

# Future Fuels in Agriculture

iagre.org

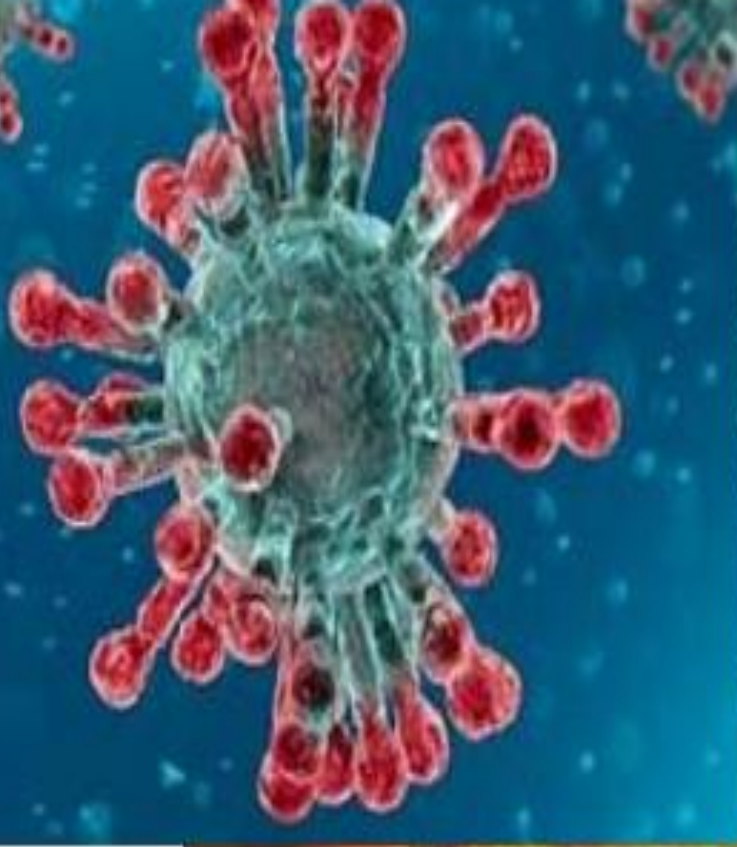
Agriculture ■ Forestry ■ Horticulture ■ Environment ■ Amenity



**Caroline Drummond MBE**  
**LEAF Chief Executive**







# COP26 Goals

- Secure global net zero by mid-century and keep 1.5 degrees within reach. ...
- Adapt to protect communities and natural habitats. ...
- Mobilise finance. ...
- Work together to deliver.



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UK 2021

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# COP 26

## Our Engagement

- LEAF Observer status
- Sainsburys Global farmer stories
- IUCN –Statement recognising LEAF as a NbS
- Bonn challenge – forest landscape restoration
- LEAF Education - 'Climate change: Working together for a safe and healthy world'



## What will success look like for LEAF?

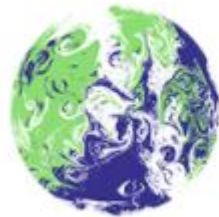
- Sharing of information and data with farms
- Evidence of the work being done (case studies)
- Education (Getting agriculture into all aspects of curriculum, education of sustainable food system)





# Fossil Fuel Free Farm 2030

- Fossil fuels - where we use them – the audit
- Efficiencies
- Alternatives
  - Management
  - Research and innovation
  - Technology
- Barriers
- Success



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# Reaching Net Zero in Agriculture

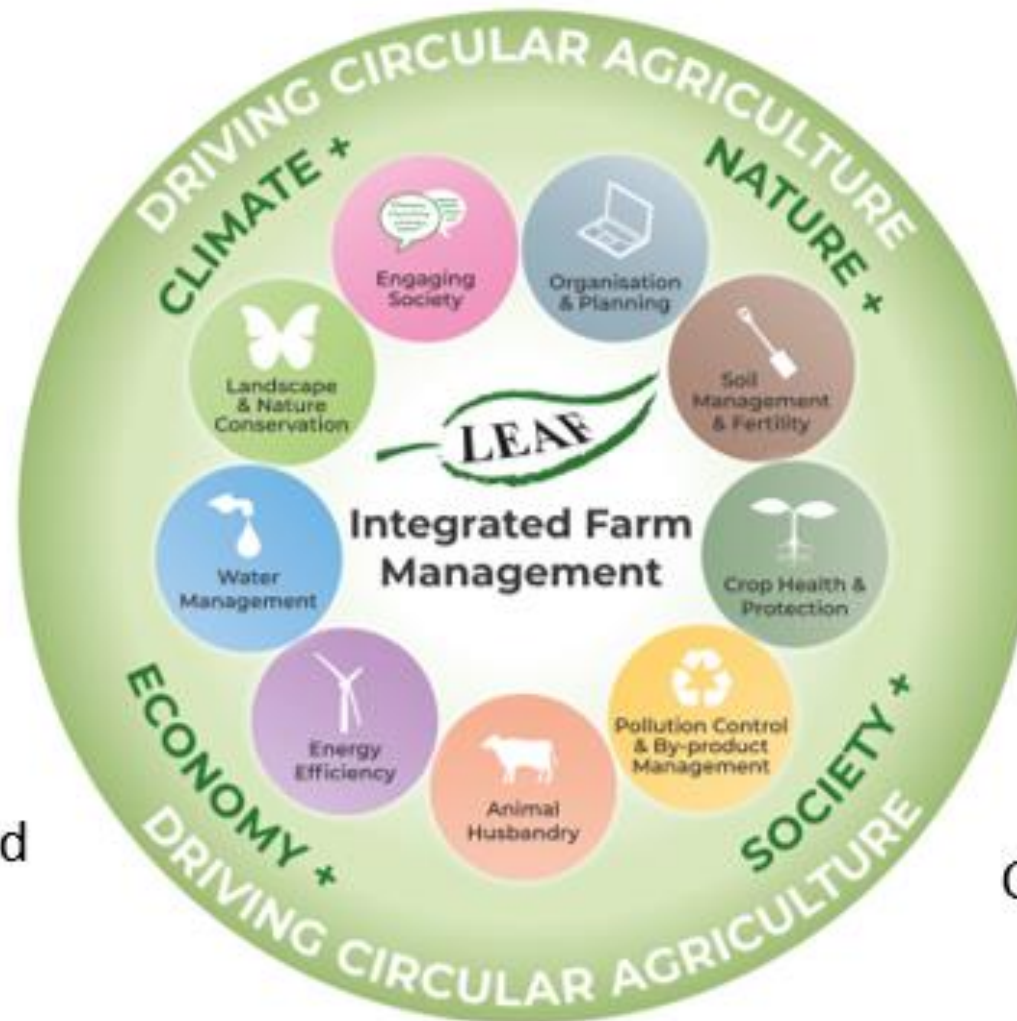
## Practical approaches to drive success

Whole Farm

Attention to detail

Site-specific

Modern technology and  
traditional methods



Prosperous farming

Enriching the  
environment

Engaging local  
communities

Continuous improvement



# Reaching Net Zero in Agriculture

- Monitor Energy Use and Cost
- Management activities for energy use
- Management business developments for energy use
- Consider Renewable Energy
- Increase Fossil Fuel Alternatives
- Strive for a more circular agriculture
- Demonstrate through LEAF Marque



**67%**

have one or more types of  
renewable energy  
generation on-farm



**39%**

use a carbon footprint tool

















# World's first carbon and plastic neutral food product

**Duncan Farrington**, Farrington Oils, Northamptonshire, UK

Mellow Yellow cold pressed rapeseed oil – **world's first food product** to be certified both **carbon** and **plastic neutral**

**LEAF Marque** Certified – underpinned by sustainable farming principles of **Integrated Farm Management (IFM)**

LEAF Demonstration Farmer for 25 years

**Achieved using climate-smart IFM practices:**

Nurturing healthy soils

Reducing waste

Recording energy use for over 25 years

Solar panels generating over half of total energy requirements

8,000 trees planted since 1987



# Energy Efficiency



Nature - the biggest proven technology to address climate change



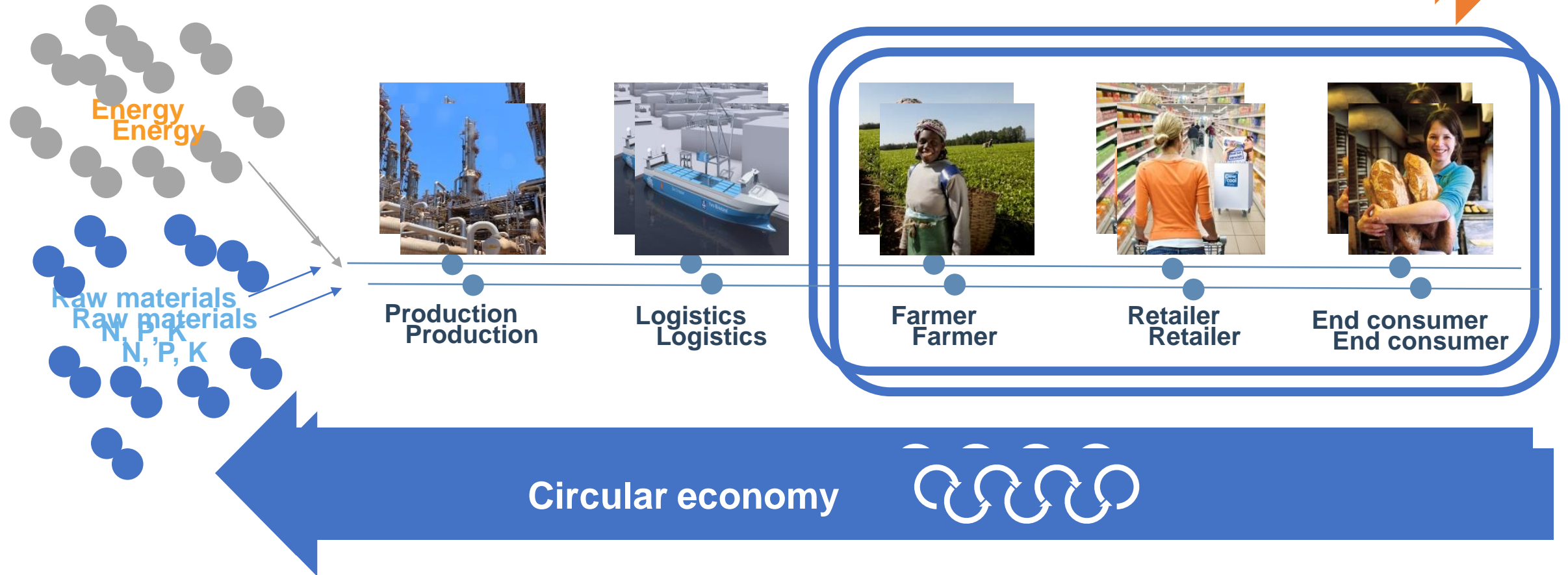






# Climate solutions across the value chain

De-carbonization







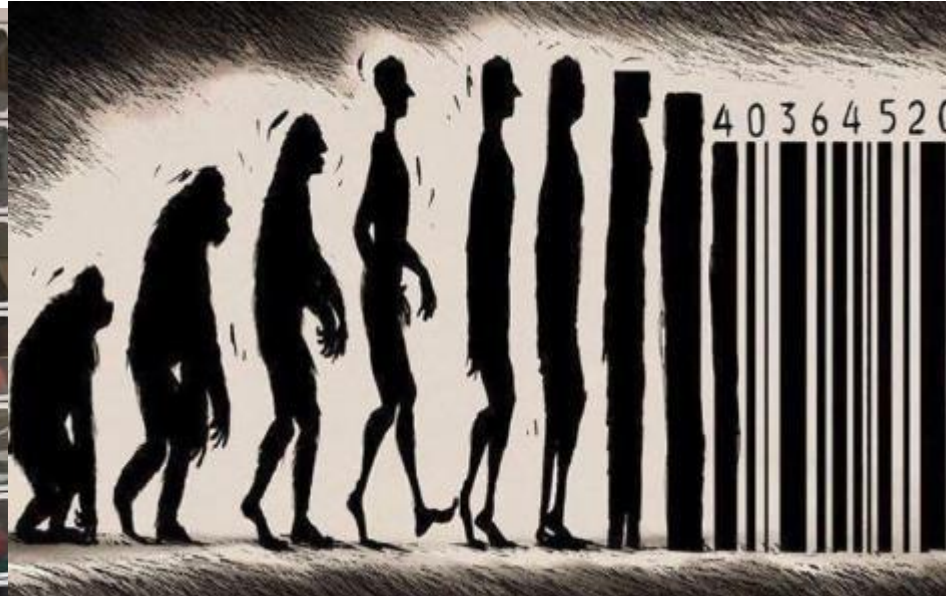


# ... changing food





# ... changing behaviour





# LEAF Online Farm Sunday

Get a fascinating insight into the world of farming!  
#LOFS20



LEAF Education @LEAF\_Education · Jun 7

It's #OpenFarmSunday - Online today!

See all the action, including LIVE farm tours every hour on the LEAF Open Farm Sunday Facebook page. Follow #LOFS20 for lots of educational and inspiring farming posts. Ask questions, get involved!





# We cannot hide!







# You can't beat mother nature







## Future Fuels in Agriculture

- For profit, for people, for planet
- The market place
- Efficiency
- Alternative income
- Sense of achievement
- For health, diversity & enrichment



- Thank you

'If you want to go fast, go alone. If you want to go far, go together.'

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