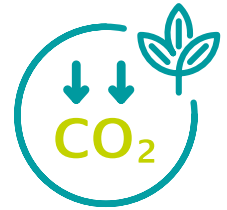


Bioenergy sources could provide 10% of **UK energy needs by 2050**.



Bioenergy is a hugely valuable source of **low-carbon renewable** energy because it can be stored and used flexibly to produce heat, power, liquid and gaseous fuels.



BIOENERGY



Understanding variability in biomass feedstocks and the opportunities for pre-processing

To meet this 10% figure (140TWh/yr) the UK will need **three times more feedstock** (on an energy basis) than is used today.

x3

To **increase the use of second generation crops**, we must overcome technical and market barriers.



Reducing the variability of second generation crops will reassure buyers that **biomass is of the right quality standard** for application.



If **water washing** can be successfully commercialised this is likely to be a **more cost-effective** option than other pre-processing techniques

