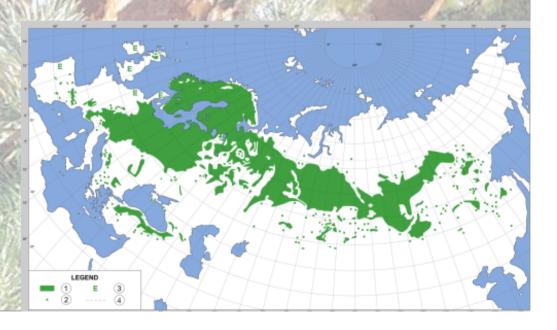


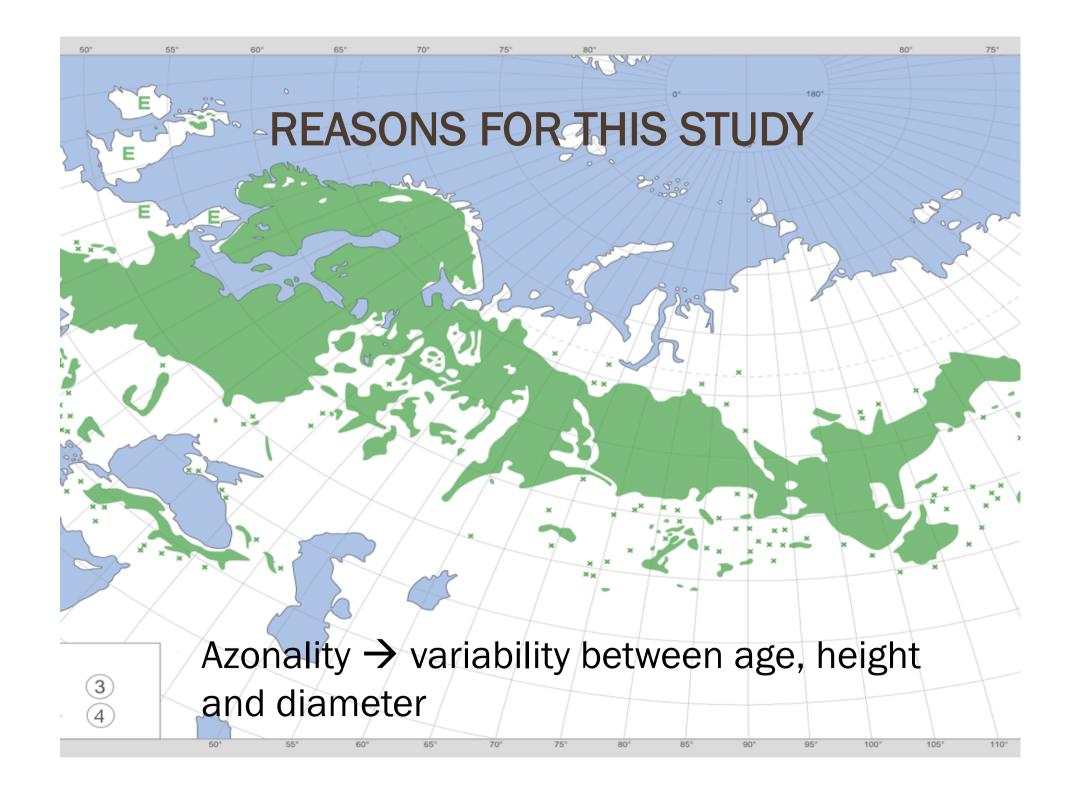


- the most widely distributed conifer in the world
- from sea level to 2400 m
- can grow to 36 m
- max. girth at breast height up to 2,4 m
- lives up to an age of 250-300 years
- male and female flowers occur on the same tree
- seeds weighing 0.005 g,dispersed by the wind



#### HOW DOES THE SITE AFFECT THE GROWTH?





#### PREVIOUS STUDIES

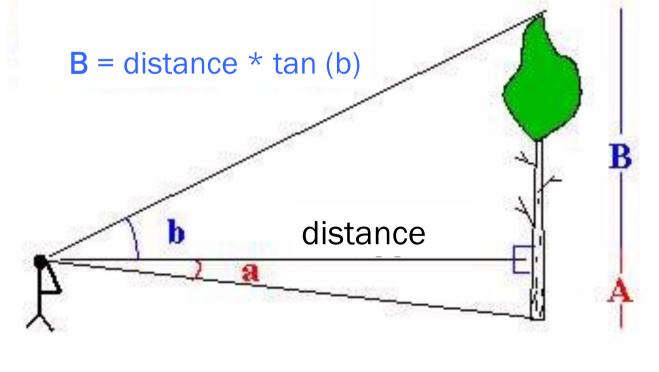
- No relationship between latitudinal location and growth rate → pine growth is largely controlled by site specifics
- The growth rate of pines is not correlated with any peat nutrient
- Water availability is the primary growth-limiting factor
- Mistletoe infection reduces height and radial growth

# MEASURING TREE HEIGHT & DBH

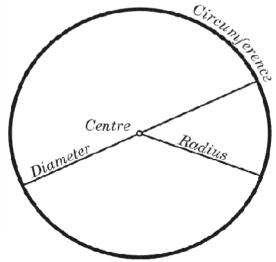
#### All you need:

- hypsometer
- ruler / distance plate





diameter = circumference / π



# COUNTING TREE RINGS

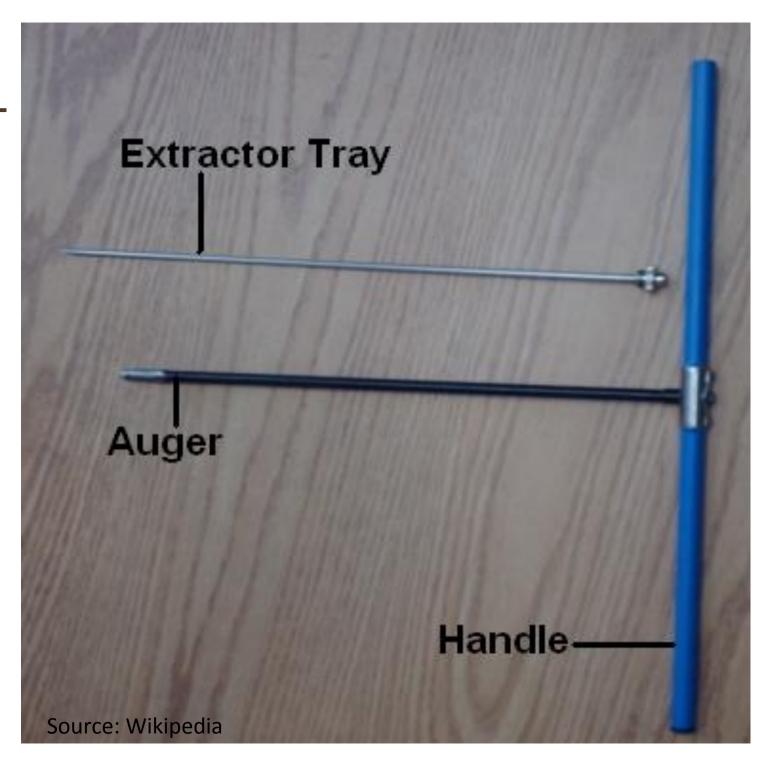


Rings were counted from bark to core

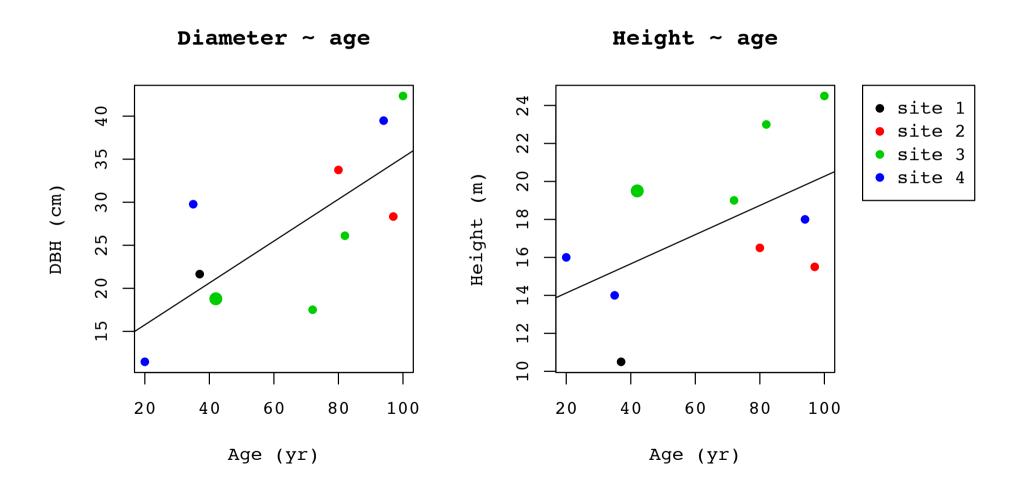
All you need:

- increment borer
- good eyesight

## INCREMENT BORER

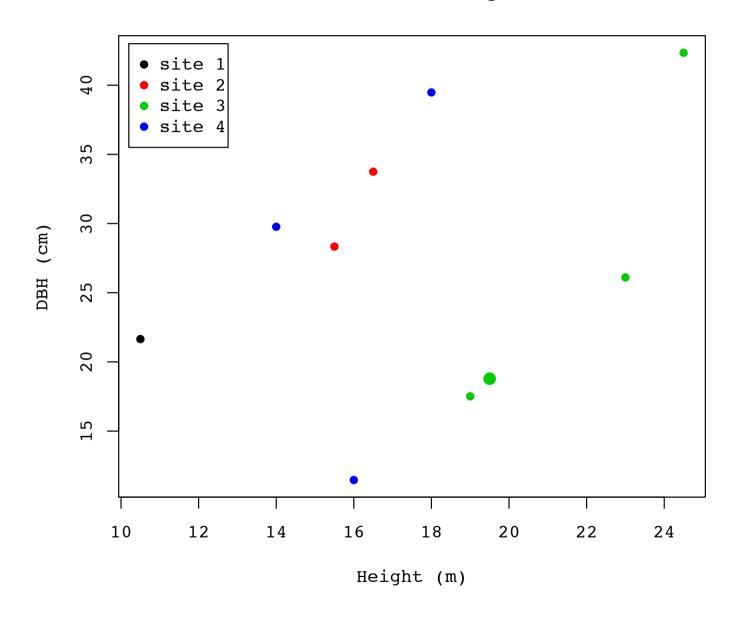


### **RESULTS**



## **RESULTS**

#### Diameter ~ height



#### DISCUSSION

Few samples

No random samples

 Site parameters should be measured (annual precipitation, soil horizon, soil type)

