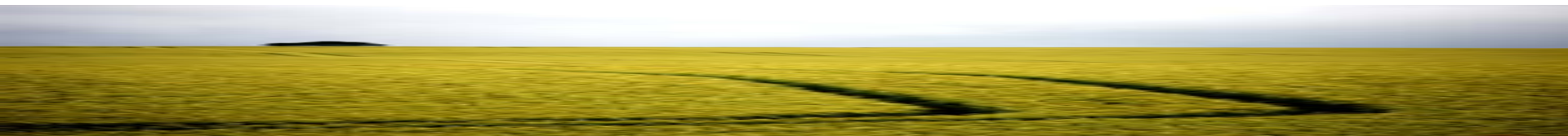


Renewable
Fuels Agency



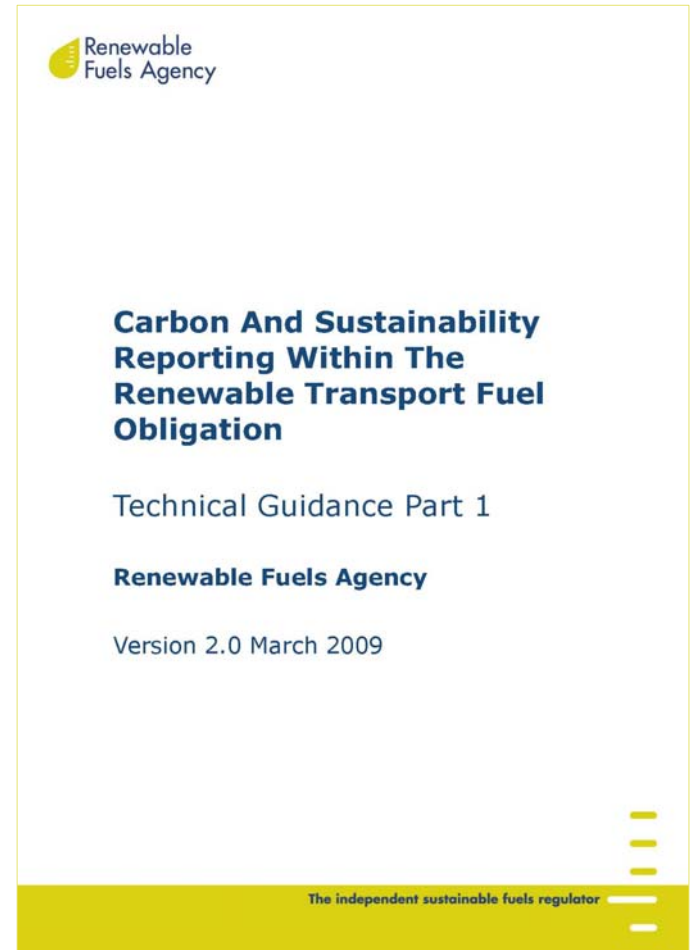
1st year of the RTFO

- **2.6% biofuel by volume**
- **18+ countries**
- **12+ feedstocks**
- **8% domestically produced**
- **47% GHG reduction**
- **24% meeting a qualifying environmental standard**

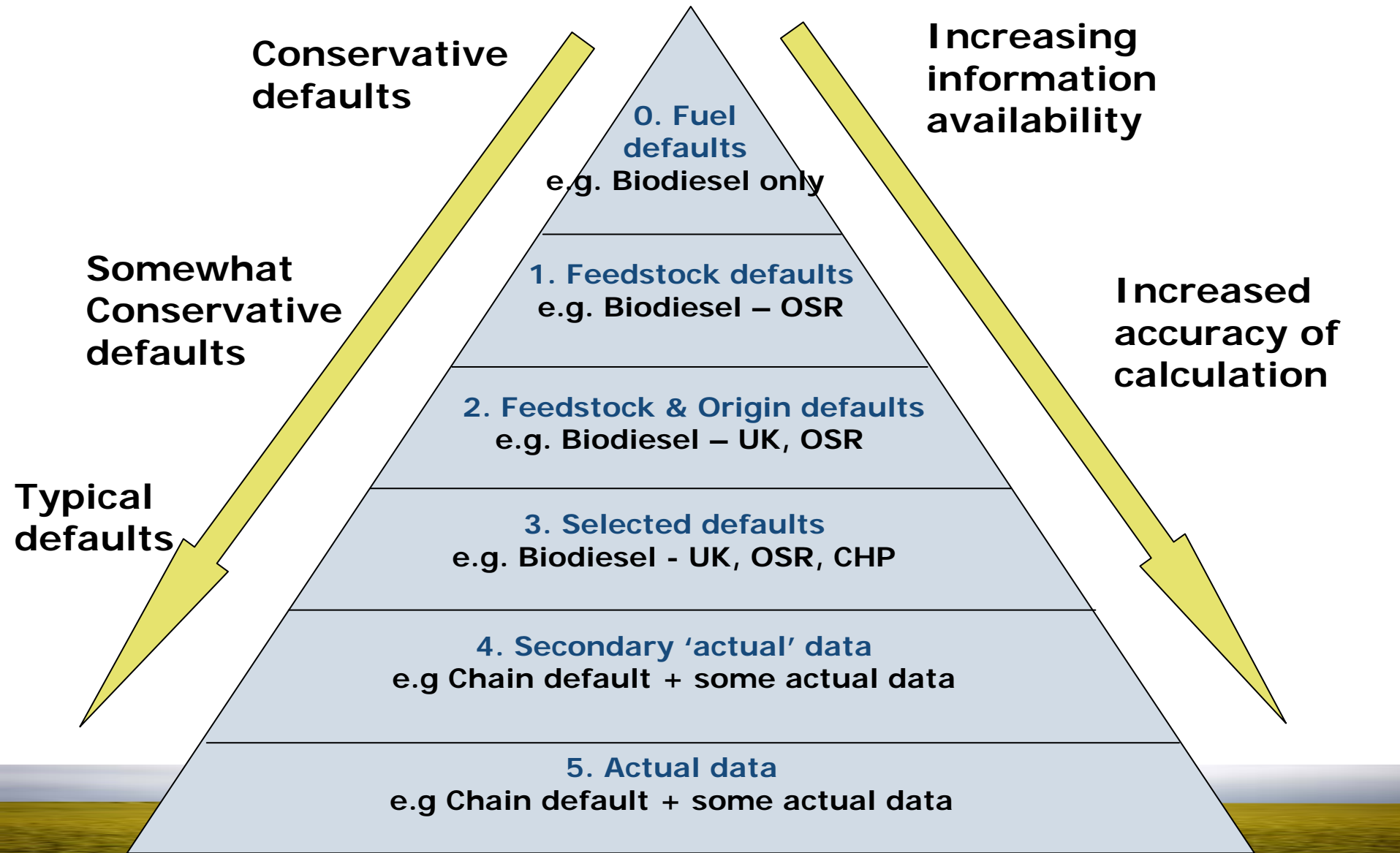


Carbon and sustainability reporting

- Designed to encourage supply of the 'right' biofuels
- RFA C&S Meta-Standard designed through multi-stakeholder process
- Reporting as stepping stone to mandatory standards and carbon incentivisation



Carbon reporting using default values



The RTFO Meta-Standard

	Principle	RSPO	RTRS	ACCS	EUREP GAP IFA	SAI	IFOAM	Pro-terra
Environmental	Conservation of Carbon	Qualifying standards			Not qualifying standards	Not qualifying standards		
	Conservation of Biodiversity				Not qualifying standards	Not qualifying standards		
	Soil conservation				Not qualifying standards	Not qualifying standards		
	Sustainable water use				Not qualifying standards	Not qualifying standards		
	Air quality				Not qualifying standards	Not qualifying standards		
Social	Workers rights	Qualifying standards		Not qualifying standards	Not qualifying standards	Not qualifying standards		
	Land rights			Not qualifying standards	Not qualifying standards	Not qualifying standards		

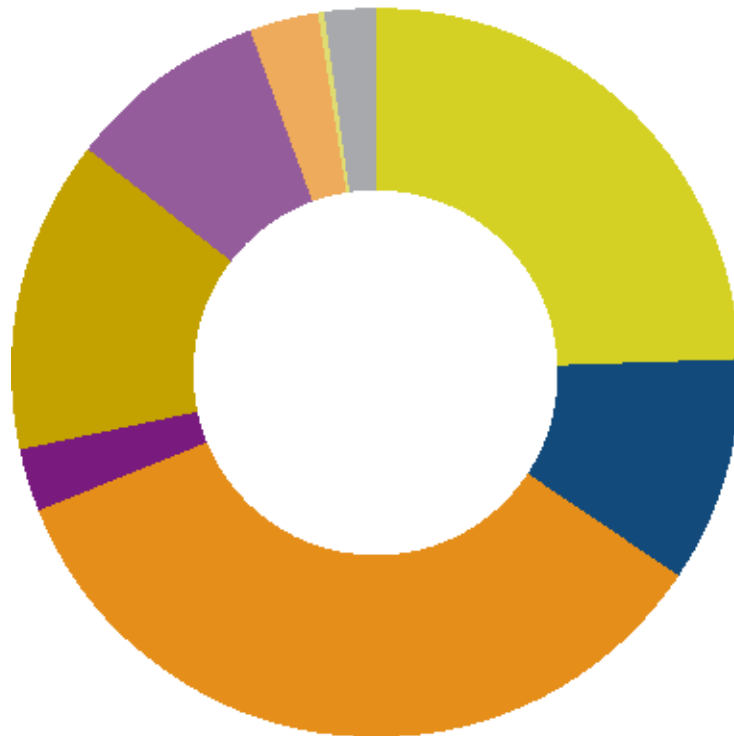
Benchmark against RED

	ACCS	FSC	Genesis	LEAF	RSPO	RTRS (draft)	SAN/RA
Reference date (biodiversity)	Yellow	Yellow	Yellow	Red	Yellow	Red	Yellow
Primary forest	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Nature protection	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Ecosystem protection	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Natural grassland	Yellow	Orange	Yellow	Yellow	Yellow	Yellow	Yellow
Species rich non-natural grassland	Yellow	Orange	Yellow	Yellow	Yellow	Yellow	Yellow
Reference date (carbon)	Yellow	Yellow	Yellow	Red	Yellow	Red	Yellow
Wetlands	Orange	Red	Orange	Orange	Orange	Orange	Orange
Continuous forest	Orange	Yellow	Orange	Orange	Orange	Orange	Orange
10-30% canopy forest	Orange	Yellow	Orange	Orange	Orange	Orange	Orange
Reference date peatland	Yellow	Red	Yellow	Red	Yellow	Red	Yellow
Peatland	Orange	Red	Orange	Yellow	Orange	Orange	Orange

Targets for C&S reporting

Annual supplier target	2008- 2009	2009- 2010	2010- 2011
Percentage of feedstock meeting a qualifying environmental standard	30%	50%	80%
Annual GHG saving of fuel supplied	40%	45%	50%
Data reporting of renewable fuel characteristics	50%	70%	90%

Origin by feedstock

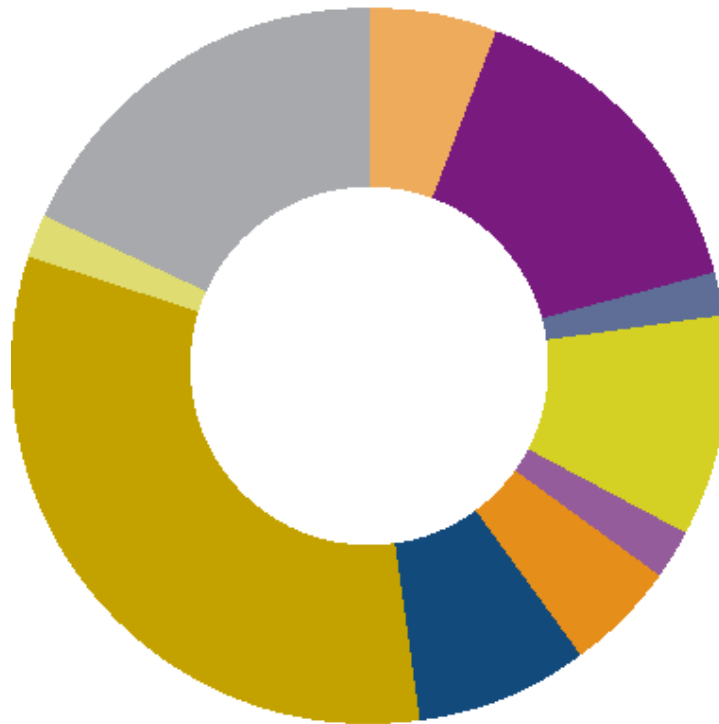


- Oilseed rape **307m** | **25%**
- Palm **123m** | **10%**
- Soy **430m** | **35%**
- Sugar beet **37m** | **3%**
- Sugar cane **180m** | **14%**
- Tallow **114m** | **9%**
- UCO **37m** | **3%**
- Other **5m** | **<1%**
- Unknown **17m** | **1%**

Data on chart ordered alphabetically clockwise from top

'Other' includes cheese by-product, municipal solid waste, molasses, sulphite and sunflower

Origin by country

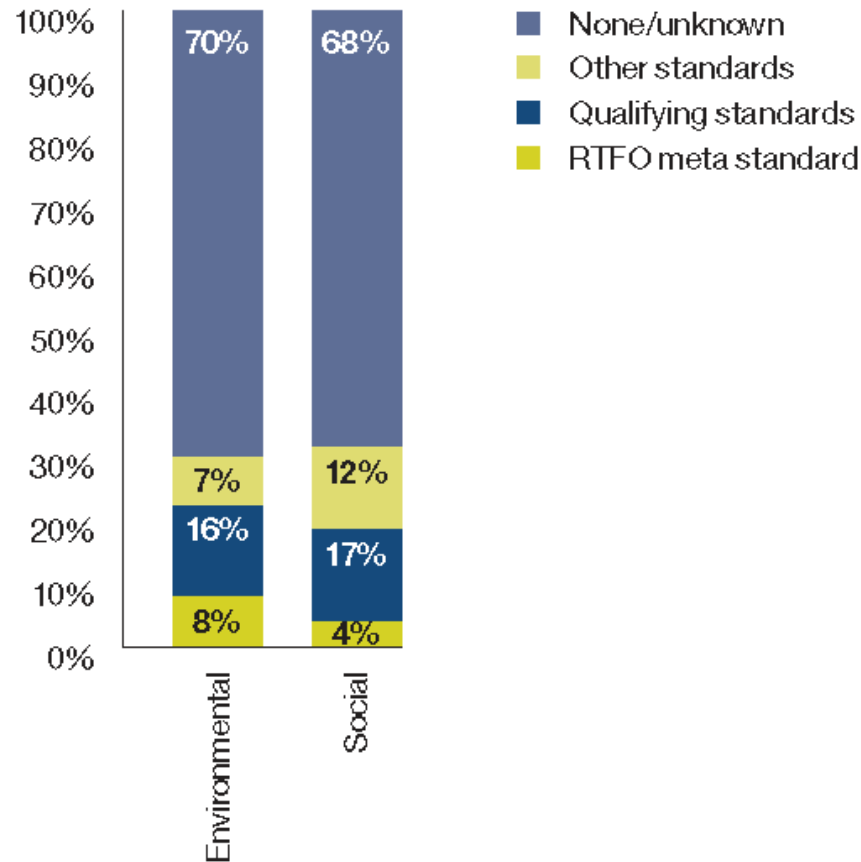


- Argentina 78m | 6%
- Brazil 186m | 15%
- Canada 24m | 2%
- Germany 131m | 10%
- Indonesia 27m | 2%
- Malaysia 64m | 5%
- UK 103m | 8%
- USA 391m | 32%
- Other 30m | 2%
- Unknown 217m | 18%

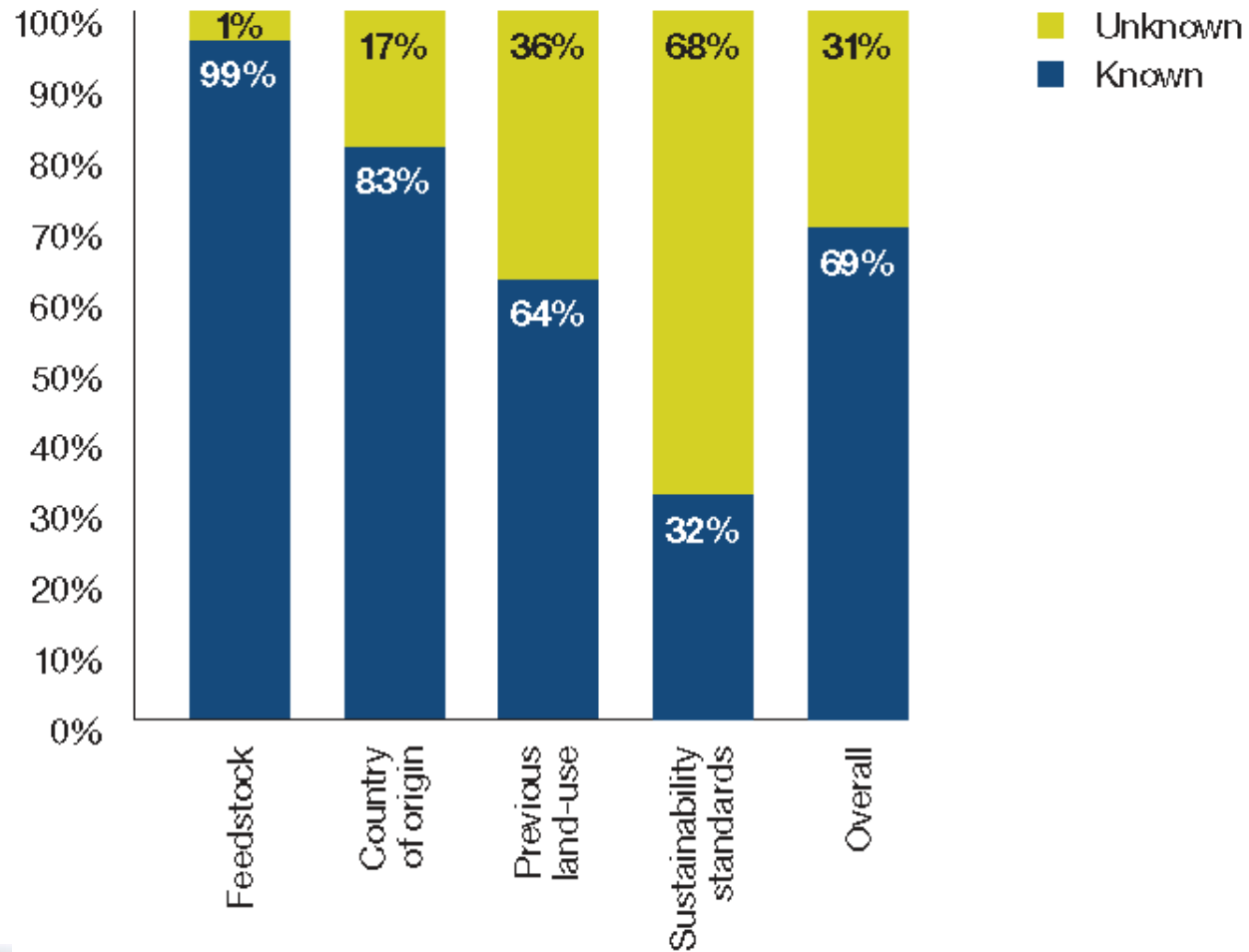
Data on chart ordered alphabetically clockwise from top

'Other' includes Belgium, Denmark, Finland, France, Ireland, Malawi, Netherlands, Pakistan, Sweden and Ukraine

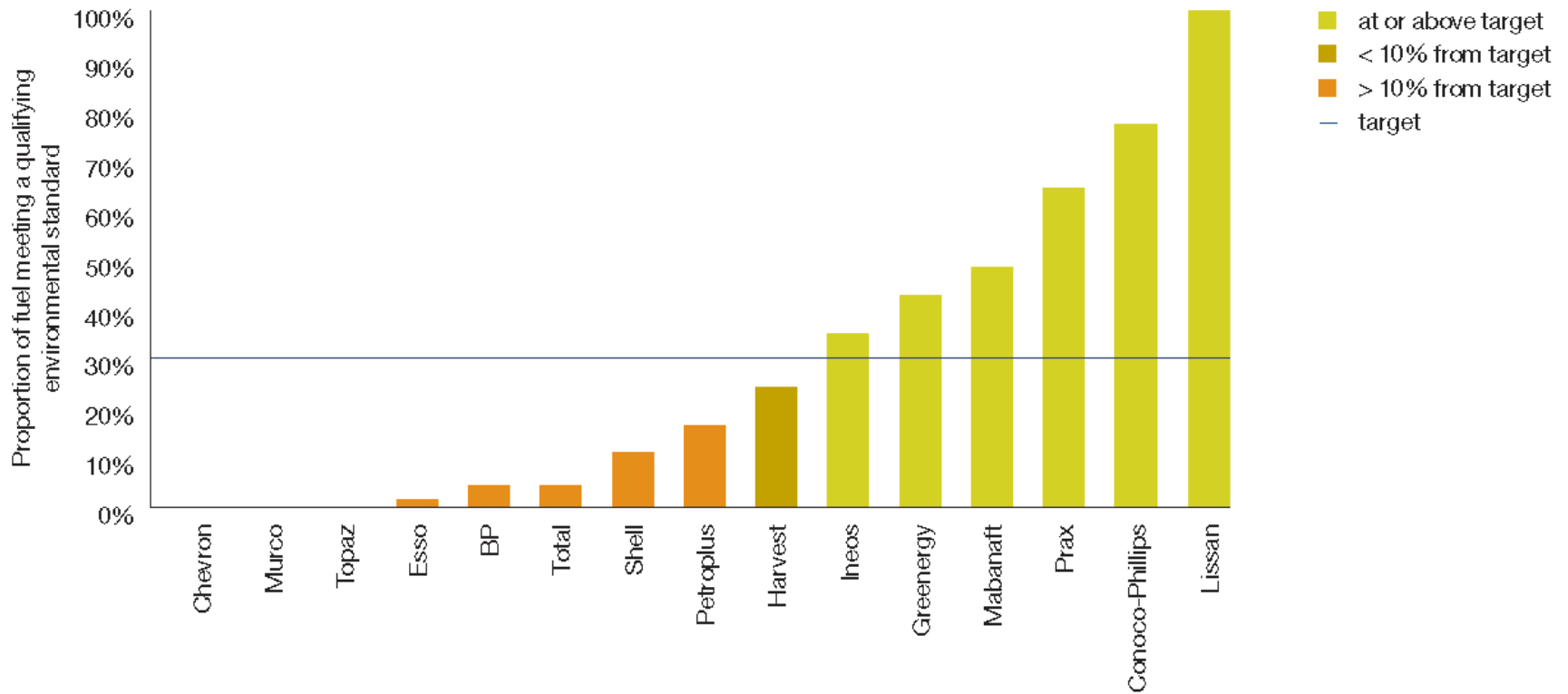
Sustainability standards?



Data reporting

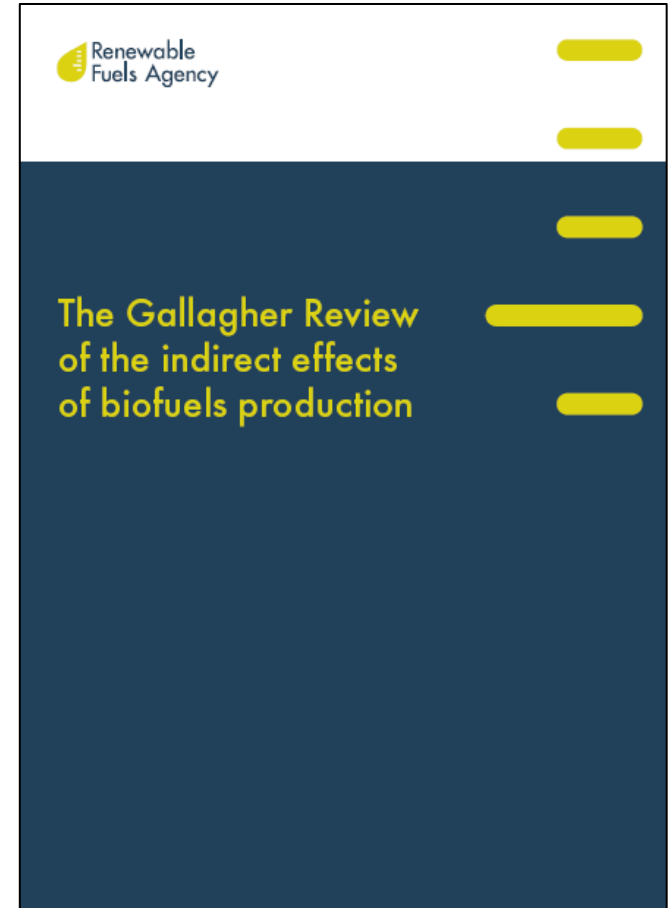


Sustainability... by company



Indirect effects

- **Biofuel demand will drive indirect land use change and push up food prices**
- **Indirect land use change could wipe out carbon savings**
- **Can we address indirect effects?**



Avoiding indirect effects


– case studies

1. Oil palm cultivation on Imperata grassland in Indonesia
2. Sugarcane cattle integration model in Brazil
3. Soy cattle integration in Brazil
4. Sugarcane yield increases in the Philippines
5. Smallholder yield increases in Liberia
6. Case study of a feedstock-region-level approach to EU wheat





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Issue No. 4 November 2008

Biofuels in Brazil


This week RFA Chief Executive Nick Goodall has been in Sao Paulo as a special guest of the Brazilian Government's *Biofuels 2008* conference. Nick participated in a discussion in the 18th plenary session, looking at trade rules, technical issues and sustainability standards.

He emphasised that achieving the best possible carbon savings should be the core objective for biofuels policy, and that the world trade framework must support rather than hinder this goal. He also spoke about our experience of implementing the world leading carbon and sustainability reporting mechanism that underlies the RTFO, which has helped demonstrate both the potential and the challenges for sustainable biofuels.

Nick contributed to a number of other sessions, including the climate change plenary where he introduced the issue of indirect land use change. He was also invited to attend the high level inter-governmental sessions as an independent expert.

Fourth month's data released

The RFA's fourth monthly report has been published on the [website](#).



Sao Paulo, host of the International Conference on Biofuels

www.renewablefuelsagency.org

The independent sustainable fuels regulator

 **Renewable Fuels Digest**

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Invitation to Open Board Meeting 2009

The RFA is delighted to temporarily, and each year we hold one of our board meetings in public. This year's Open Board Meeting takes place on Monday 28 September at a vibrant and modern venue in the middle of Hastings.

The RFA and its board will give you an overview of the RFA's progress in the last 12 months and share insights into future developments, including the implementation of the Renewable Energy Directive. Dr'n Victoria Harrison-Cobbe will outline the work of the Biofuel Programme Board and the Department's future plans for the RFA. We welcome your questions and your feedback.

Coffee and tea will be served from 12.00pm and we request the event to run until 4pm. Please contact us [here](#) if you would like to attend.

New Digest date for your diaries

Although we know how much readers enjoy picking over the Digest on a warm Sunday afternoon, for the benefit of the small minority who prefer to catch up on all their news on biofuels on a work day we are moving publication from third Friday of the month to the third Wednesday. Don't worry though, you can still get it directly to your inbox and download it from the website, and it's still free for you to subscribe.



Stuffed shark and milk is delicious but not a potential biofuels source. Find out more on page 4.

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Thank you.

Any questions – please get in touch

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