







#### Introduction

- Plan for today
- Comfort information
- Health and Safety
- Questions?

Introduction and definitions of veteran trees

#### **Coffee break**

Field visit

#### Lunch

Management of veteran trees

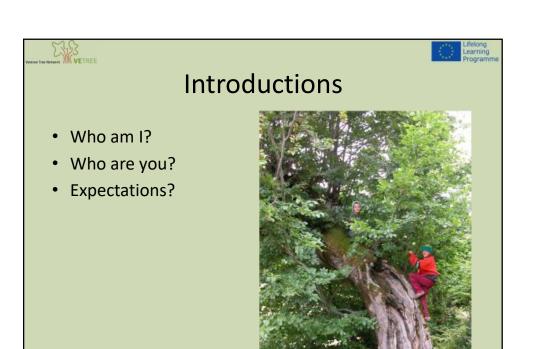


Photo: Helen Read, Romania

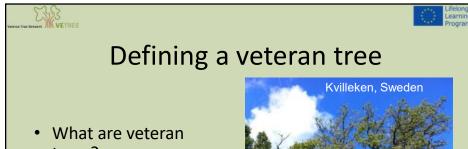




## **Objectives**

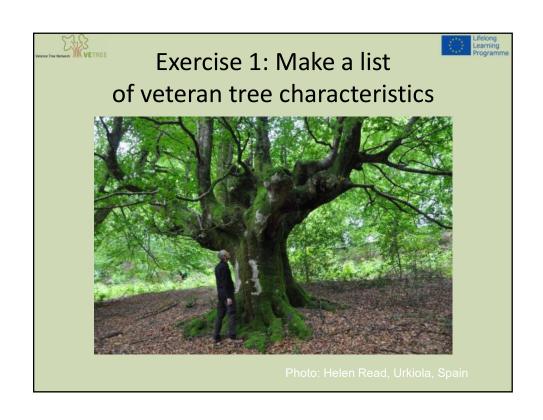
- Describe and recognise a veteran tree of importance for its biological or heritage value
- · Explain why trees can live so long
- Describe how and where roots grow and why they are important
- Undertake a simple survey of a veteran tree in the field
- Assess where management is appropriate for old trees or their surroundings



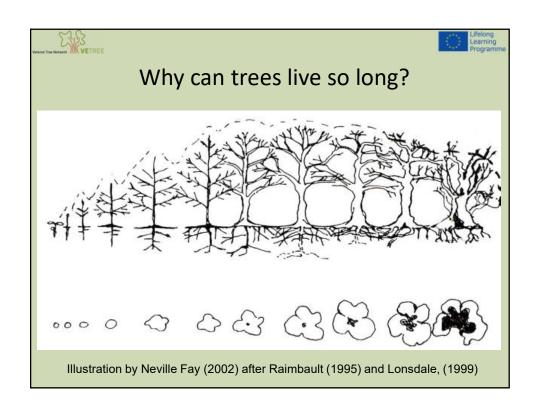


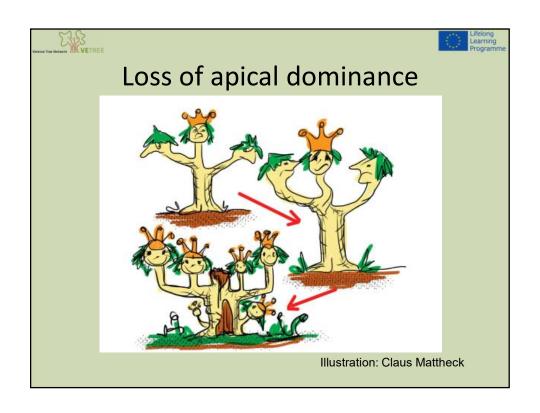
- trees?
- How can you recognise them?
- Age, size, species and condition





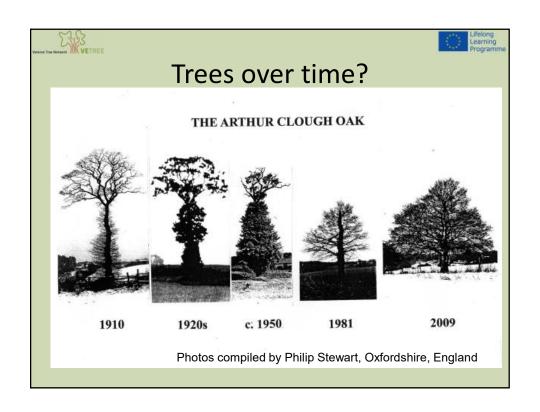


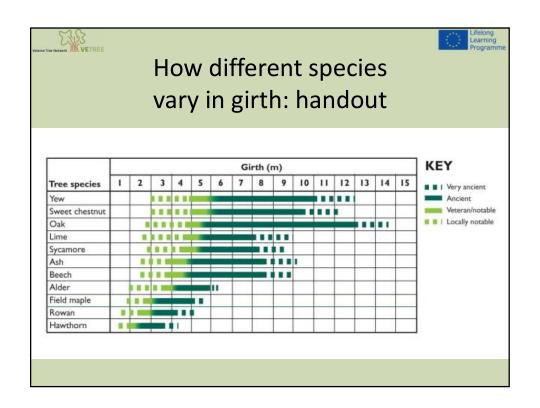














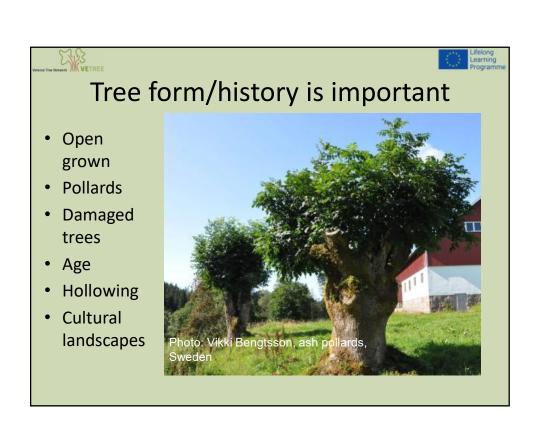


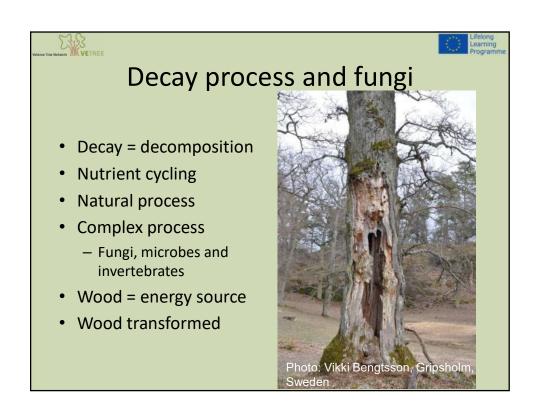
#### Veteran trees and wildlife

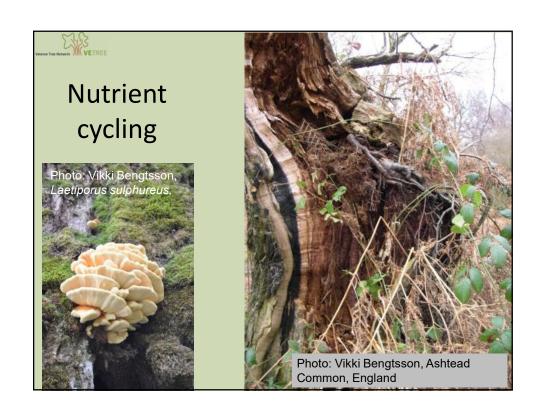
- Why are veteran trees important for wildlife?
- Fungi and their fundamental role
- Examples of wildlife associated with veteran trees
- Importance/status of the wildlife
- Wildlife habitat requirements (and what we can do to help)

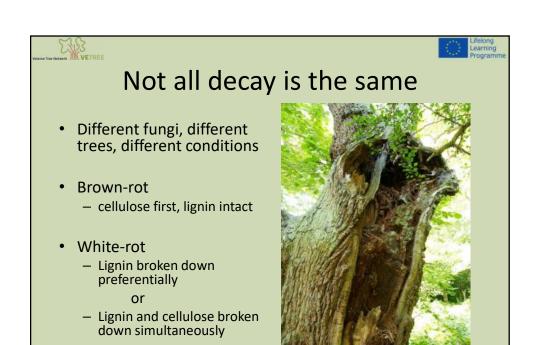
Veteran trees are living ecosystems

Photo: Helen Read, Spain

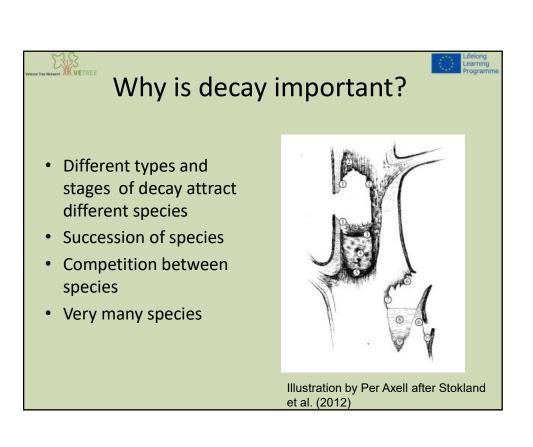


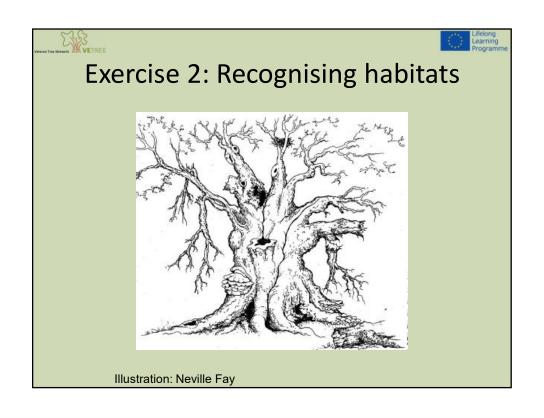




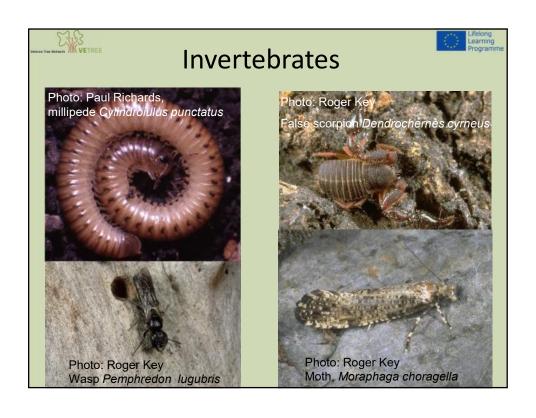


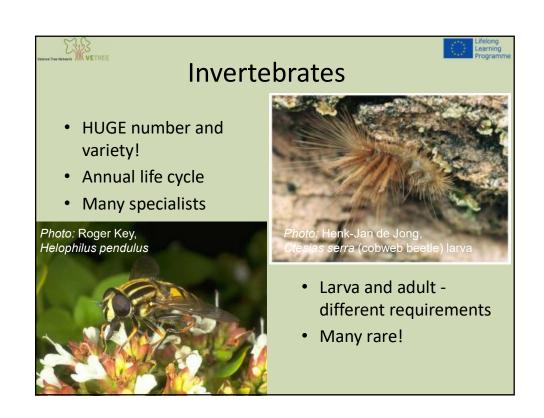
Brian Cleckner, England

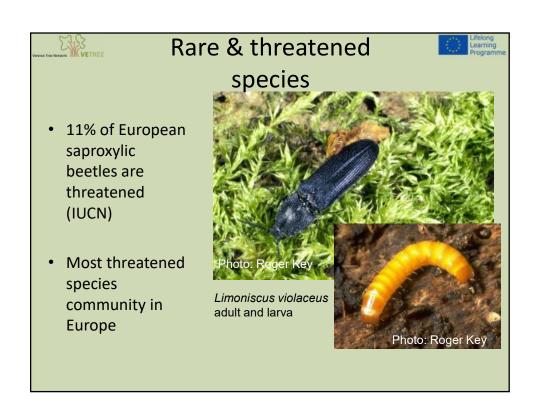




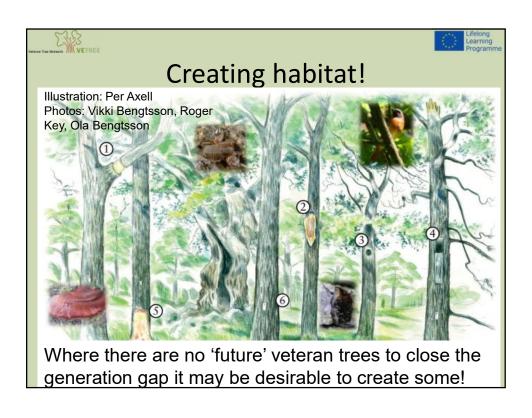


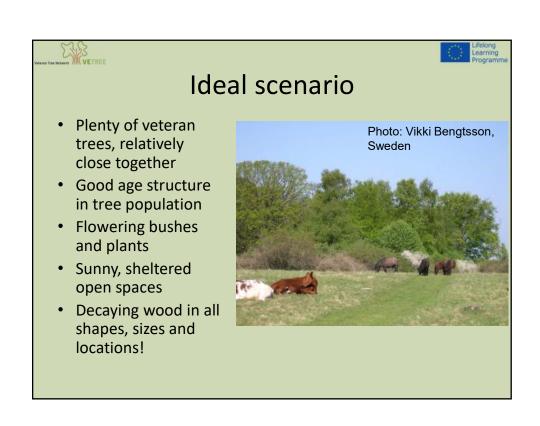


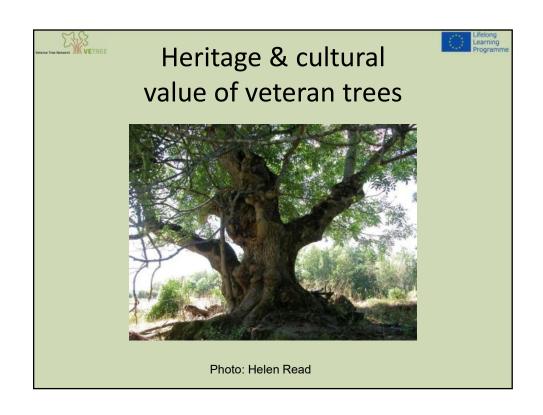
















# Cultural importance of veteran trees

Lifelong Learning Programme

- Historic link to person or event
- Illustrate past land use
- Part of a designed landscape
- Tree rings historical records of past events
- Education/research resource



Photo: Vikki Bengtsson





# Aesthetic importance of veteran trees

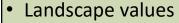
- Inspire people
- Encourage creativity
- Provide an air of stability
- Incorporated into formal designed landscapes to give an air of antiquity
- Some people think they are ugly – encourages debate!



Photo: Helen Read

### WHEN THE HISTORY WETREE

#### Other values



- Ecosystem services such as shade...
- Important gene pool (e.g. more variation, helpful for disease resistance, climate change etc)

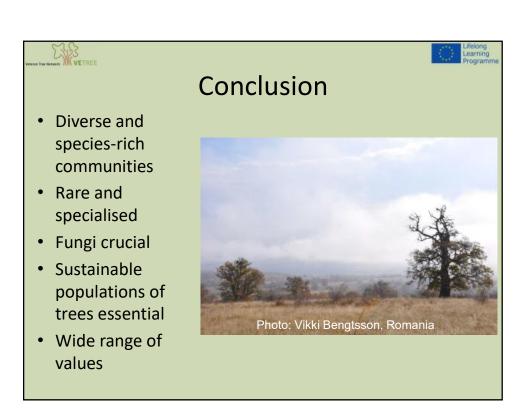


Photo: Vikki Bengtsson, Epping Forest

## Examples of definitions

- A tree that is very old, more than 1m dbh or hollow
- A tree that is of interest biologically, culturally or aesthetically because of its age, size or condition.



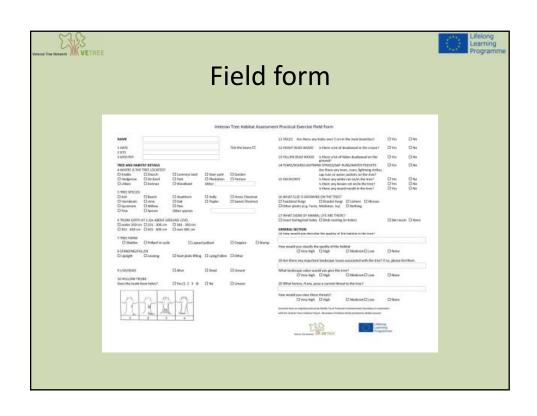






#### **Exercise 3: Outdoors**

- Clipboards
- Pens
- Field forms
- Boots/waterproofs
- Water







#### Veteran tree management

#### Objectives:

- Decide where and when management is appropriate for old trees and their surroundings
- Give simple guidelines for the appropriate management of old trees
- Describe three natural strategies by which trees respond to damage

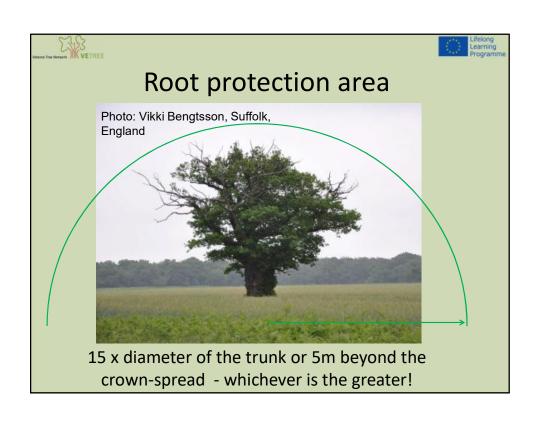




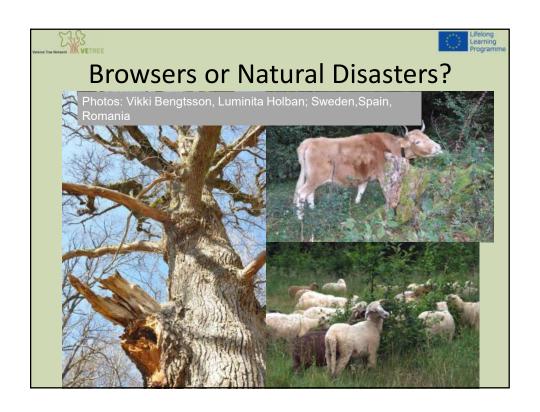
#### **Exercise 4: Roots**

• True/false session









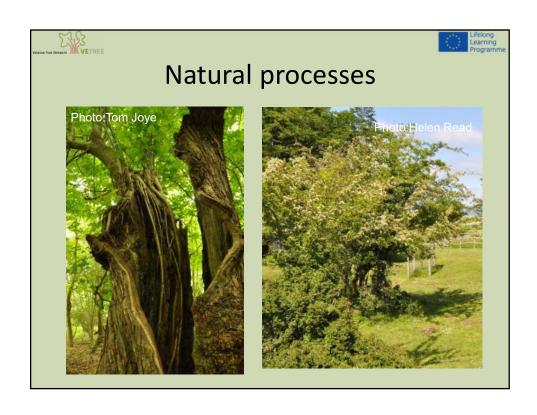




## Exercise 5: Browsers or Natural Disasters?

- What strategies do trees have for coping with being eaten?
- What strategies do trees have for regenerating?
- What strategies do trees have for coping with losing limbs?

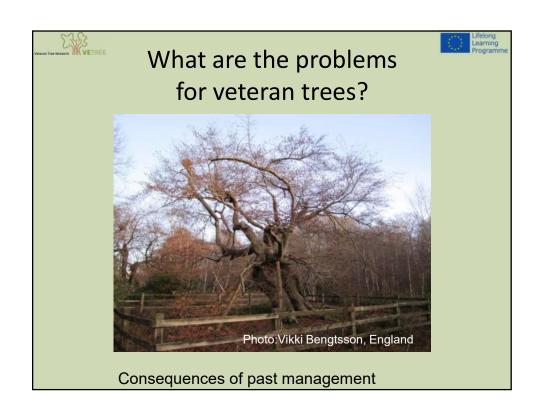




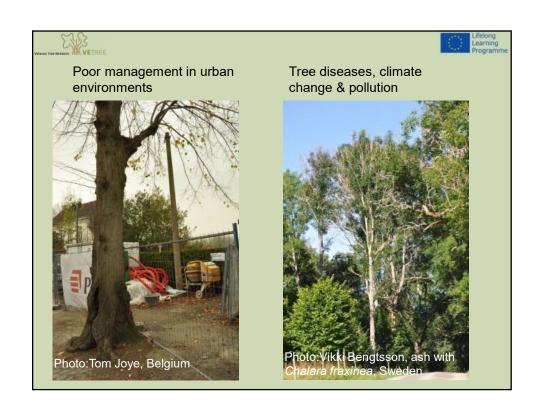


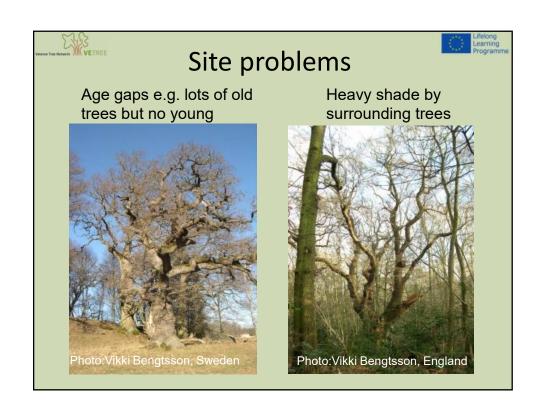










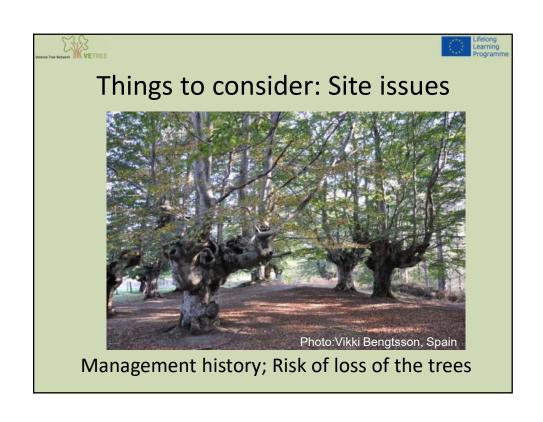


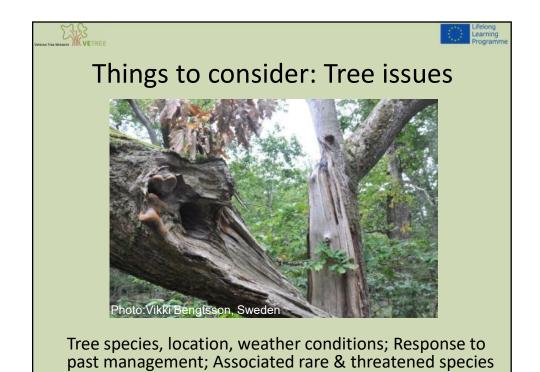


- Reduced vigour
- Risk of failure
- Decay
- Retrenchment
- Sensitive to change
- Competitively weaker
- But.. may exhibit more natural survival strategies







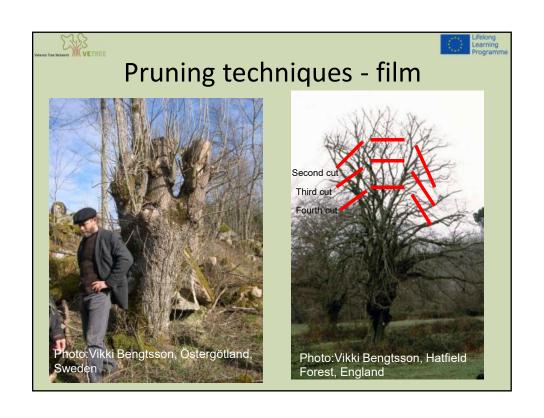


# Management Planning What needs to be done? What techniques to use? Long term planning vital Phote Vikki Benatsson, hazel pollards.



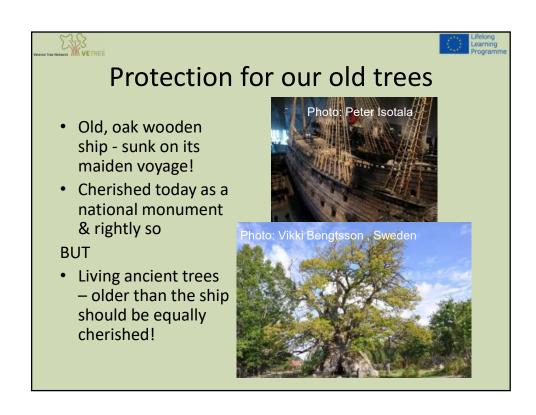
















- Biodiversity
- Ageing process and natural processes very important
- Veteran trees need space
- Plan any management very carefully
- Plan for the future
- Protect for the future

