



Smart collaboration between agritech and biotech

Yorkshire and the Humber: home to innovation for the UK's bioeconomy



BioVale receives funding support from the following:



BioVale

1 Hassacarr Close

Dunnington

York, YO19 5SN

United Kingdom

+44 (0)1904 328045

info@biovale.org

biovale.org

@BioVale_Cluster



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Yorkshire and the Humber is one of the UK's most important agricultural areas. Its farmers are fast adopters of the latest agri-tech developments.

- Over 11,000 farming, forestry and fishery enterprises.
- 17% of the UK's cereal area and 36% of its pigs.
- The UK's largest area of the energy crop miscanthus.
- Two of the UK's fastest-growing agricultural colleges at Askham Bryan and Bishop Burton.

The universities of York, Sheffield and Leeds are in the UK's top 20 organisations for agri-tech and agri-science research.

- The National Pig Development Centre at Leeds is the UK's largest facility for pig research, development and knowledge transfer.
- The Centre for Novel Agricultural Products at York uses plant and microbial sciences for the development of sustainable industries and to enhance food security.
- The Plant Production and Protection Centre at Sheffield is a centre of excellence for translational plant and soil science.

By 2030, it is estimated that more than half of the world's agricultural output will depend on biotechnology.

The Yorkshire and Humber region is at the forefront of research and development in this field, with a thriving cluster of agri-food enterprises, research centres and initiatives.

Public sector research is complemented by a wide range of cutting-edge, private research organisations.

- At Fera Science, 350 scientists work across the agri-food supply chain to tackle the challenges facing UK agriculture-their services include the UK's largest plant clinic.
- The Stockbridge Technology Centre provides advice, technology, innovation and education to the horticultural sector.
- Sciantec Analytical is part of the UK's largest independent provider of analytical laboratory testing services for the land-based industries.

Nationally important agri-tech initiatives are led from the region.

- The N8 agri-food research initiative, led from the University of York, combines the efforts of eight universities to improve resilience across the global agri-food supply chain.
- The Centre for Innovation Excellence in Livestock pursues livestock production and product quality research to deliver improved food quality and farming systems.
- The Centre for Crop Health and Protection focusses on applied crop science, particularly chemical science, soil science and precision farming.



If you want to access the region's agri-tech innovation, contact BioVale.
www.biovale.org