



# Net Zero & Livestock: Open Innovation Groups

## Feed & Nutrition

15 February 2022

# Open Innovation Group 2022: Feed & Nutrition

## Introductions

Attendee	Company or University / Institute
Ade Adebiji	ForFarmers
Andy Adler	Mole Valley Farmers/Molecare Farm Vets
Andrew Burley	2 Agriculture
Laura Corbett	Anpario
Sam Hoste	Quantech Solutions
James McCulloch	AIC
Sophie Parker-Norman	Volac – <i>apologies off sick</i>
Mark Scott	Cargill
Matthew Sharman	Devenish
David Wilde	Anpario
Abdul Chaudhry	Newcastle University
Phil Garnsworthy	University of Nottingham
Farina Khattak	SRUC
Ilias Kyriazakis	QUB
Francis Lively	AFBI
Ramon Muns	AFBI
Katerina Theodoridou	QUB

CIEL
Lyndsay Chapman
Mark Young
Fiona Short
Harry Kamilaris
Annie Williams

# 2050 Net Zero Targets – The Challenge

- ▶ Agriculture will contribute to Net Zero Carbon for the UK by delivering **a 64% reduction** in carbon emissions. Assume same target for livestock
- ▶ CIEL 2020 report, **Net Zero Carbon & UK Livestock**, calculated that livestock can only deliver 38% by 2050 (*i.e.* **a 24% reduction**) using available technologies...

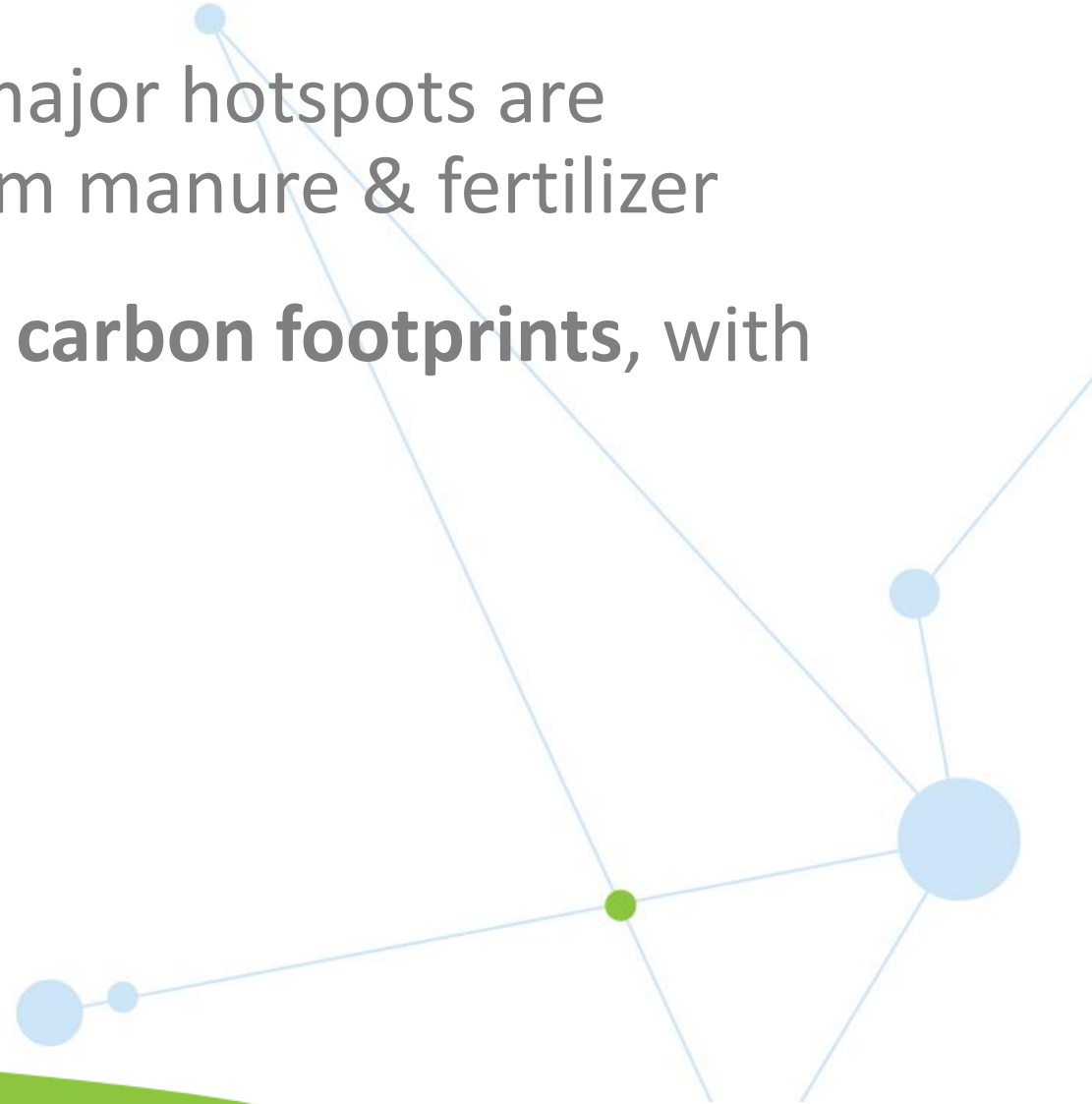
*.... and even that requires high uptake of these technologies!*





# Summary of livestock emission hotspots

- **For ruminants (milk, beef & lamb), major hotspots are rumen methane & nitrous oxide from manure & fertilizer**
- **Poultry & pigs appear to have lower carbon footprints, with feed the major hotspot**



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## Independent Evidence

- ▶ Unbiased information from research, translate science and quantify impact across supply chain



## Open Innovation Space

- ▶ Convene working groups to collaborate on: Productive Grassland, **Feed & Nutrition**, Health & Waste



## Hub for SME Innovation Support

- ▶ Support development of new technologies for Net Zero Livestock



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## **Aims / Terms of Reference for Working Group -**

- Build effective collaborative partnership with engaged participants;
- Identify areas of opportunity for innovation;
- Share ideas and expertise;
- Develop prioritized and co-ordinated plans of activity;
- Highlight and influence funding themes.

Sentiment: the size of the ambition is so large we must collaborate to make the scale of change required at pace



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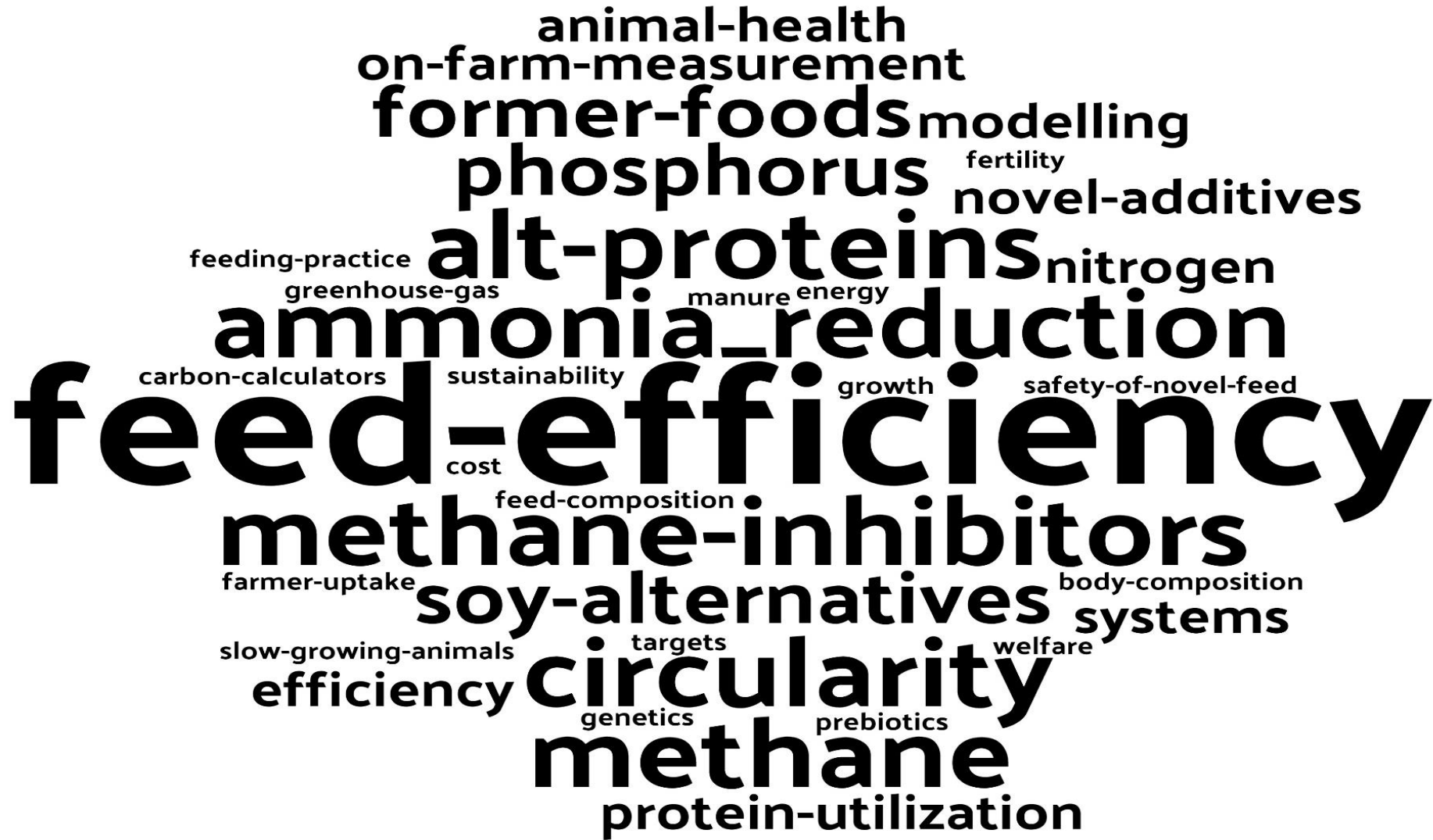
## Competition Statement

All agree to conduct this group in a competition compliant manner, which will not involve any discussions, decisions or subsequent behaviour change that may be construed as anti-competitive. We will not act in a manner that could be construed as advertising or promoting our own business or soliciting for business or work.

Competition Law concerns can arise in a number of ways, including the exchange of commercially sensitive information, from an agreement or decisions to refuse to deal with certain businesses, agreements amongst competitors to impose unfair trading terms as well as agreements to fix prices or limit output or supply.

Failure to adhere to these conditions will result in the termination of this meeting.







# Future Funding

- **Large R&D Partnership Projects. Opening March 2022**

Funding to develop a new farming product or service. Projects costs must be between £3m-5m & last up to four years.

- **Farming Futures Research and Development. Opening Spring 2022**

Each competition will have a different theme. Projects costs must be between £3m-6m & last up to four years.

- **Alternative Proteins/ Methane Inhibitors**

Importance in animal nutrition suggests that there should be a relevant call in these areas.

- **Horizon Europe ?**

