

UK Yorkshire & Humber

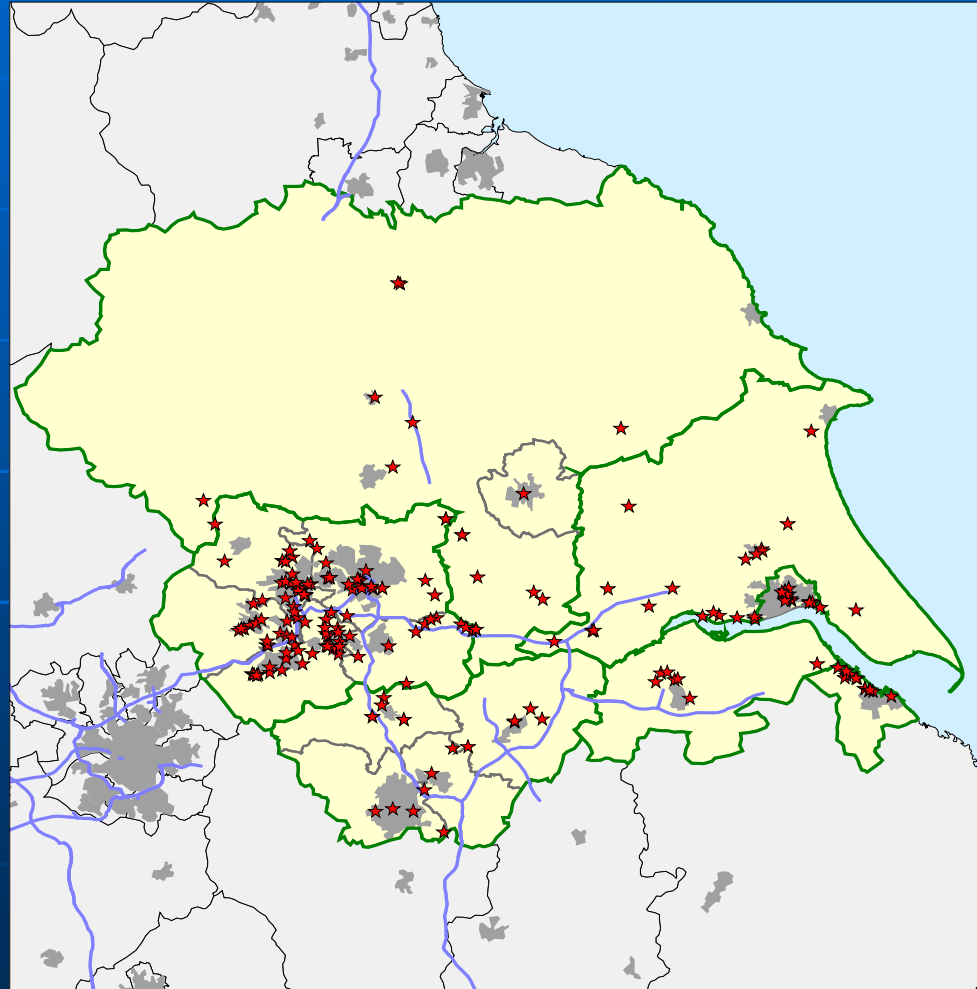
Chemicals Sector

Dr Glyn R Hughes

CEO, Humber Chemical Focus



Yorkshire & Humber Region : Location of Major Production Centres



Yorkshire & Humber Region

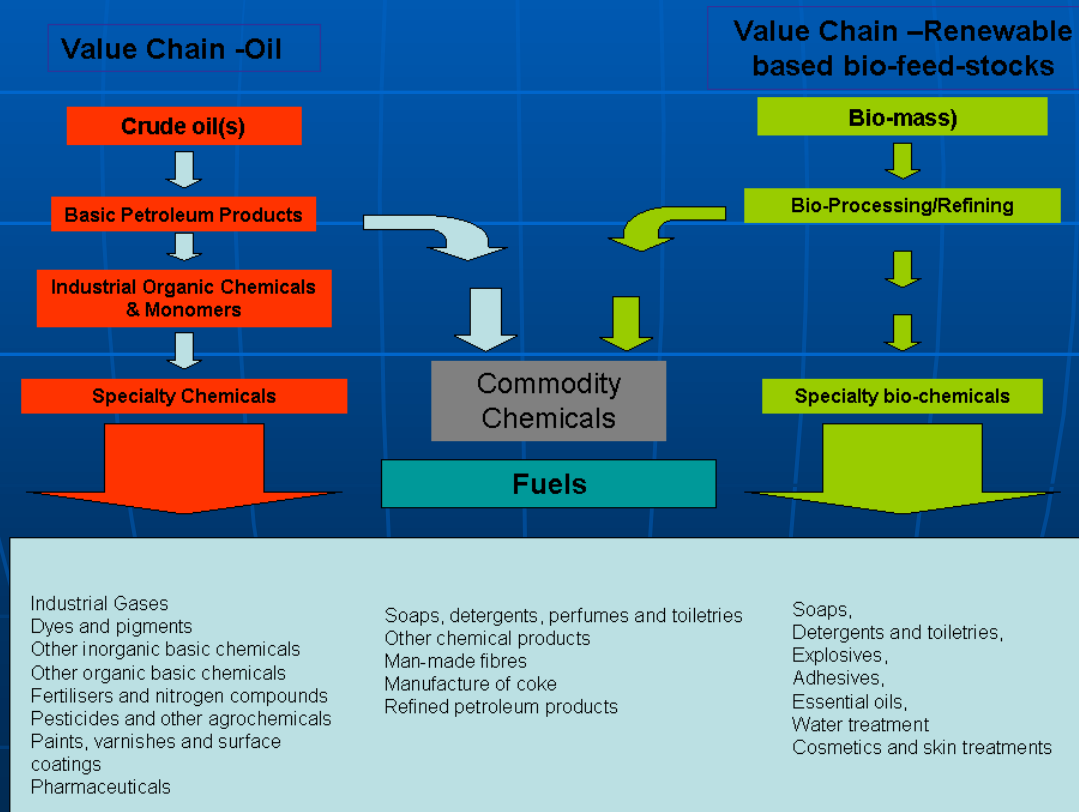
- Yorkshire & Humber - an £70 billion economy
- £8 billion Chemical & Petrochemical Output
- £2 billion of GVA, 55% Exports
- All parts of the chemical value chain present
- 14 % of Feedstocks handled for UK
- 27% of UK refining capacity
- Hosts UK largest Ports complex (> 90 million of cargo/freight), 50 countries serviced from Ports
- Major sub sea and ground based pipelines for gas, fuels, ethylene feed-stocks
- Major Centre for Energy Generation & User Industries
 - (>14 % of UK's Electricity Supply)
 - > 50 million tonnes of hydrocarbons distributed & processed
 - Renewable On and Off shore Infrastructure

Y&H SMEs

- 65% of all the chemical enterprises in the region
 - 80% in West Yorkshire
 - Many thriving and growing companies
 - Range from well established privately owned to inward investors establishing a trading presence to university spin outs
 - Manufacturing to technology and services
- 57% of employment in the region
- Diverse range of products & services reflecting the region as a whole
- Humber is home to a large concentration of Engineering Support SMEs to the sector & off-shore services to the North Sea energy fields

The Y&H Chemicals Supply Chain

- High quality
- Diverse
- Global and local
- Many sectors
- Many end users



Some Major Supply Chains in Y&H

- Industrial Bio-technology
 - Bio-diesel
 - Bio-ethanol (planned)
 - Bio-Energy
 - Functional bio-materials
- Commodities
 - Methane/ethylene transformation
 - TiO₂
- Specialty
 - eg propylene co-monomers
 - eg gases
 - eg polyacrylamides
 - Pharma
 - Pigments & Paint
- Personal Care
- Fossil Based and Renewable Energies

Yorkshire & Humber Capability

■ **University Research & Chemistry**

- York
- Hull
- Sheffield
- Leeds
- Huddersfield
- Bradford –material Sciences
- Centres for Industrial Collaboration

■ **National Centres**

- Green Chemistry Centre of Excellence, University of York
- Centre for Novel Agricultural Products, University of York
- National Non-Food Crops Centre
- Centre for low carbon Futures

■ **Regional Chemistry Industry Support (Public-Private Sector Partnerships)**

- Yorkshire Chemical Focus
- Humber Chemical Focus

Humber Chemical Focus & Yorkshire Chemical Focus

- Established as public-private sector partnerships
- Not for profit but business driven in their approaches
- Combined Membership of > 230 organisations, strong links to regional and local agencies
- Work Streams include:
 - Membership & Networks Services
 - Innovation
 - Skills
 - Inward Investment
 - Expert support to public sector on process industries.
- > Euro 20 million deployed on behalf of regional in last 10 years
- Local Networks, for example focused on:

Innovation
Water
Renewables

Skills
Safety Regulation
Environmental Regulation

Reach
Energy
Bio-fuels

Local Communities
Human Resources
Personal Care

Final Words

- Why we want to join ECRN as a region?
 - This is an important group
 - Unique regional perspective for the sector
 - Gets listen to by EU
 - Build collective case for resource to support work
 - We applaud ECRN aspirations to build effective collaborations