



BH Estates

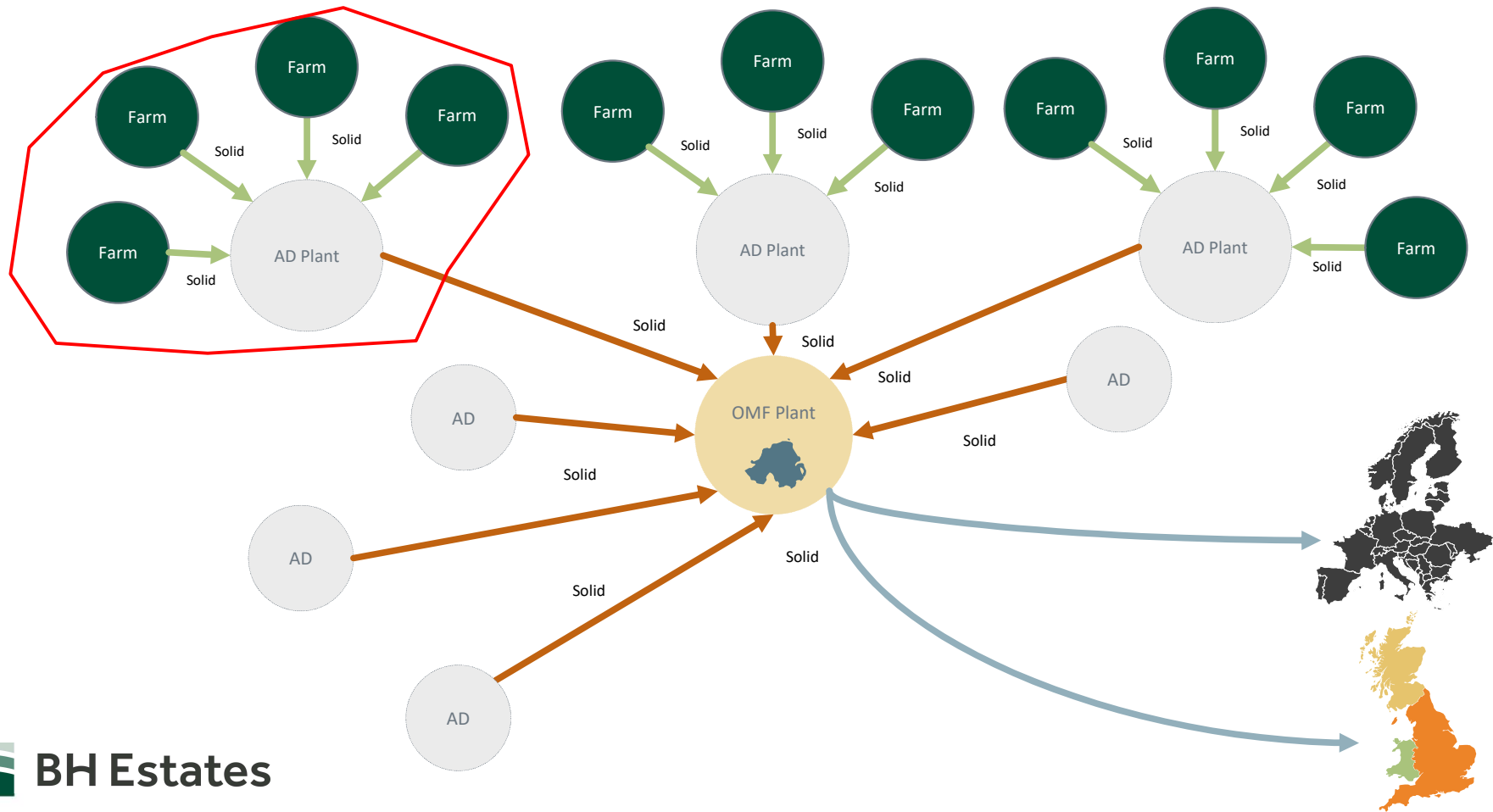
'Phosphates, nitrogen and methane:
The case for on farm separation of slurry (industry and government perspective)'

Jack Blakiston Houston MRICS FAAV

Sustainable Dairy Conference – 5th February 2025

www.bhestates.com

Overall Schematic – shows the system a successful project will deliver

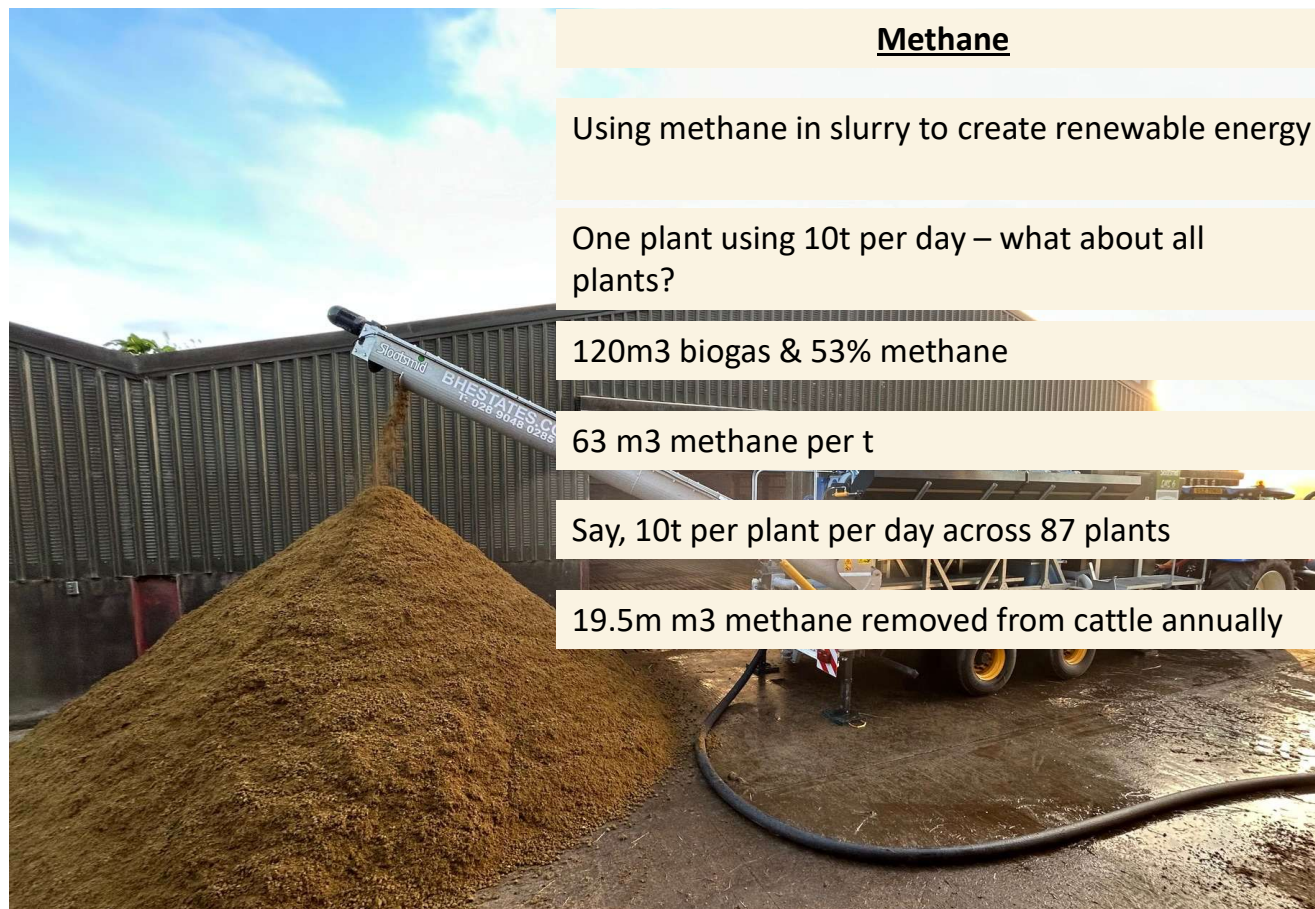


On farm separation – Recent Results & Widespread Uptake

7 weeks of operation

- 1,300 tonnes imported
- Aim to achieve gas yield of 120m³ / t
- Saved c.1,000 T silage
- 3 AD plants
- Averaging 10 t per plant per day over 90 days
- 10t per day across NI AD plants that already exist:

1/3 of slurry processed in NI



Is the liquid fraction easier to use?

“Less hassle to spread”



“Less slurry stripes after spreading”

“No real problems”

“Less blockages”

“Fertiliser costs saved”

“Dispersed well”

“More space”

“Mixed well and went out well”

“Not raking fibre back into the silage clamp”

“Could use remaining liquid in trailing shoe without blockages and so I could use it!”

“It’s (separation) coming down the line”

“Noticed more space”

“Easier to mix”

“Sustainable tick box”

“We may not need another slurry store”

“Easier to spread what was left”

“Fantastic” (spreading)



Looking through a P lens

Phosphate – have a responsibility for food production to look after phosphate carefully

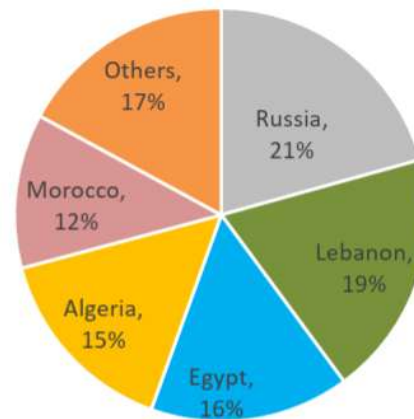


European Sustainable
Phosphorus Platform

**SUBSCRIBE to our eNews
and SCOPE Newsletter**

Email Address:

Country:



2023 Imports

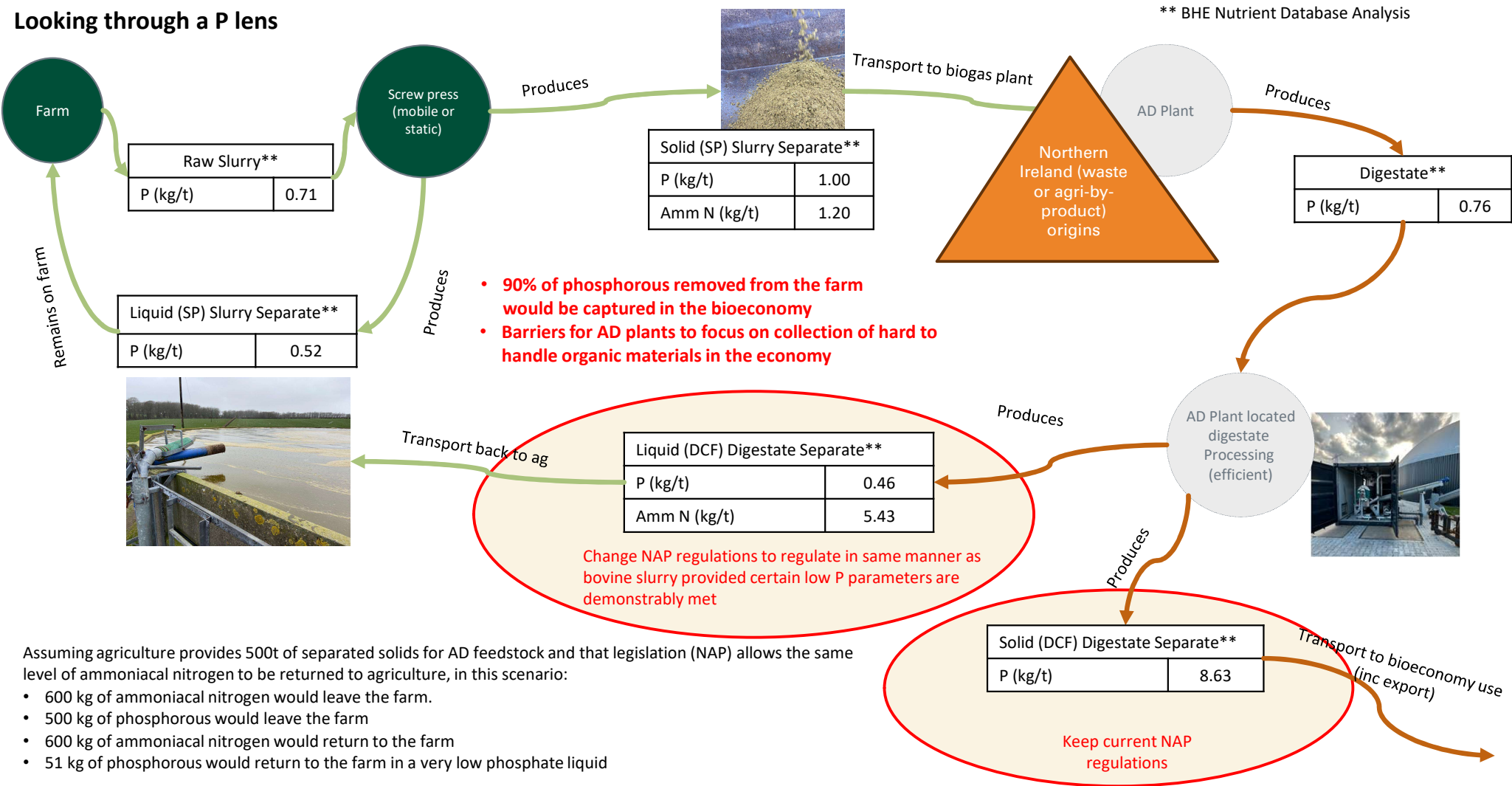
worldwide food security

ed up increasingly fast. The demand for phos

ainably. It disappears from the food chain as
form to participate, collaborate and innovate



Looking through a P lens



What about ammonia?

Looking through an N lens

SOME Critical principles of integrated sustainable nitrogen management



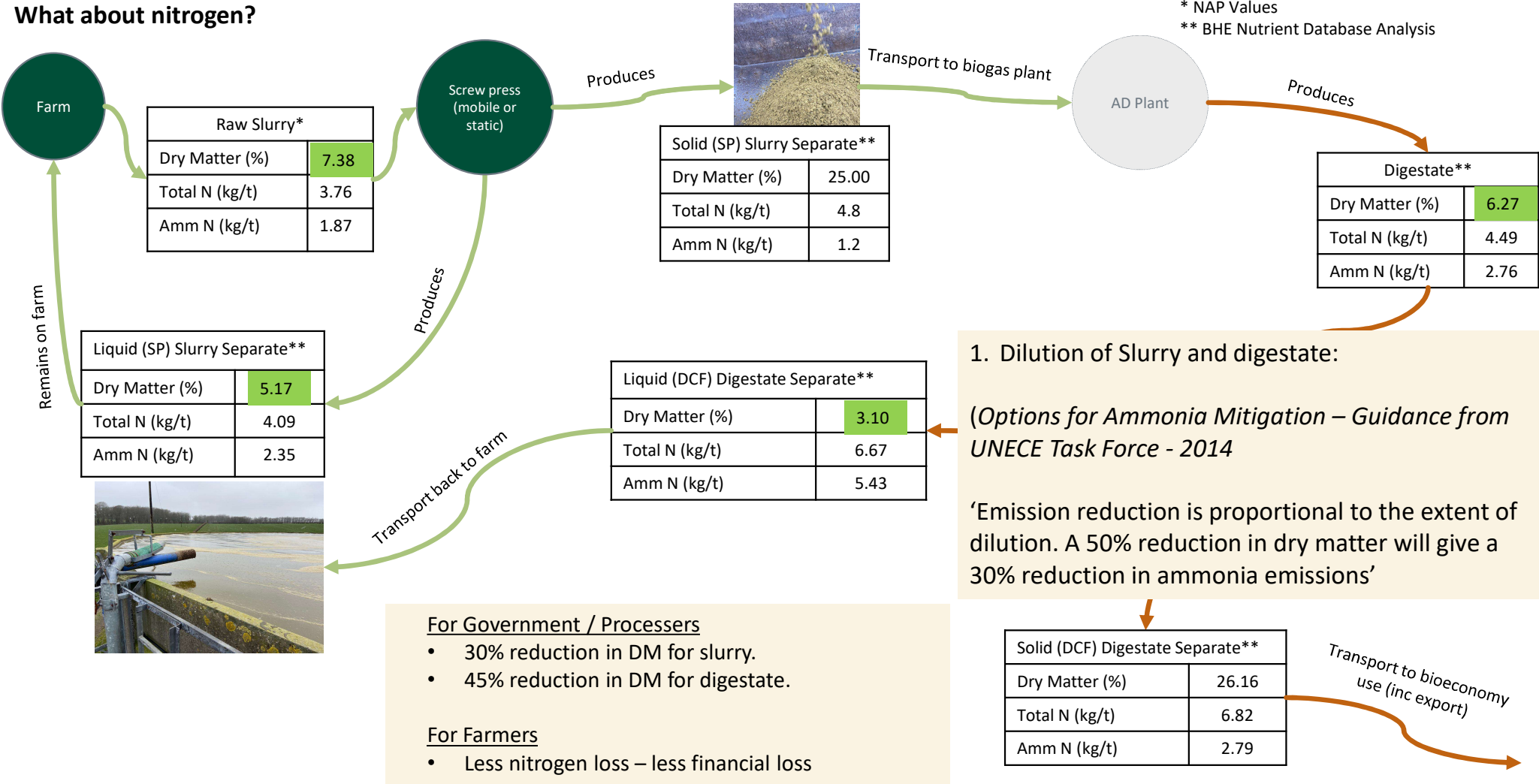
5. Strategies aimed at jointly decreasing losses of N, P and other nutrients are a win-win.

7. Measures must be cost-effective, and relevant stakeholders have sufficient resources to implement them.

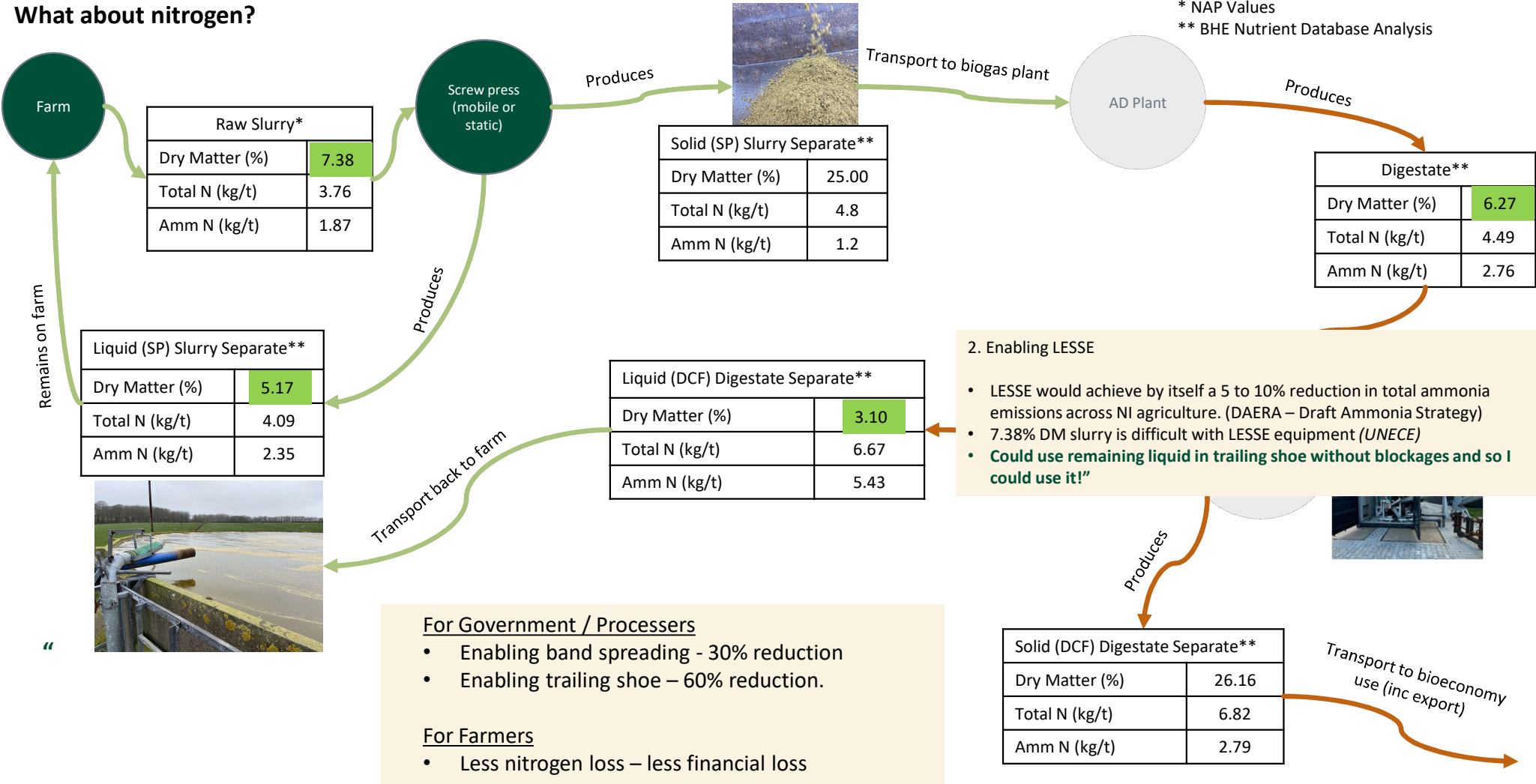
9. Possible trade-offs will require priorities to be set.

<https://measures.inms.international/>

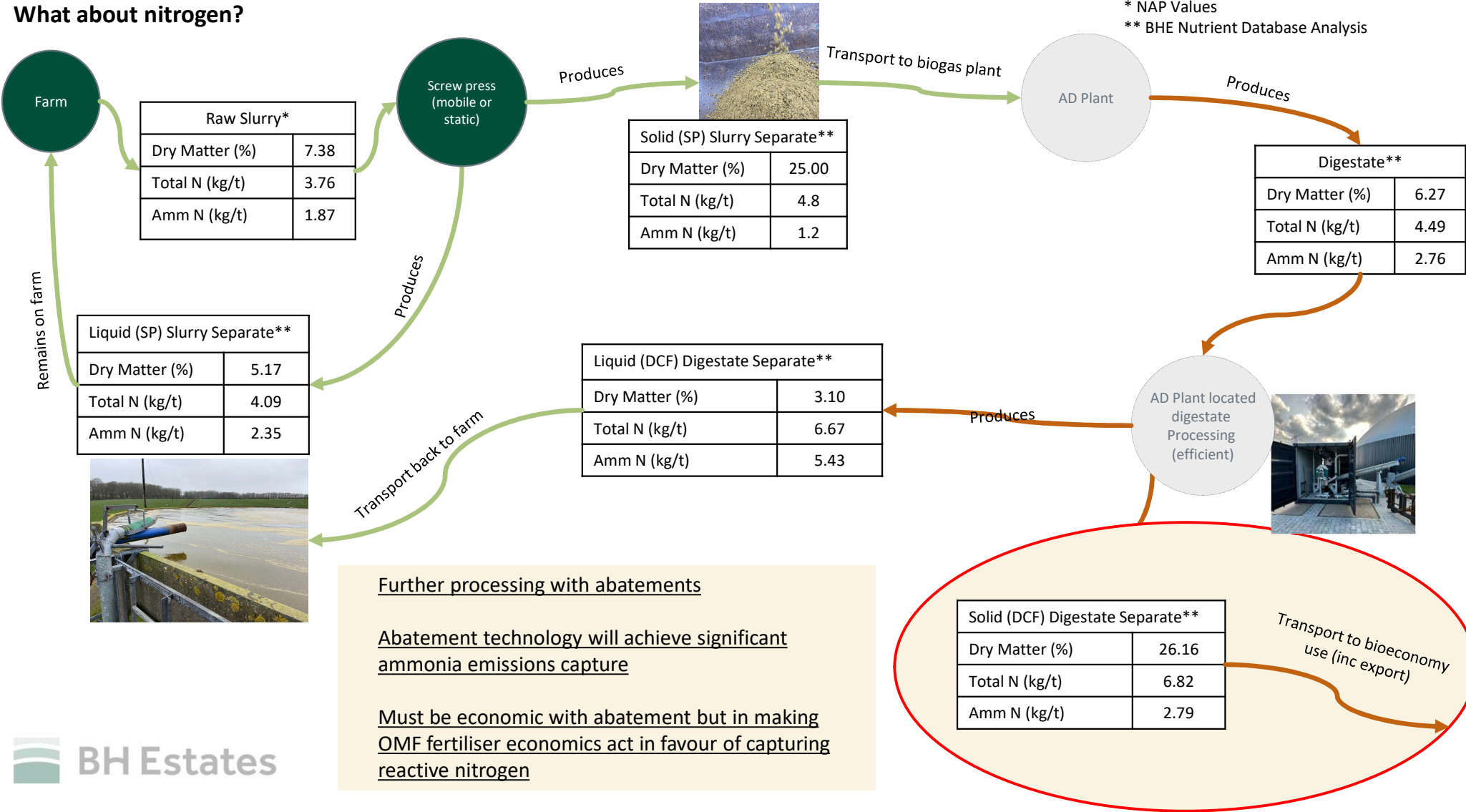
What about nitrogen?



What about nitrogen?



What about nitrogen?



Thank you

Contact: jack@bhestates.com



www.bhestates.com