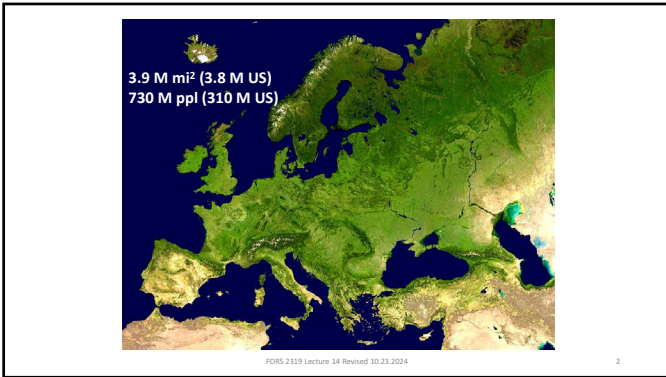
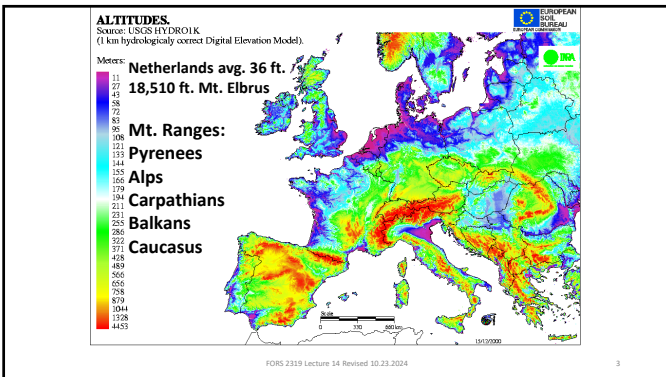




Dendrology
FORS 2319
Instructor: Dr. Jeremy Stovall
Lecture 14:
Trees of Europe





Climate



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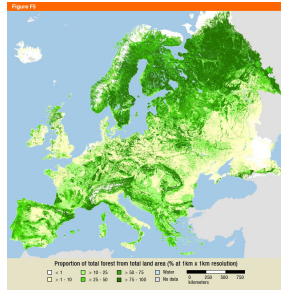
4

Forested Area

~2 M mi² forested
~50% land area

Heavily impacted,
but aggrading

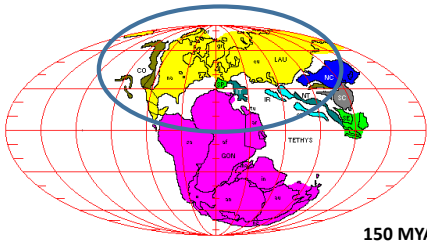
Restricted mostly to:
Urban forests
Mountains
Non-ag land
Remote areas



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5

Why are genera mostly same as ours?



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6

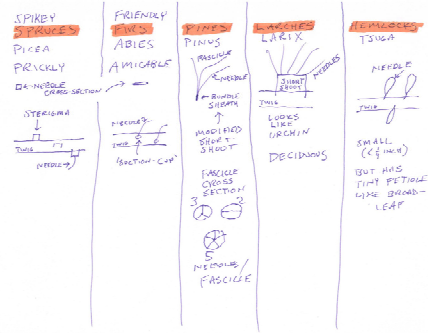
Norway spruce
Pinaceae *Picea abies*



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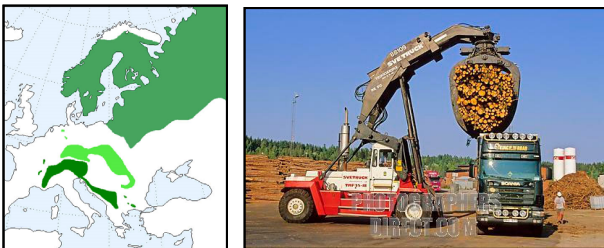
Conifer
Needles



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Norway spruce
Pinaceae *Picea abies*




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Norway spruce
Pinaceae *Picea abies*

- Oldest living tree →
- On 3000 ft mt in Sweden
- Stem only 600 years old
 - 13 ft tall
- Roots 9550 years old
 - Carbon dated
 - Stem dies, roots sprout
 - Repeat as needed




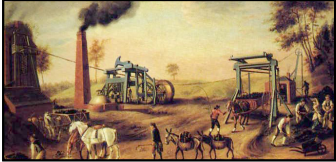
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Scots pine
Pinaceae *Pinus sylvestris*



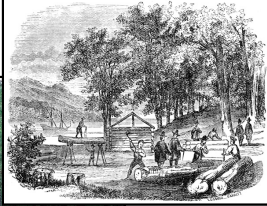
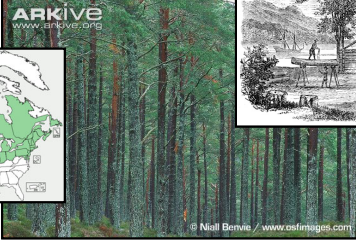

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Scots pine
Pinaceae *Pinus sylvestris*



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Scots pine
Pinaceae *Pinus sylvestris*



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Scots pine
Pinaceae *Pinus sylvestris*

40-year-old Scot's pine seed orchard in Jilin Province, China, underplanted with Korean spruce

Endangered 'Beauty Pine' in China; a local provenance of *P. sylvestris*





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Austrian pine
Pinaceae *Pinus nigra*



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Austrian pine
Pinaceae *Pinus nigra*




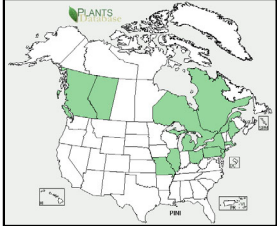
©2004 Gary Foxness

WFSM

The distribution map showing the natural distribution area of *Pinus nigra* was compiled by members of the EUROFORIS Network.
Global Distribution map of Black pine (*Pinus nigra*) EUROFORIS 2001, www.euroforis.org
First published online on 28 March 2009. Updated on 16 July 2009

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Austrian pine
Pinaceae *Pinus nigra*



Diplodia Tip Blight

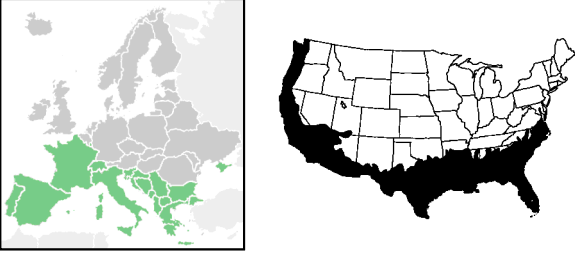
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Italian cypress
Cupressaceae *Cupressus sempervirens*



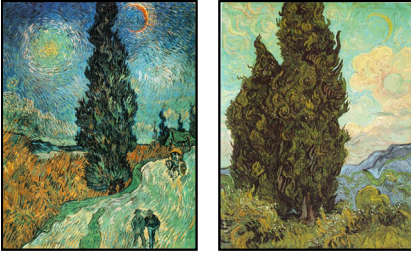
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Italian cypress
Cupressaceae *Cupressus sempervirens*




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Italian cypress
Cupressaceae *Cupressus sempervirens*



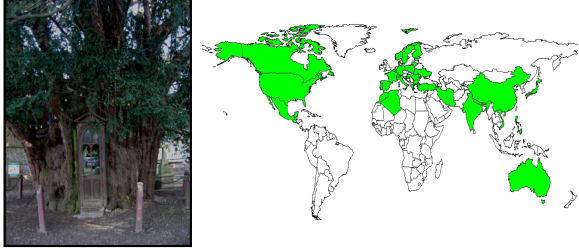
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English yew
Taxaceae *Taxus baccata*




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English yew
Taxaceae *Taxus baccata*



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English yew
Taxaceae *Taxus baccata*



- ~6 feet long
- 60 – 185 lb draw weight
- 180 – 250 yd effective range
- Shoot 6 arrows per minute

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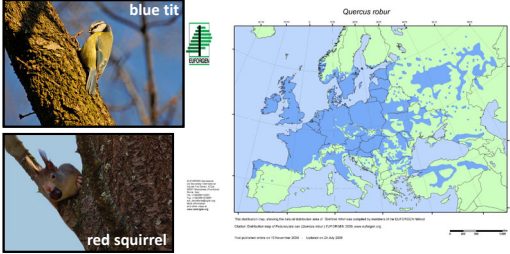
pendunculate oak
Fagaceae *Quercus robur*



© Arndt Hampe

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pendunculate oak
Fagaceae *Quercus robur*




blue tit

red squirrel

Quercus robur


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pendunculate oak
Fagaceae *Quercus robur*



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sessile oak
Fagaceae *Quercus petraea*



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sessile oak
Fagaceae *Quercus petraea*

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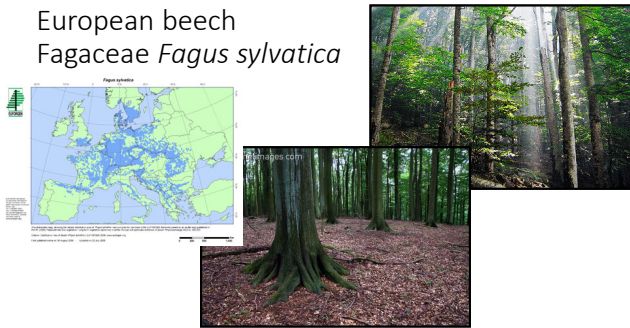
sessile oak
Fagaceae *Quercus petraea*

29

European beech
Fagaceae *Fagus sylvatica*


30

European beech
Fagaceae *Fagus sylvatica*




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European beech
Fagaceae *Fagus sylvatica*



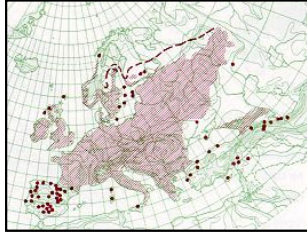
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European white birch
Betulaceae *Betula pendula*



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common hazel
Betulaceae *Corylus avellana*



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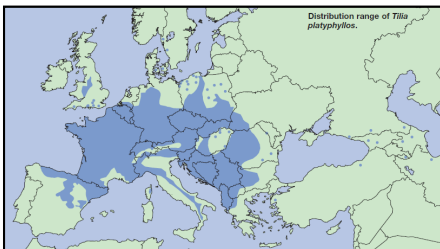
largeleaf linden
Tiliaceae *Tilia platyphyllos*



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largeleaf linden
Tiliaceae *Tilia platyphyllos*



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largeleaf linden
Tiliaceae *Tilia platyphyllos*



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littleleaf linden
Tiliaceae *Tilia cordata*



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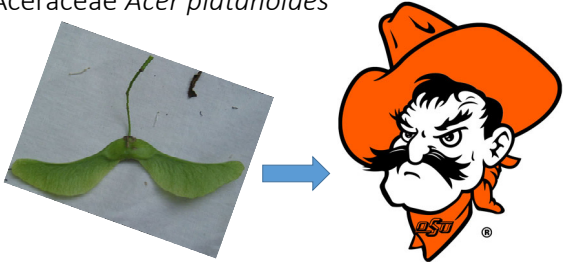
Norway maple
Aceraceae *Acer platanoides*



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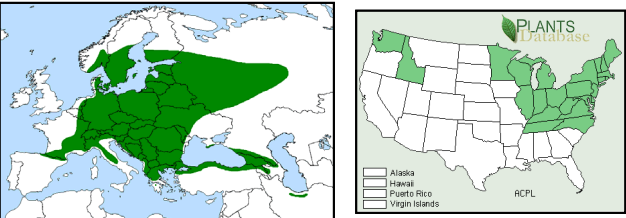
42

Norway maple
Aceraceae *Acer platanoides*




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Norway maple
Aceraceae *Acer platanoides*



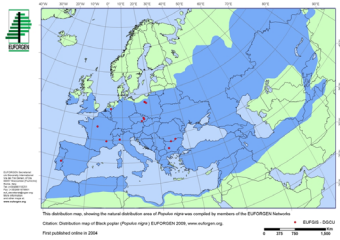
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Lombardy poplar
Salicaceae *Populus nigra*



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Lombardy poplar
Salicaceae *Populus nigra*



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Lombardy poplar
Salicaceae *Populus nigra*



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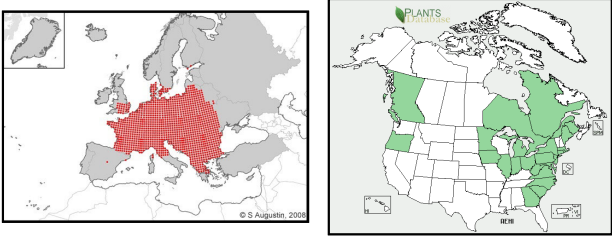
horse chestnut
Hippocastanaceae *Aesculus hippocastanum*



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horse chestnut
Hippocastanaceae *Aesculus hippocastanum*



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horse chestnut
Hippocastanaceae *Aesculus hippocastanum*






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briar root
Ericaceae *Erica arborea*



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briar root
Ericaceae *Erica arborea*



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briar root
Ericaceae *Erica arborea*



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