

LEARN AT CHESTER ZOO

Understanding the supply chain of palm oil

There are many steps between harvesting the fruit bunches of the Oil Palm to the final products found in food, cosmetics and industrial applications.

The purpose of this exercise is to look more closely at some of the other environmental impacts of the Oil Palm industry and at the same time, given that the industry will not disappear any time soon, How can the processes can be made more sustainable; reducing waste and pollution and producing potentially beneficial by-products related to the 'Bio-economy'.

The Bioeconomy refers to potential revenue from **Biomaterials + Biofuel + Bioenergy**

Use this image to draw out a simplified SUPPLY CHAIN.

Fruits harvested > Fruits collected > Transported to Mill > etc. > etc. >



Add to your diagram locations where **ENERGY** is used or **POLLUTION** or **WASTE** may occur (marking them with **E**, **P** or **W** respectively). Detailed knowledge of the process is not required. Use common sense and interpretative skills.