

## Future Woodlands Model:

### Pilot Project

DLR Parks along with Schools & local Communities are planting a 1-hectare woodland in Fernhill during National Tree week 2020. Trees and woodlands can be a big part of the solution to the Climate Emergency; it is our intention to use this event to kick start a more ambitious Native Woodland programme using viable native trees, and sustainable aftercare. The woodland will be measured for its Climate mitigation benefits and forecast for the trees increased benefits for our future generations.



Nature based solutions such as tree planting have the power to approach two of the biggest issues being faced at present climate breakdown and ecological extinctions. Woodland creation not only contributes to the removal of CO<sub>2</sub> from the global atmosphere, but contributes many benefits to society, including flood mitigation, water filtration, reduces air pollution, provides habitat for biodiversity and of course the many health benefits it brings to humans. Some of these fringe benefits are almost immediate. CO<sub>2</sub> capture is slow initially but increases exponentially in time and with growth. The government recently gave recognition to the contribution trees, woodland and forestry could assist in helping us meet its international climate change obligations, but it could also contribute to a low carbon economy through provision of goods and services from carbon capture and sustainable building materials. Afforestation projects such as small woodland creation is an effective climate combating tool; because it's a cost-effective solution available now.

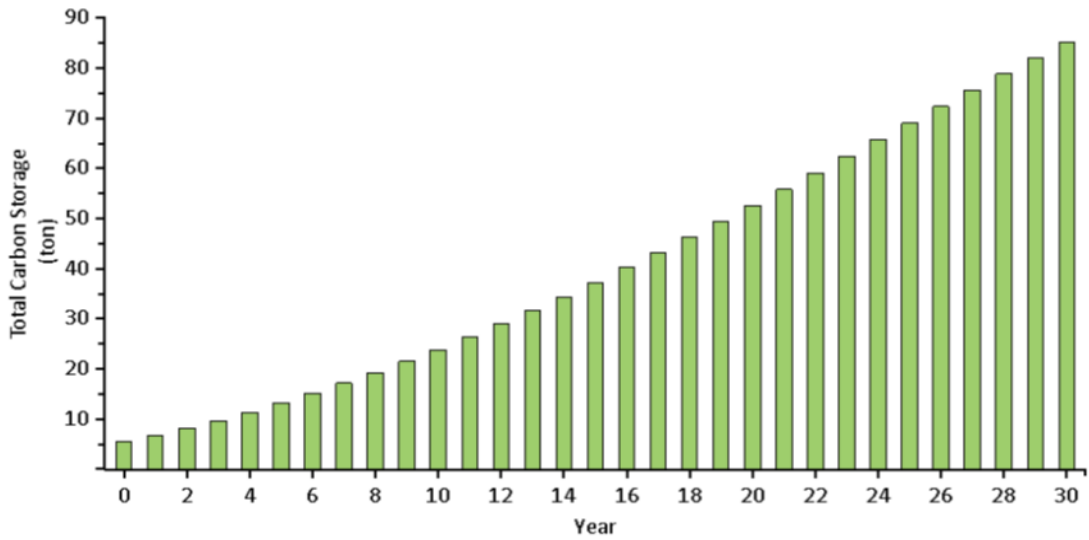
## **PROJECT OBJECTIVES**

1. Employing nature-based solutions to combat climate change through tree planting.
2. Planting trees is a cost-effective way of removing carbon dioxide from the atmosphere.
3. Providing a community led solution with major carbon benefits
4. Provide a benchmark for greater future initiatives.
5. Work with schools, third level institutions and others in relation to education, raising awareness and research

Come Plant with us on the Public Volunteer days: 10am to 1pm and 2pm to 5pm on the 21st and 22nd March 2020. Register your name and availability with Darren at [dcorcoran@dlrcoco.ie](mailto:dcorcoran@dlrcoco.ie)



### Carbon Storage over time



### Carbon Sequestration over time

