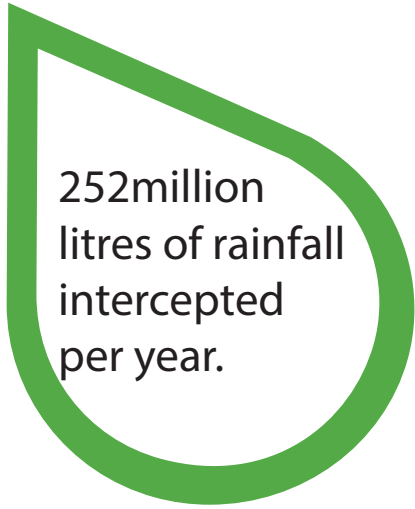


Trees are essential to life. In urban areas they also provide important services: they help to alleviate flooding, they provide health benefits by absorbing pollutants, and they support wildlife. We want to see more trees in urban areas. During 2014-15 the Tawe catchment partners carried out an i-Tree Eco study to value their worth.

Not only do trees make Swansea and the communities in the Swansea valley more attractive, they also:

## Reduce flood risk



Equivalent to:  
**120 times**  
the volume of the 50m Wales National Pool, Swansea

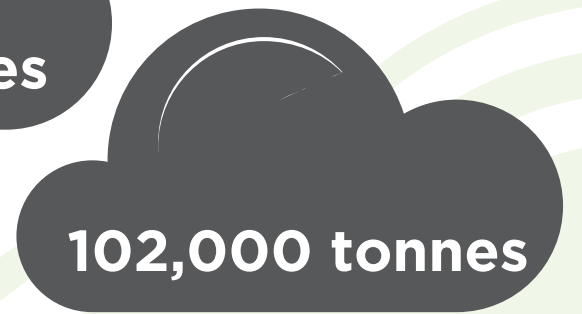


This stops the rain from entering the drainage system, saving **£334,000** in sewerage charges.

## Help challenge climate change

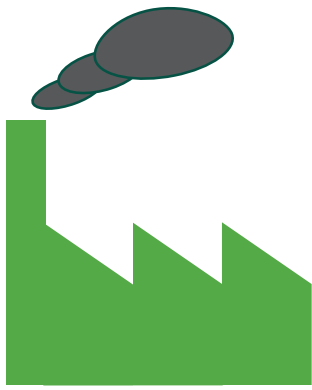


of carbon removed from the atmosphere per year - worth **£671,000**



of carbon stored over the life of Tawe's trees - worth **£23 million**

## Clean the air we breathe



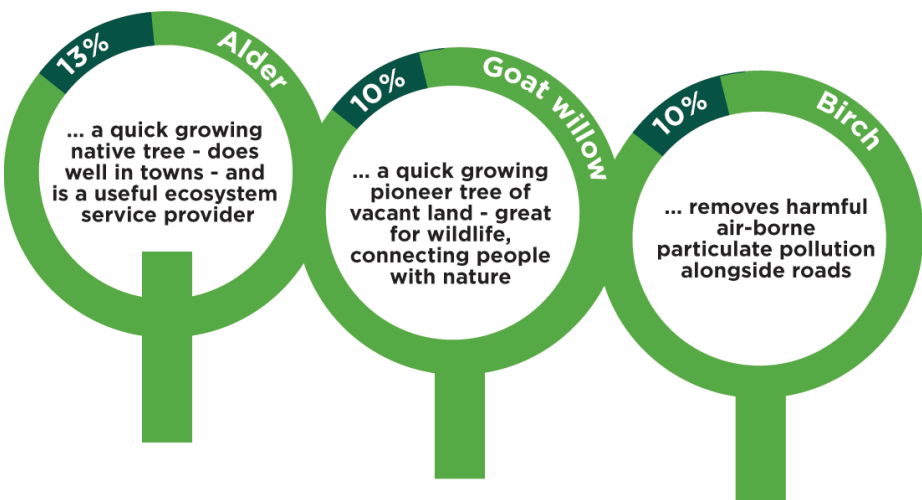
**136 tonnes**  
of air pollution removed per year

saving the NHS **£715,000**  
(by reducing asthma and heart disease)

The ecosystem services provided by Tawe's trees are collectively valued at

**£1.72 million**  
per year

## Sustaining and growing Tawe's urban tree population



Large and leafy trees such as **SYCAMORE, ASH** and **OAK** offer higher levels of ecosystem benefits to society



We need greater diversity of trees to counter the threat of pests and diseases as only 10 species make up 62% of Tawe's tree population. None of these 3 commonest trees are one of those large long-lived species that benefit society most.

It would cost **£816 million** to replace all Tawe's trees should they be lost

**The i-Tree Eco study highlights the real value of Tawe's trees to society. As with any asset urban tree populations require suitable resourcing to enable sustainable management, protection and enhancement.**