Bioeconomy

RAS & Economic Development

Dr Gesa Reiss

Bioeconomy Development Officer

York, North Yorkshire & East Riding Enterprise Partnership

ENTERPRISE PARTNERSHIP
York / North Yorkshire / East Riding
Business Inspired Growth

Bioeconomy

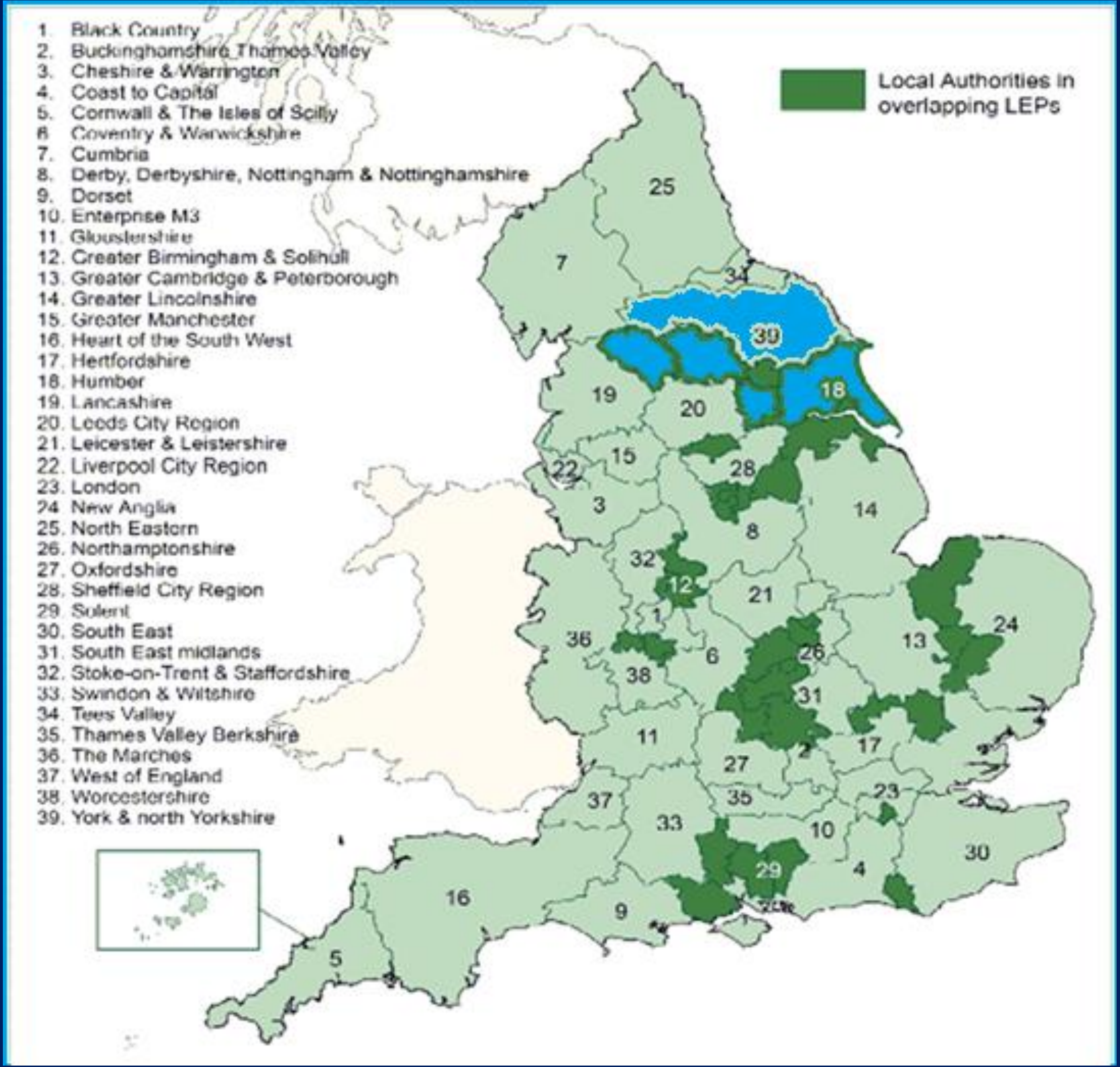
Local Enterprise Partnerships

Set up in 2011 by Government to achieve strong, sustainable and balanced growth across the country and between industries.

39 in England; designed to represent a functional economic area that reflects labour markets and offer sufficient economies of scale.

Partnerships between local authorities and businesses; determine local economic priorities, lead economic growth and job creation within the local area.

Responsible for delivering growth programmes worth £2 billion annually. Also set strategic direction over the use of European funding in their area.


1. Black Country
2. Buckinghamshire Thames Valley
3. Cheshire & Warrington
4. Coast to Capital
5. Cornwall & The Isles of Scilly
6. Coventry & Warwickshire
7. Cumbria
8. Derby, Derbyshire, Nottingham & Nottinghamshire
9. Dorset
10. Enterprise M3
11. Gloustershire
12. Greater Birmingham & Solihull
13. Greater Cambridge & Peterborough
14. Greater Lincolnshire
15. Greater Manchester
16. Heart of the South West
17. Hertfordshire
18. Humber
19. Lancashire
20. Leeds City Region
21. Leicester & Leistershire
22. Liverpool City Region
23. London
24. New Anglia
25. North Eastern
26. Northamptonshire
27. Oxfordshire
28. Sheffield City Region
29. Solent
30. South East
31. South East midlands
32. Stoke-on-Trent & Staffordshire
33. Swindon & Wiltshire
34. Tees Valley
35. Thames Valley Berkshire
36. The Marches
37. West of England
38. Worcestershire
39. York & north Yorkshire
Local Authorities in overlapping LEPs

Bioeconomy

YNYER LEP

- Geographically biggest LEP
- Value of our economy £24 billion; Total number of businesses > 48,000
- 5 priorities: A global leader in the bio-economy; Profitable and ambitious small businesses; Inspired people (Skills); Successful and distinctive places; Connectivity
- Our key performance indicators: Job creation; GVA growth; number of businesses supported; closing productivity and wage gap; number of new houses built.

ENTERPRISE PARTNERSHIP York / North Yorkshire / East Riding
Business Inspired Growth

Bioeconomy

Global Leader in the Bio-economy

- Over 10% of the area’s economy is from the agri-food and bio-renewables sector.
- 70% of the area is farmed. Clusters in wheat, peas, beetroot, pig rearing, potatoes, horticulture and poultry.
- One of the largest shell fishing ports in the UK.
- Largest concentration of food & drinks businesses in the UK.
- HQs and manufacturing facilities: McCain Food (GB), William Jackson Food Group, Marlow Foods (Quorn), Arla Foods, ABP Food Group, Cranswick and Nestle (Kit Kat bar).
- An agri-food R&D and innovation growth corridor

Bioeconomy

Challenges we face

- Brexit - reduced migrant labour force.
- Perception that RAS kills jobs – our success is judged on job creation
- Chicken & Egg situation: RAS support industry needs to be built up in parallel to avoid net job losses. Major up-skilling is required. But does agri-food support a RAS support industry ?
- Little data on levels on adoption of RAS by agri-food businesses or on number of ‘RAS’ businesses. How can we provide the right business support ?

Bioeconomy

Challenges we face

- Integration of agri-food supply chains is sub-optimal – how to introduce RAS, data integration, etc. across the chains ?
- Whole of food-chain optimisation requires adoption of new agri-food systems – more change
- Our regional innovation systems need to be developed further to get the best out of RAS for our industry

Bioeconomy

Role of Robotics & Autonomous Systems

- High value jobs created in the course of innovative process – retain / attract new talent; wages that are in line with living cost
- Drive productivity – e.g. increase yields, reduce waste, improved predictability
- Enable supply chain integration between agri-food / bio-renewables businesses – data integration; improved resilience of business
- Attract investment to our area – new: industry to support RAS
- Provide new technologies and processes which drive commercial value
- Skills development

Bioeconomy

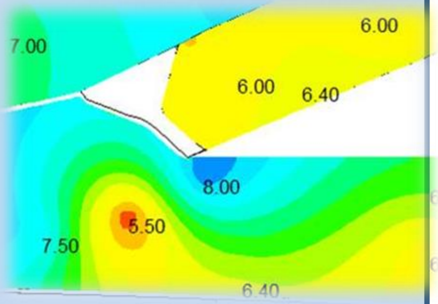
Thank you !

ECPA
Edinburgh 2017

11th European Conference on Precision Agriculture

Imaging, robotics, precision cultivation, crop care & harvesting, mapping, livestock management ………

16th to 20th July 2017



bsas
Newcastle University
soilessentials
precision farming solutions
SRUC
The James Hutton Institute

www.ecpa2017.com