BBSRC
bioscience for the future

EPSRC
Engineering and Physical Sciences Research Council

BB Net
Biomass Biorefinery Network

The processing of sustainable (non-food) biomass using a range of processes to produce low carbon fuels, chemicals, materials, and energy

www.bbnet-nibb.co.uk

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- **Bioprocessing**
- **Bio-catalysis**
- **Fermentation**
- **Chemical conversion**
- **Engineering**

Biorefining & processing biomass to produce:

- **Agricultural and forest residues**
- **Food industry and brewing waste**
- **Municipal and commercial solid waste**
- **Marine biomass and biomass crops**

- Liquid fuels
- Chemicals
- Materials
- Energy

Need for a network in this area?

- £50bn petrochemicals sector (UK alone)
- Low carbon agenda will cause major changes in next 30 years
- Replacement of petroleum with biorenewable feedstock in a sustainable manner to provide liquid fuels, chemicals, materials and energy
- Massive economic opportunity with global markets

Need to build and sustain an integrated community of academic and business practitioners to develop the science-led innovation to drive economic growth

Ambition

- Harness the best science to empower innovation for economic growth
- Nurture an innovation-minded research community
- Deliver impact to benefit society, the environment and the economy
- Garner public support for environmental benefits
- Make environmentally beneficial IBBE a priority for government

MB

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