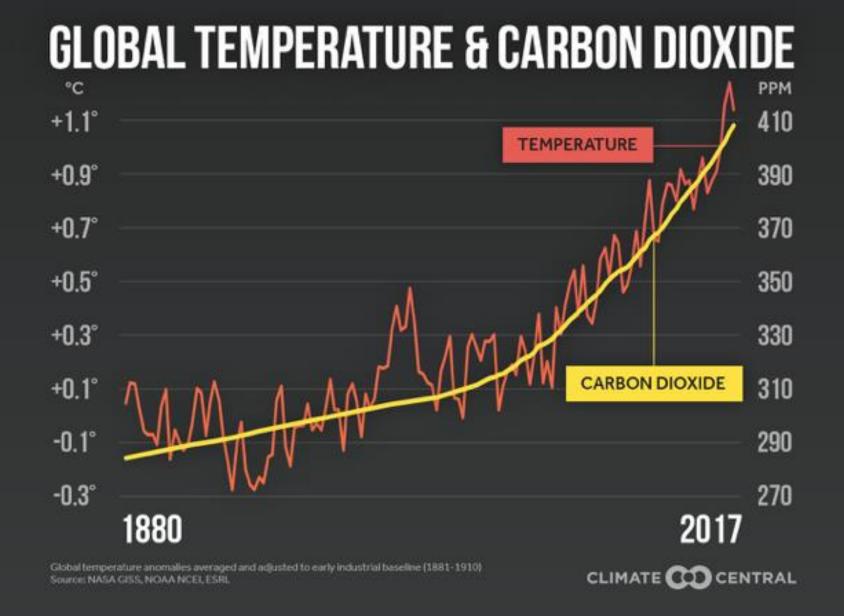
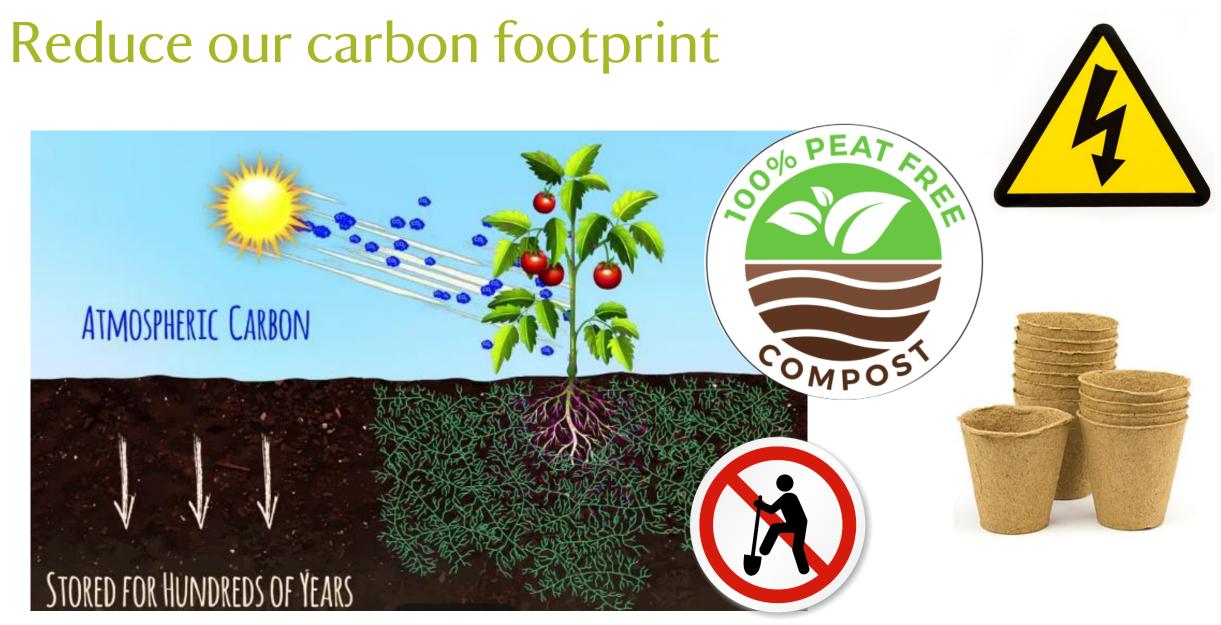
# THE CHALLENGES OF CLIMATE CHANGE

#### **IN HISTORIC LANDSCAPES** JO BARNES, GARDENS TRUST CONSERVATION COMMITTEE





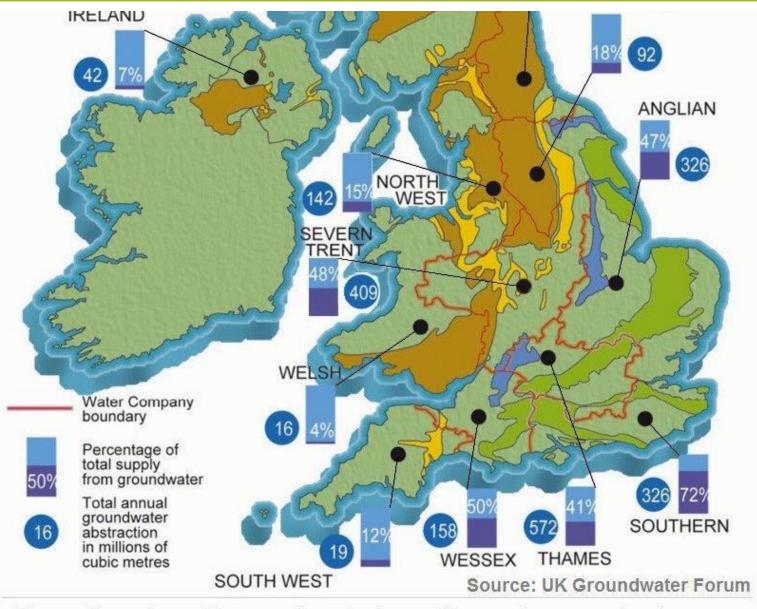


Dr. Elaine's<sup>™</sup> Soil Food Web School - EN - Regenerative Agriculture Courses

# Challenge - Water Scarcity

125

#### Water sources in England and Wales



The use of groundwater. Most groundwater is abstracted in central, eastern and south-eastern

BGS © NERC, 1998, statistics for the use of groundwater across the UK

England

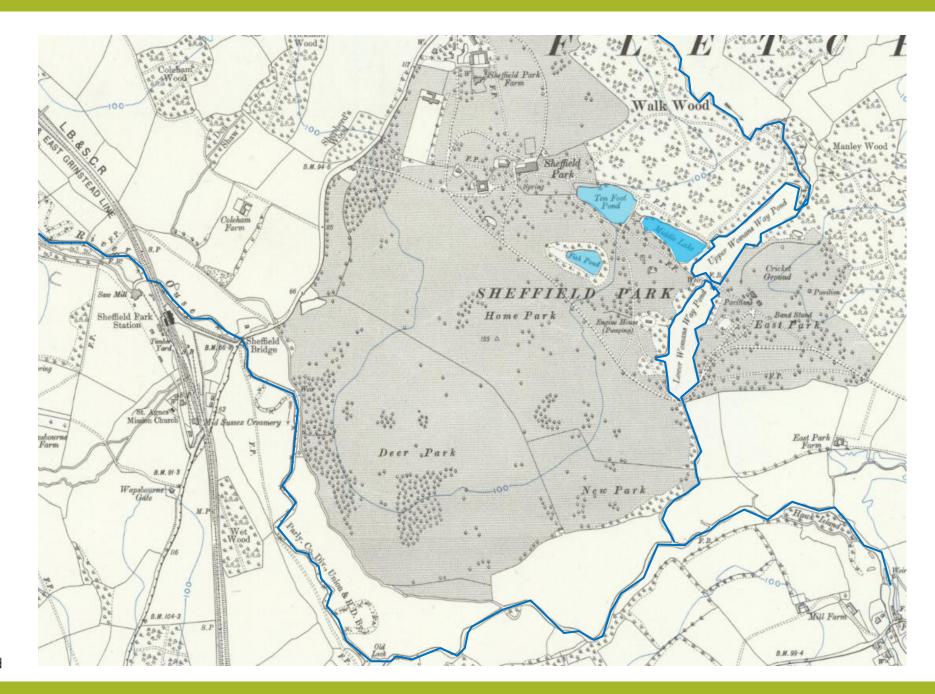
### Adopt sustainable water practices

#### Water harvesting and Abstraction 5 KOD (758 ) 3,000 Gals. **H** Garden Reservoir Old Well

62.000 Gals

voir

#### Water feature water sources



©national library of Scotland



# Plant adaptation





# Managing floods and waterlogging

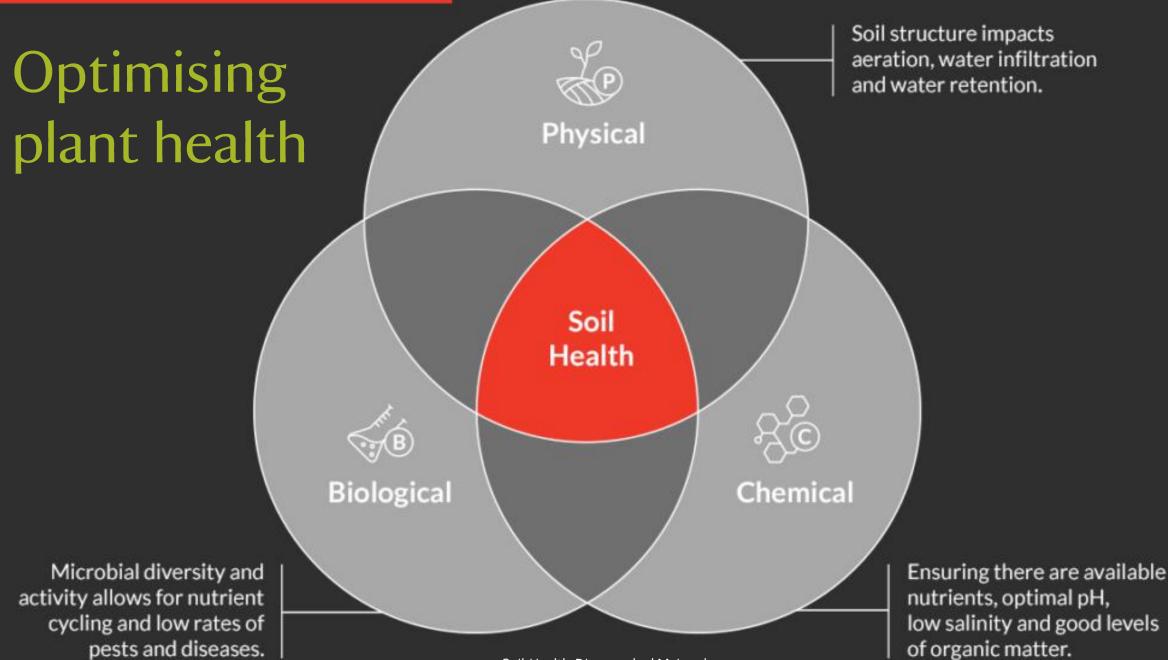


### Create water storage

### **Reducing Eutrophication**

Limiting soil erosion, nitrates and fertilisers

Managing more intense storms and high winds

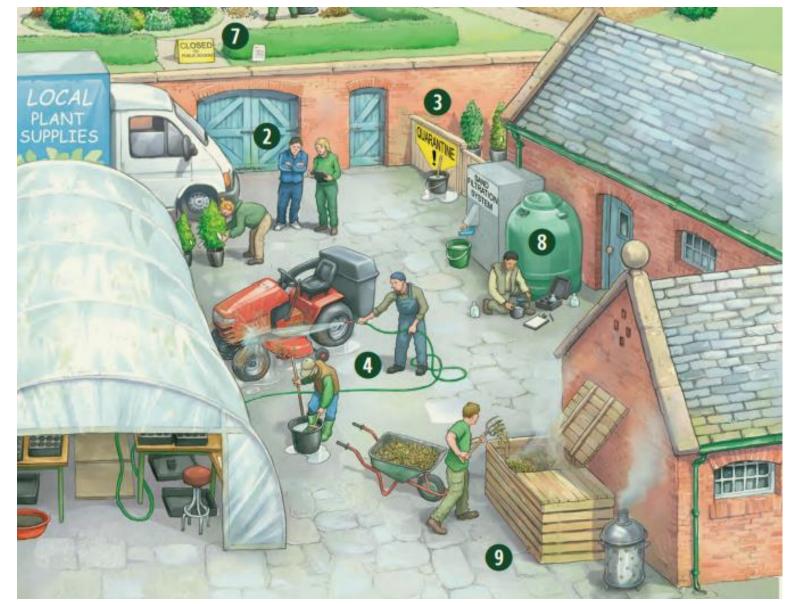


Soil-Health-Diagram-Irg | MyLand

### Minimising risks

## Managing pests and disease

#### Adopting high environmental standards



#### Challenge -Seasonal extremes



February 2018 - Beast from the East

February 2019 - hottest on record

February 2020 - Storm Ciara

# Adapting to varying seasons and pollinator and pest phenology

Improving plant diversity and creating habitats

Millel 11 Acht.

# Managing heave and subsidence on clay geologies

- Reduce carbon emissions
- Conserve water
- Encourage diversity
- Maintain soil and plant health

'The one thing we need more than hope is action. Once we start to act, hope is everywhere.' Greta Thunberg