

Scots Pine: A Native Irish Tree?

Alwynne McGeever & Fraser Mitchell



@AlwynneMcGeever





Talk Outline

The Story of Scots Pine in Ireland

Work in Rockforest, Co Clare

The Story of Scots Pine in Ireland*

***with a new footnote!**

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12'000 years ago

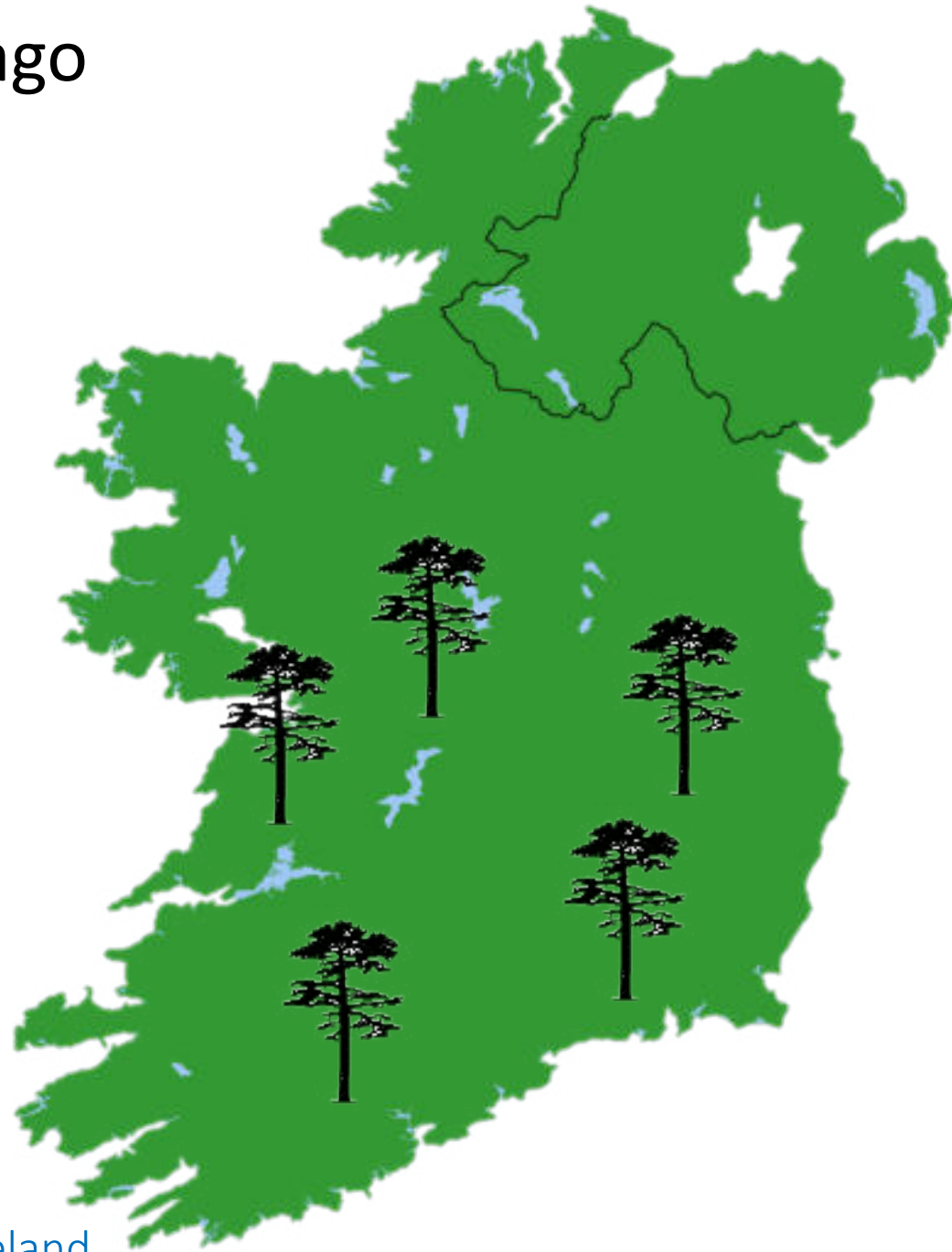


9500 years ago



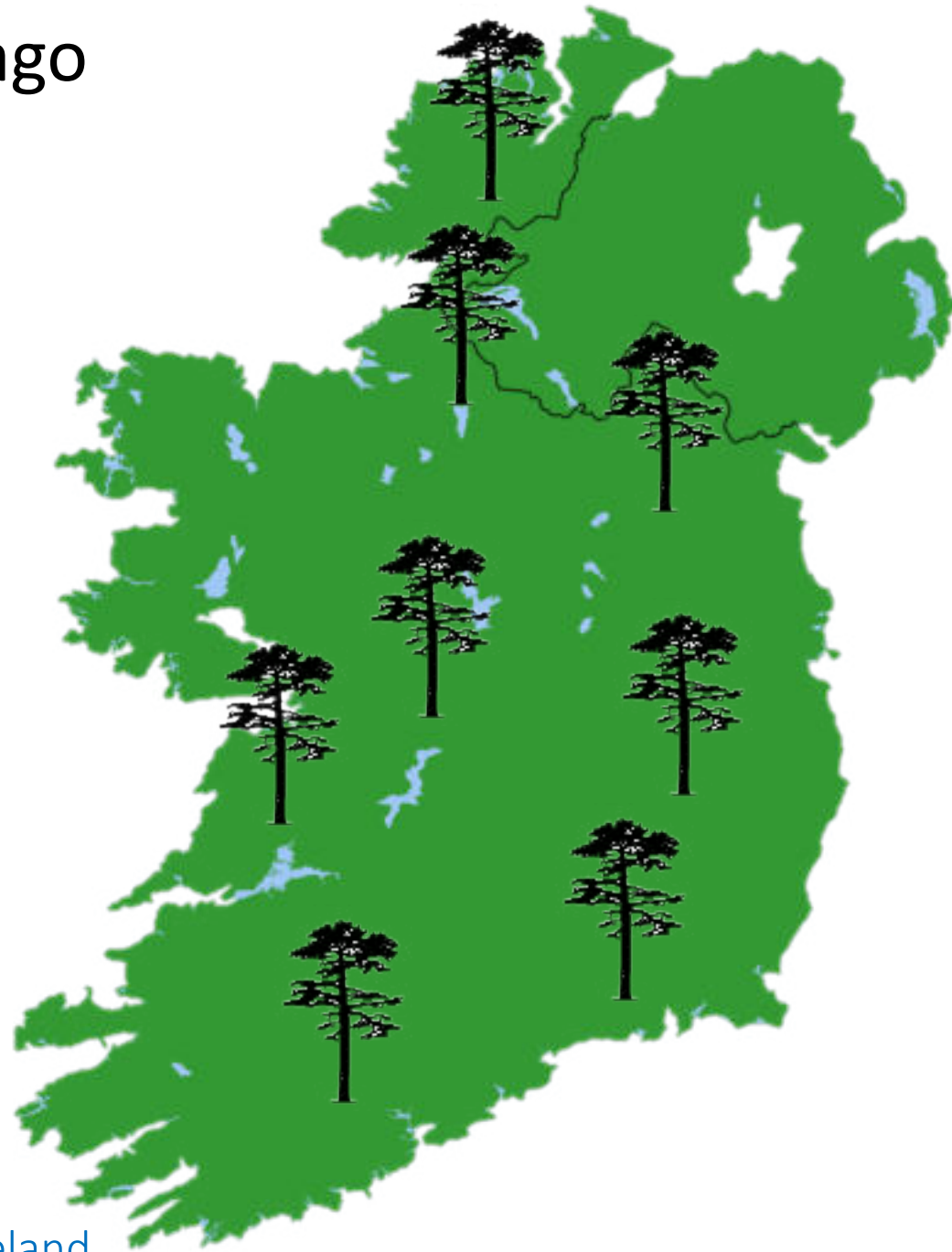
The Story of Pine in Ireland

8000 years ago



The Story of Pine in Ireland

7500 years ago



The Story of Pine in Ireland

4000 years ago



The Story of Pine in Ireland

1500 years ago



The Story of Pine in Ireland

200 years ago



The Story of Pine in Ireland

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*with a new footnote!

Did Scots Pine really go extinct?



**Aim:
To investigate
the history of
the Pine
population in
Rockforest Co.
Clare**

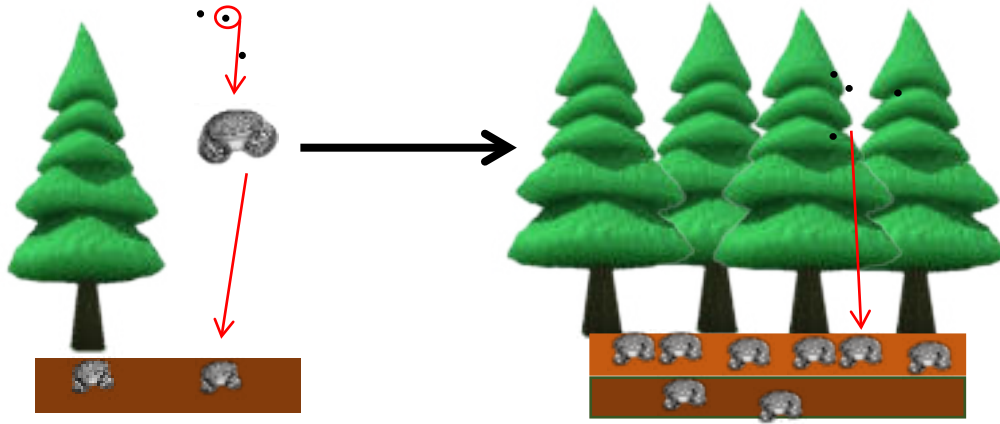
How do you figure out the history of a tree population?



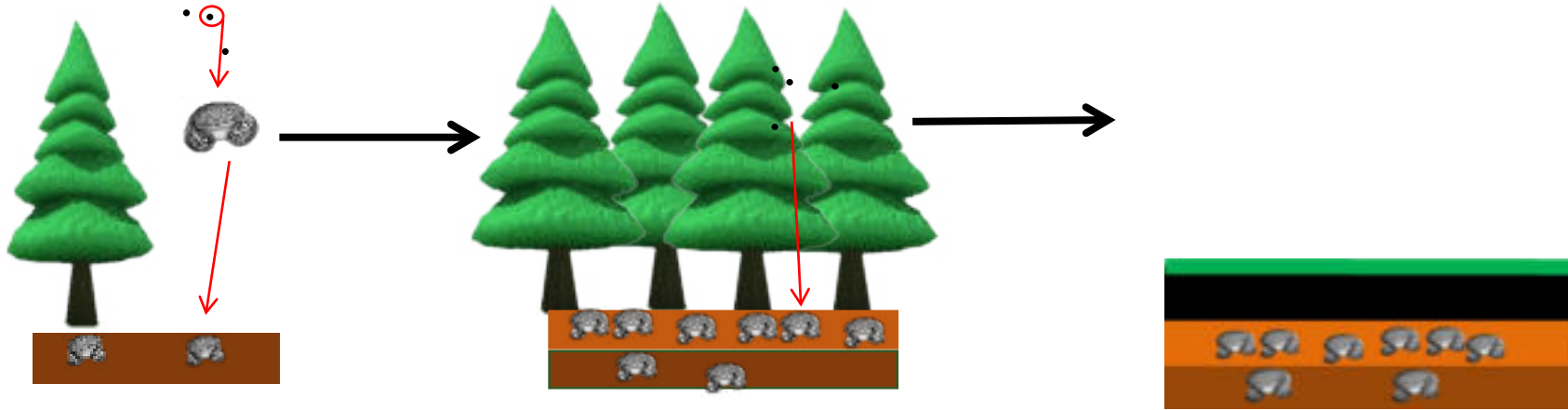
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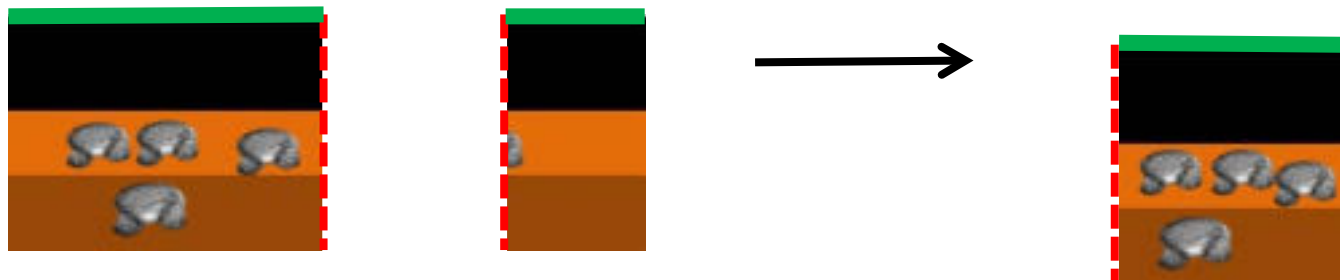
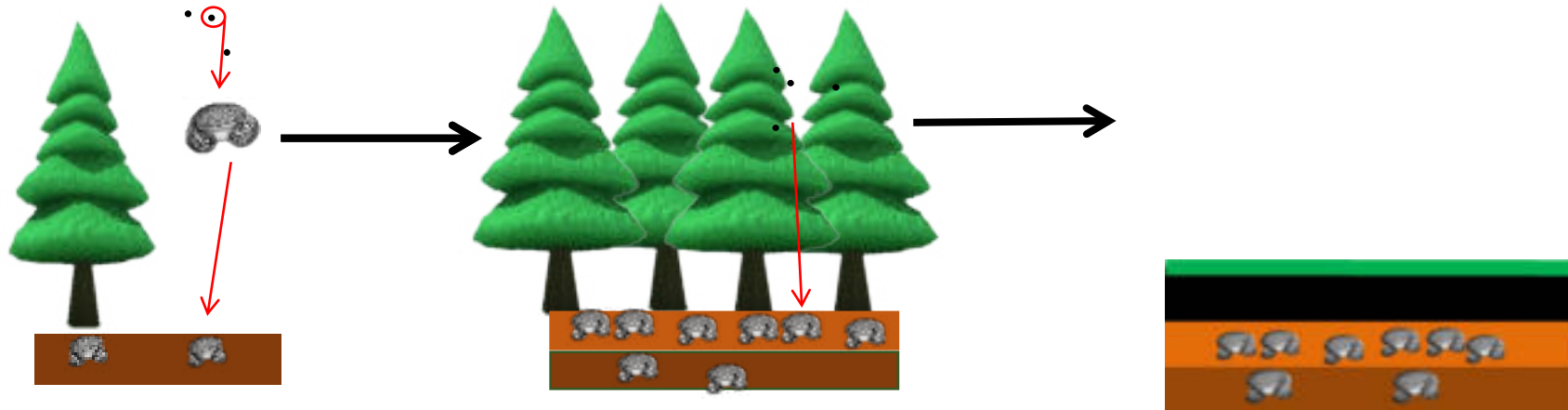
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How do you figure out the history of a tree population?



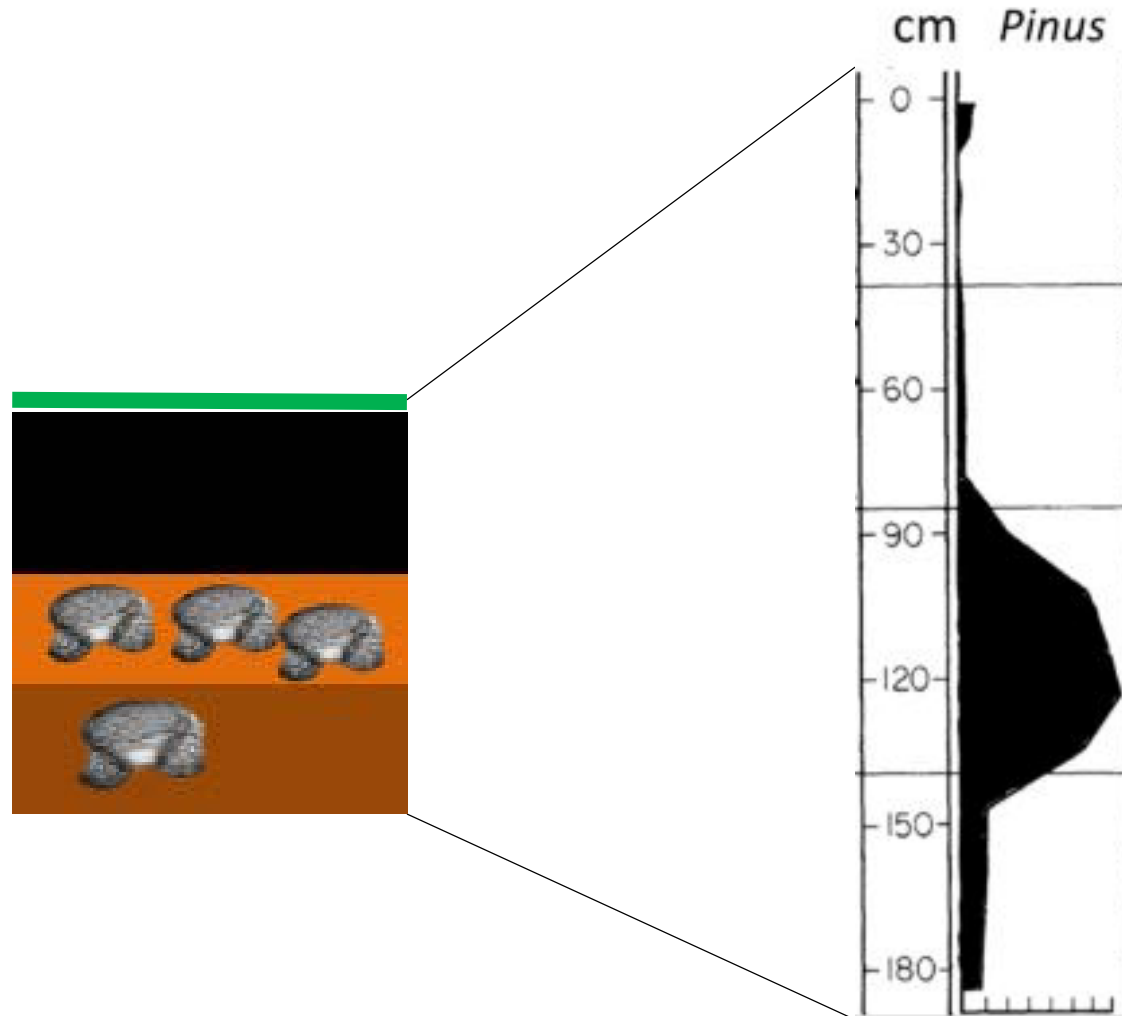
How do you figure out the history of a tree population?



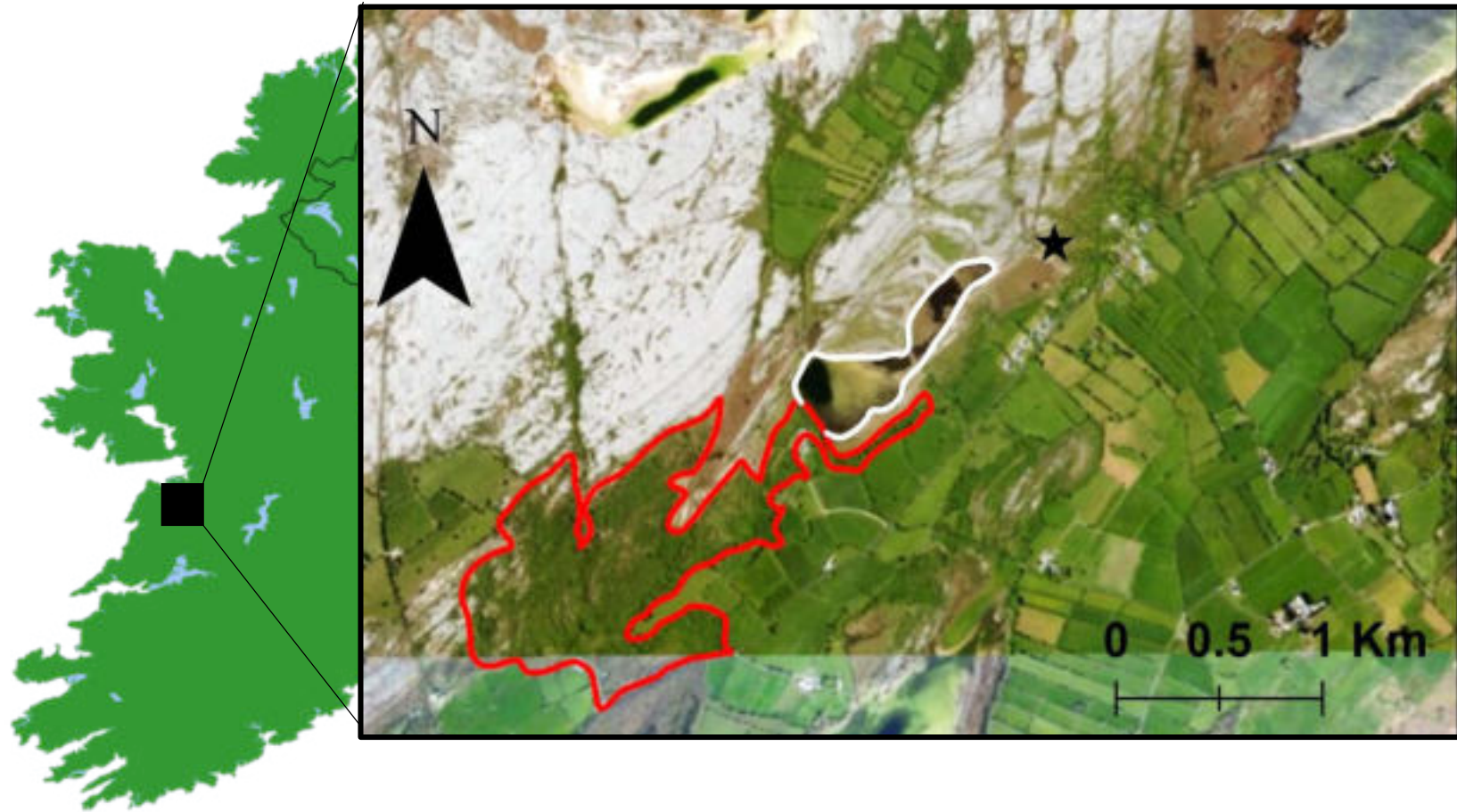
The Story of Pine in Ireland

Rockforest, Co. Clare

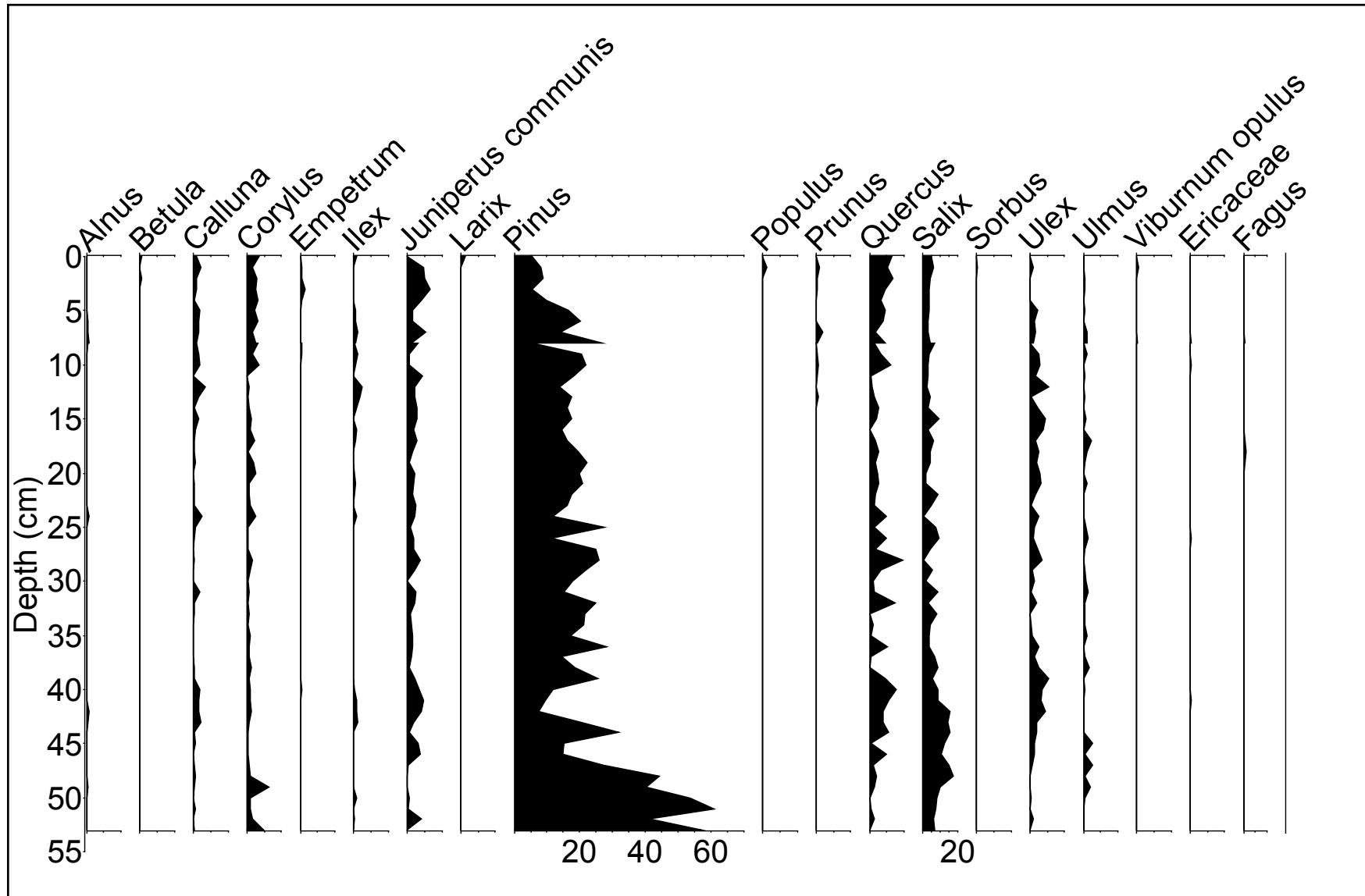
Core turns into a pollen diagram



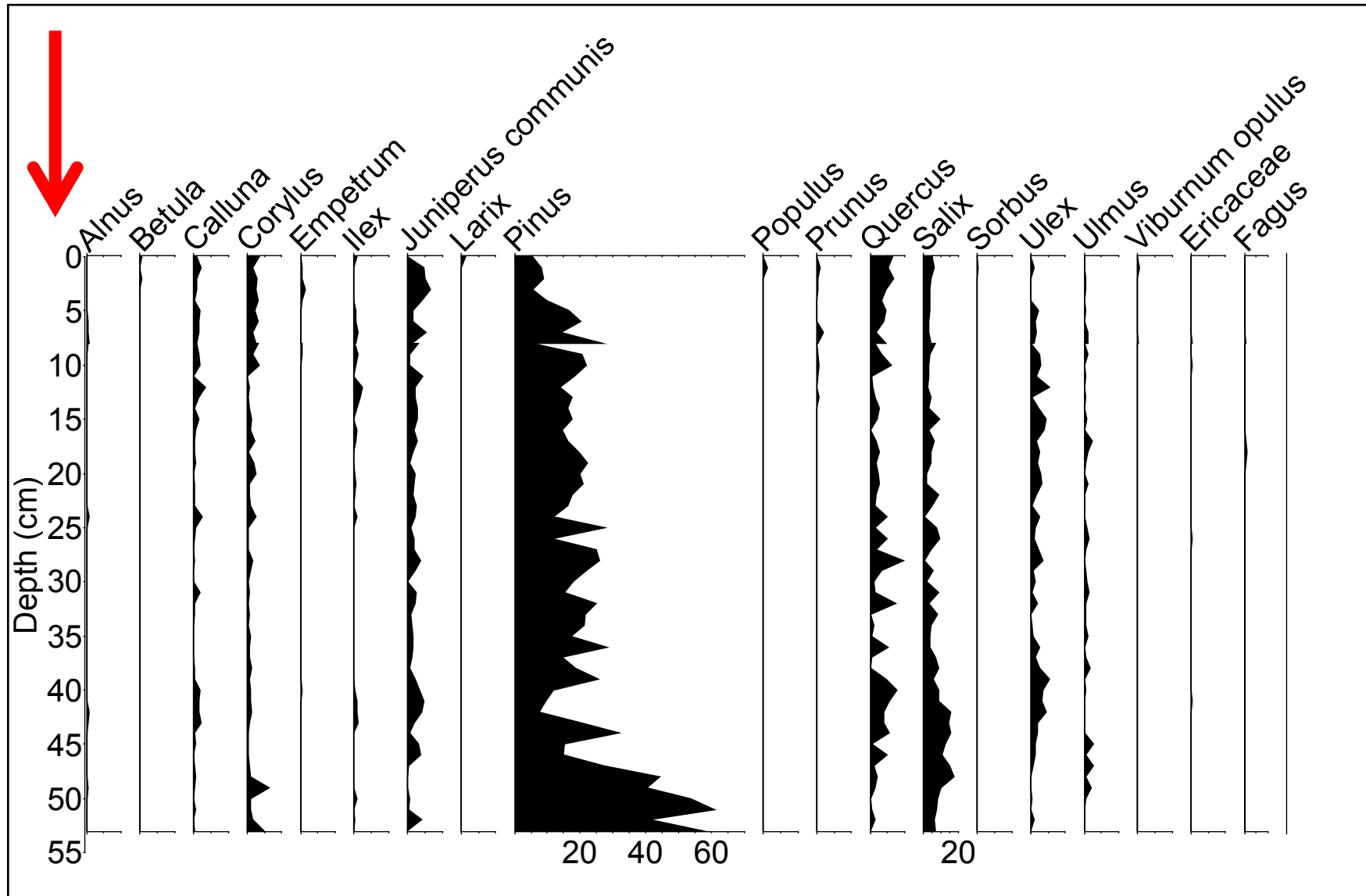
Rockforest Core Site



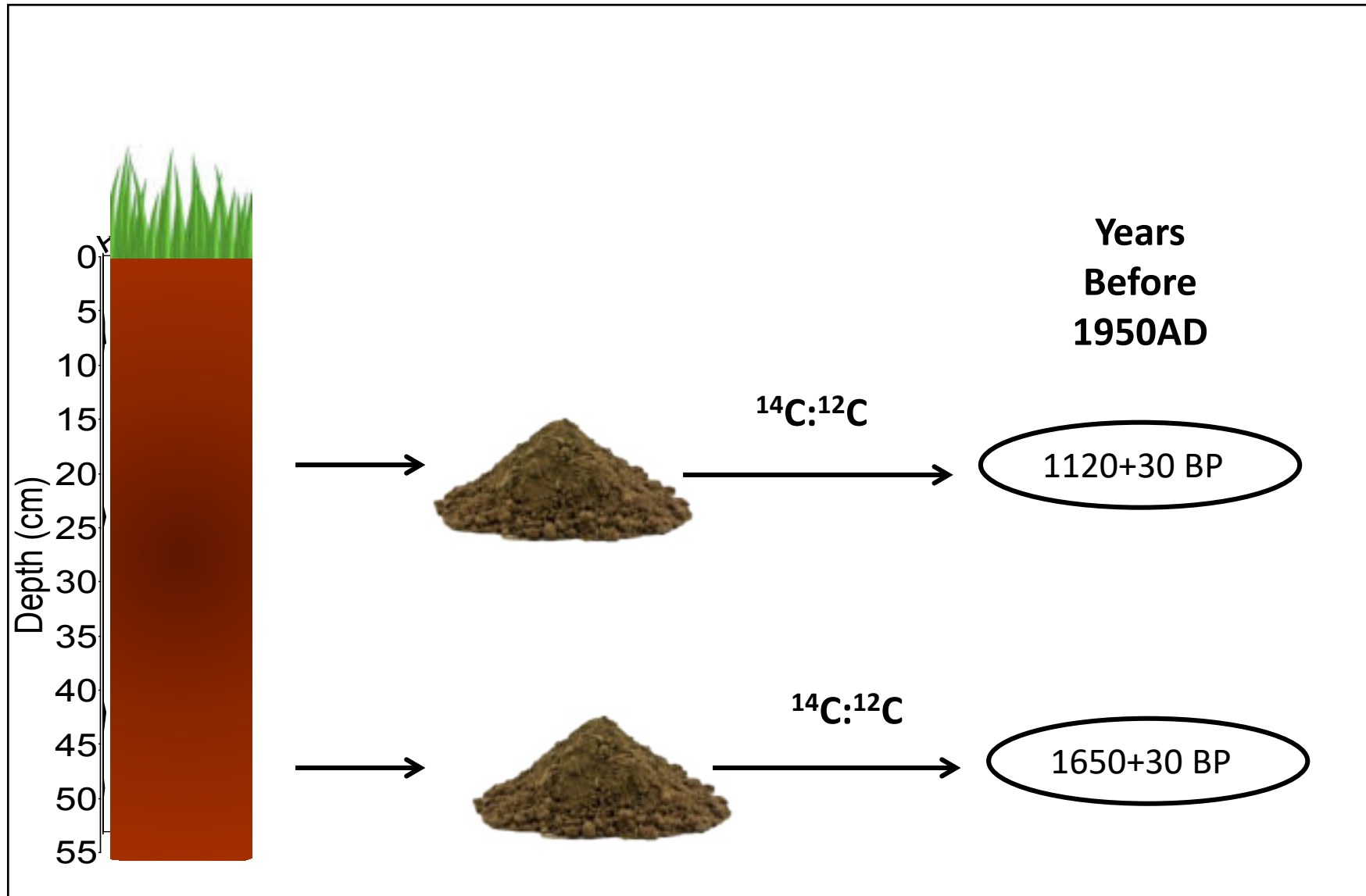
Pollen Diagram from Rockforest



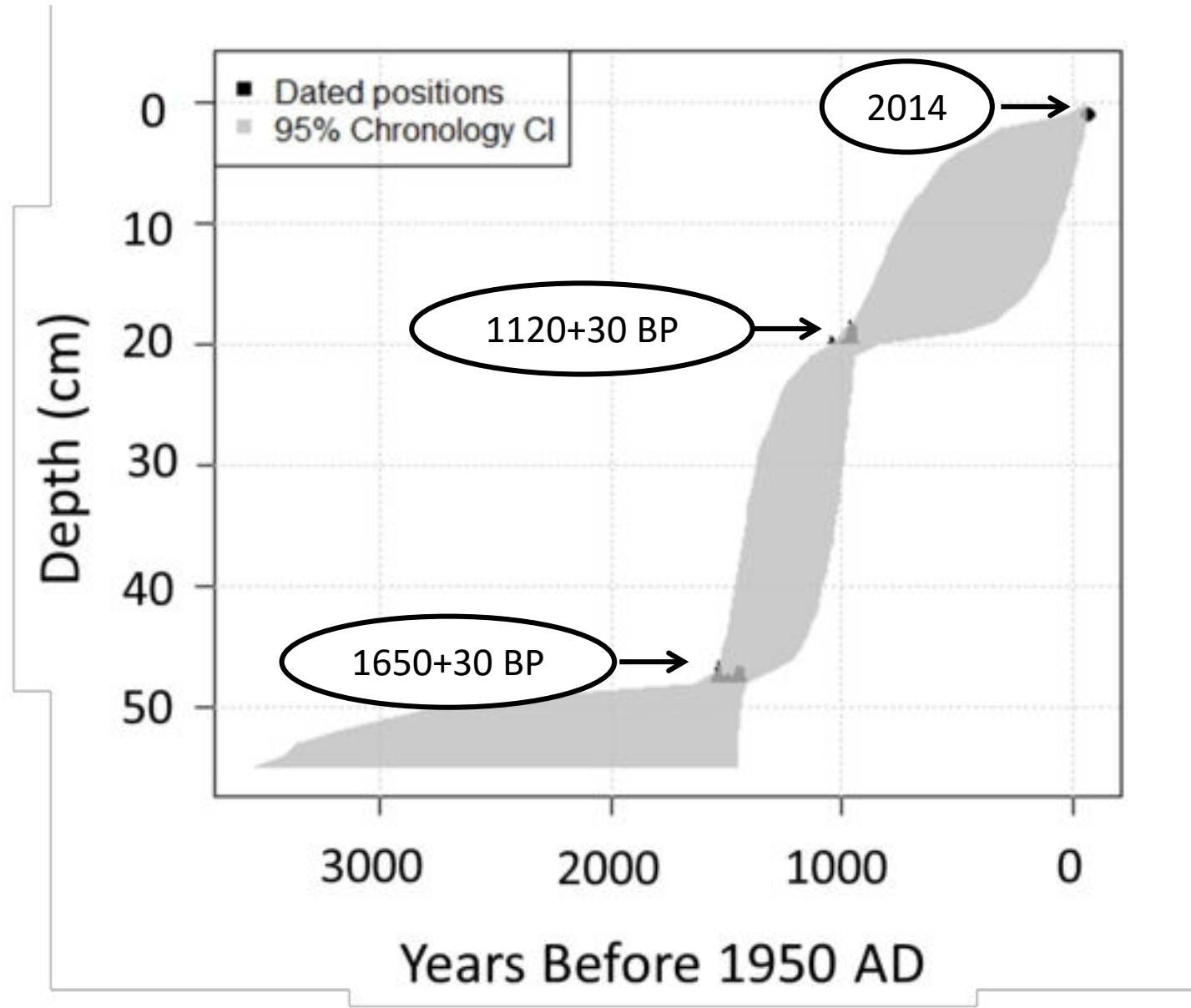
Pollen Diagram: Depth to Date



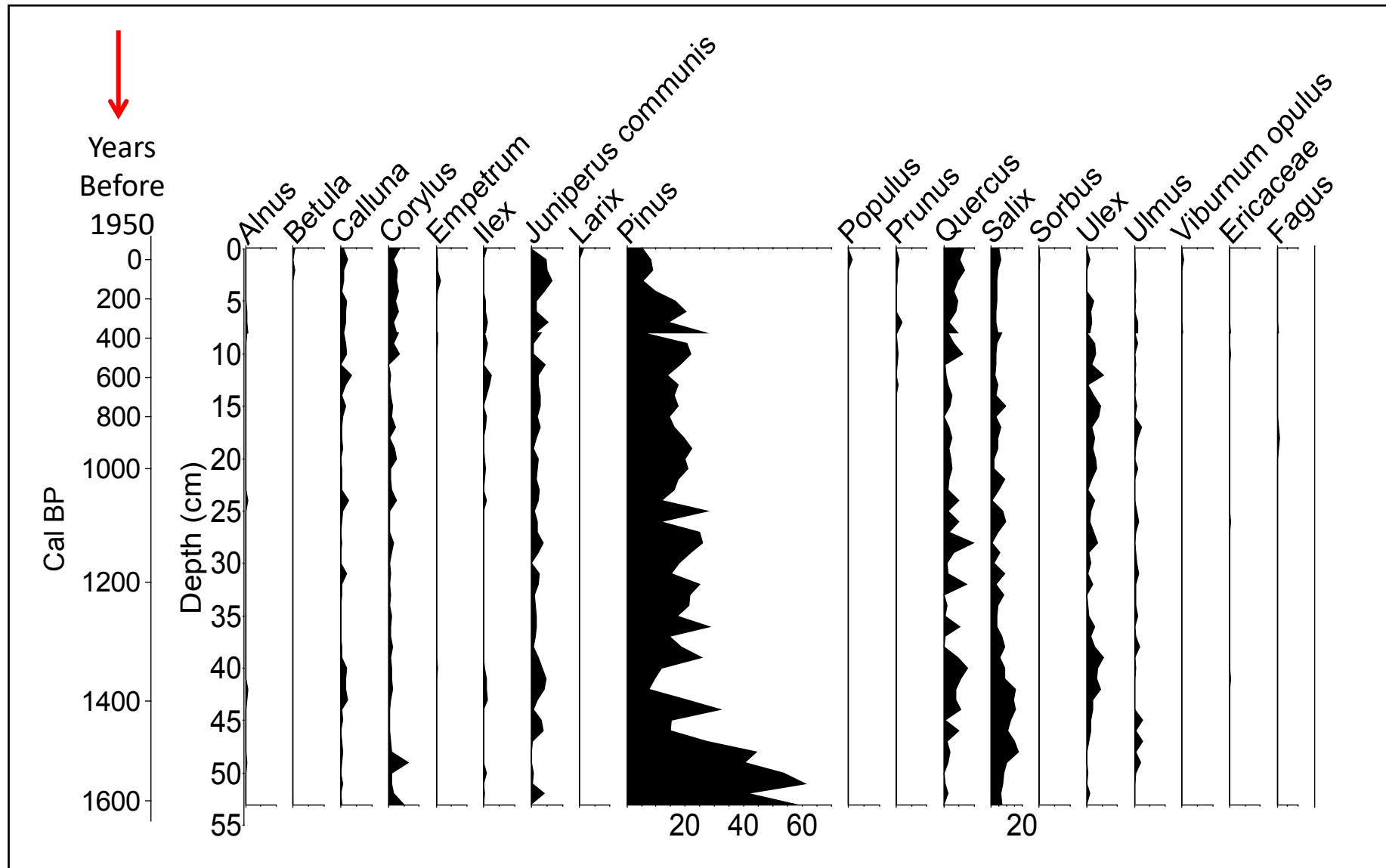
Radiocarbon Dating



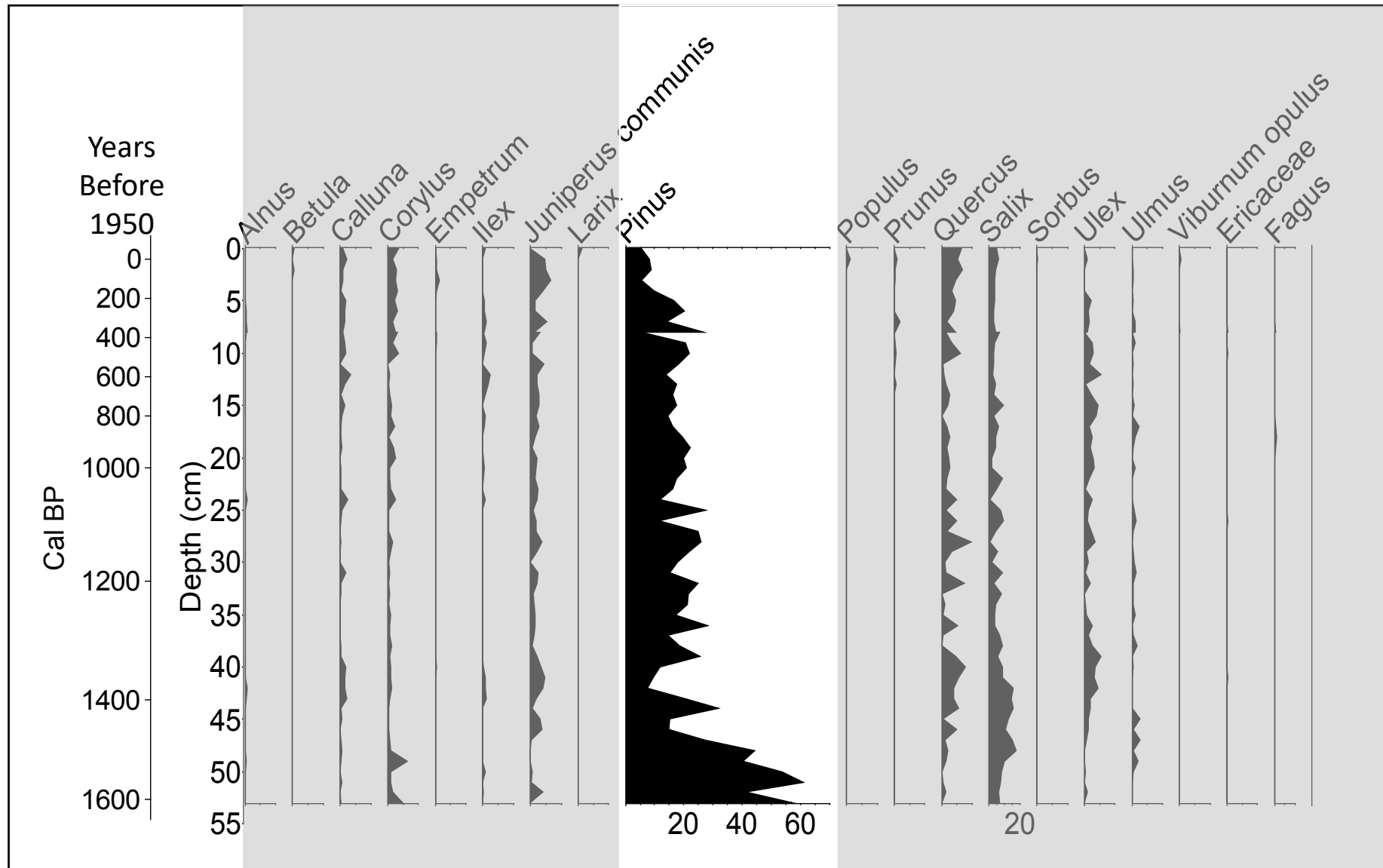
A Chronology using 'Bchron'



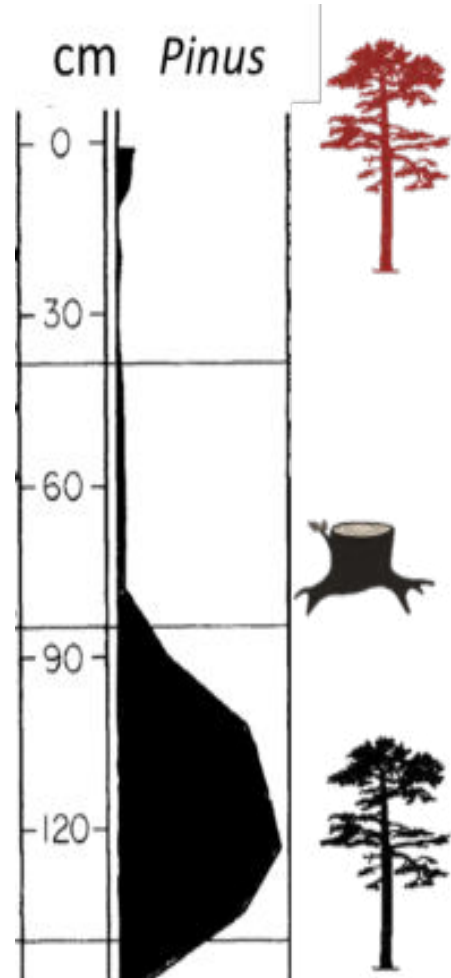
Pollen Diagram from Rockforest



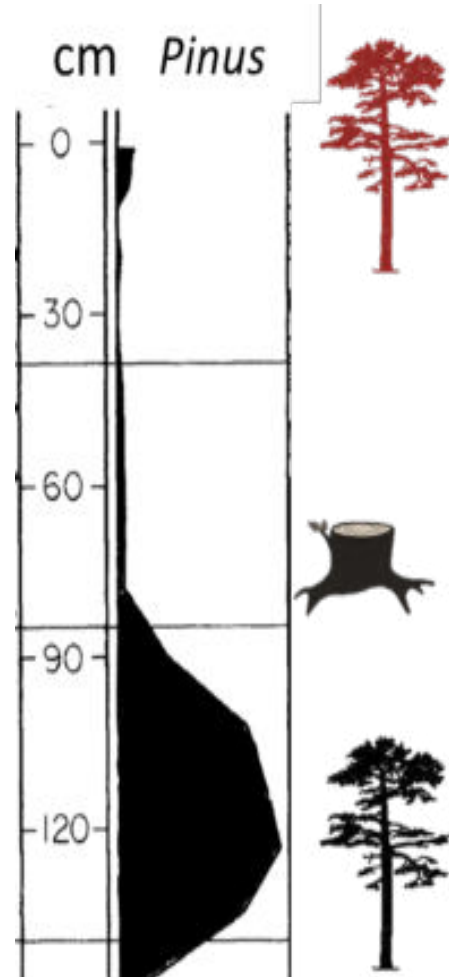
Pollen Diagram from Rockforest



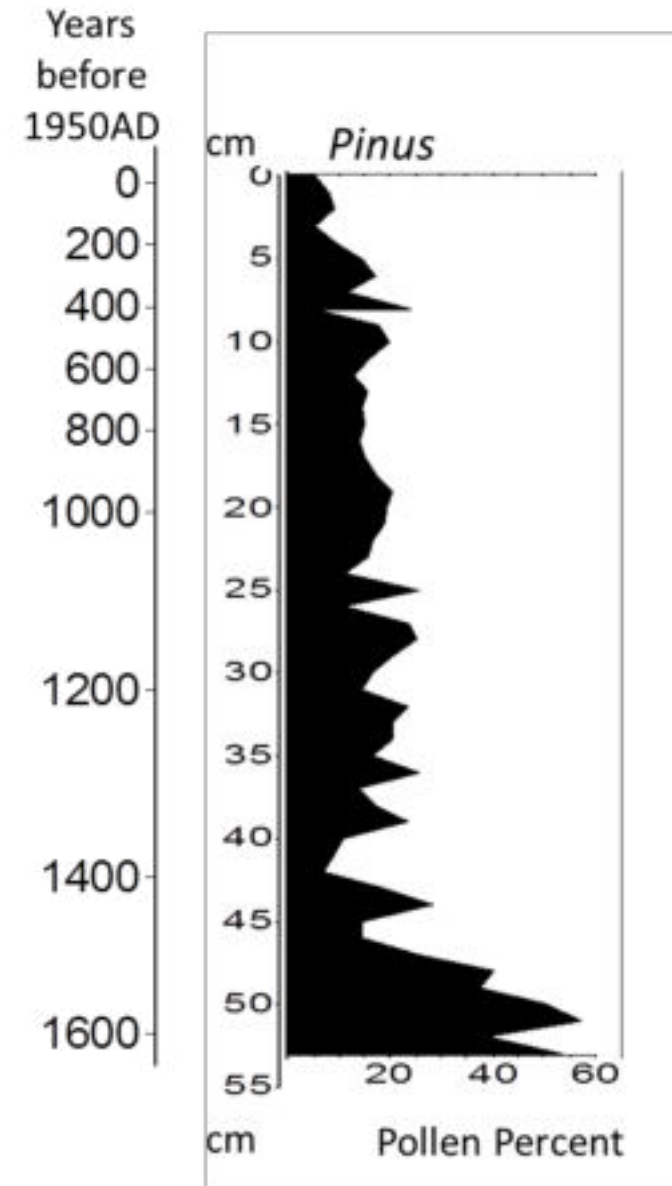
A 'normal' Irish Pine pollen curve (Mitchell 1988)



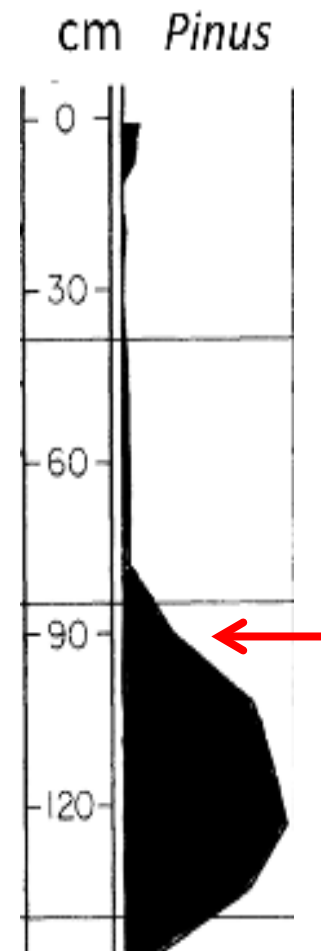
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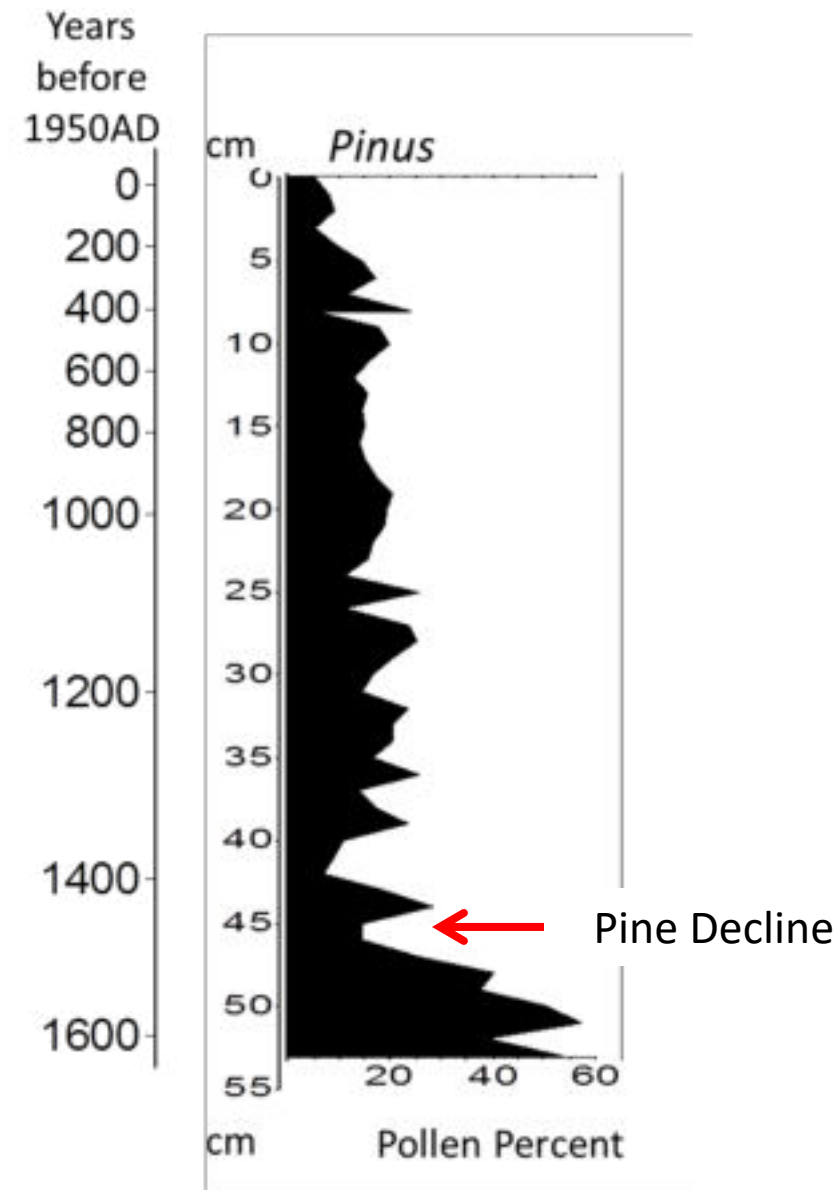
Rockforest's Pine Pollen curve



Rockforest's Pine Pollen curve

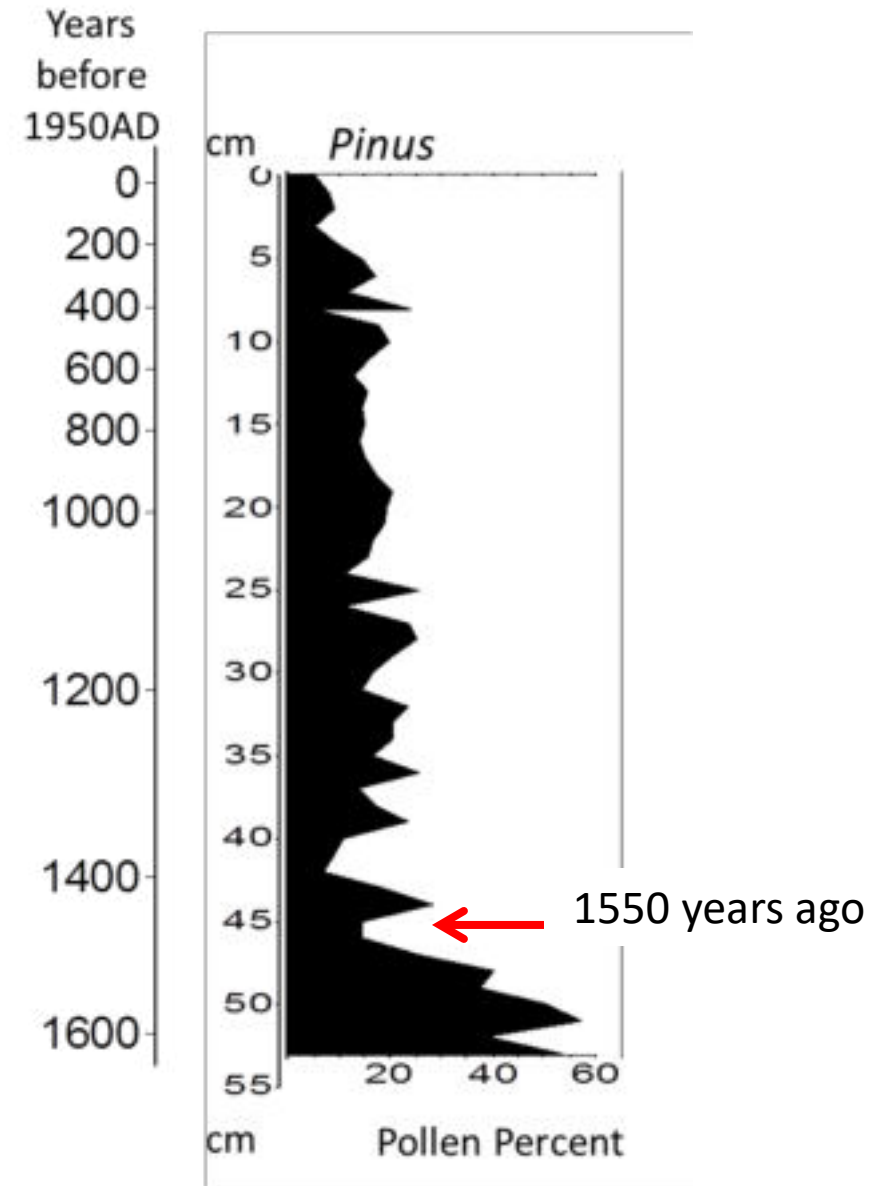
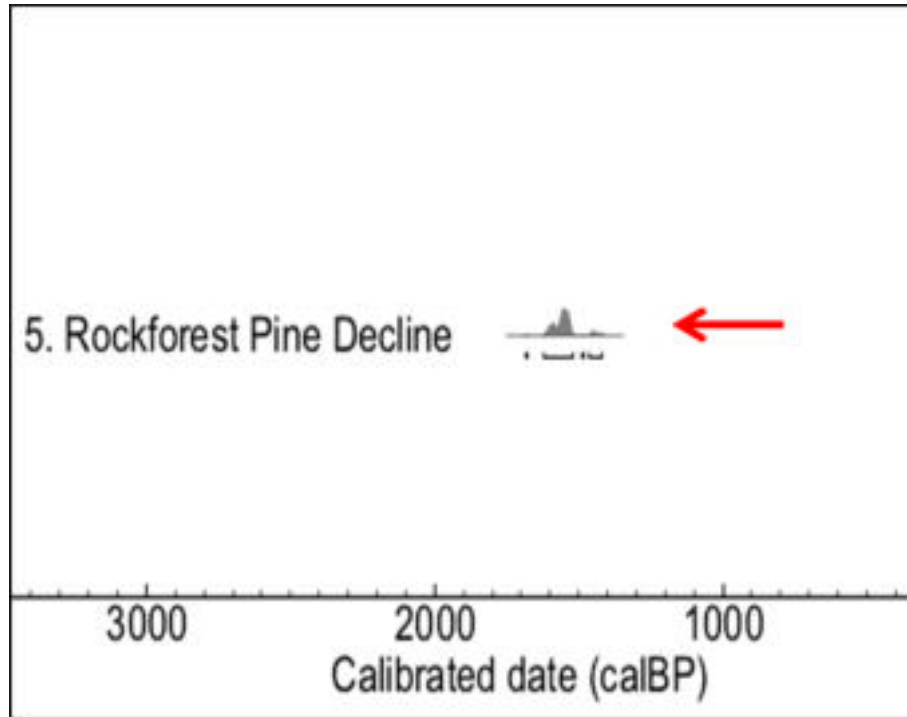


The Story of Pine in Ireland

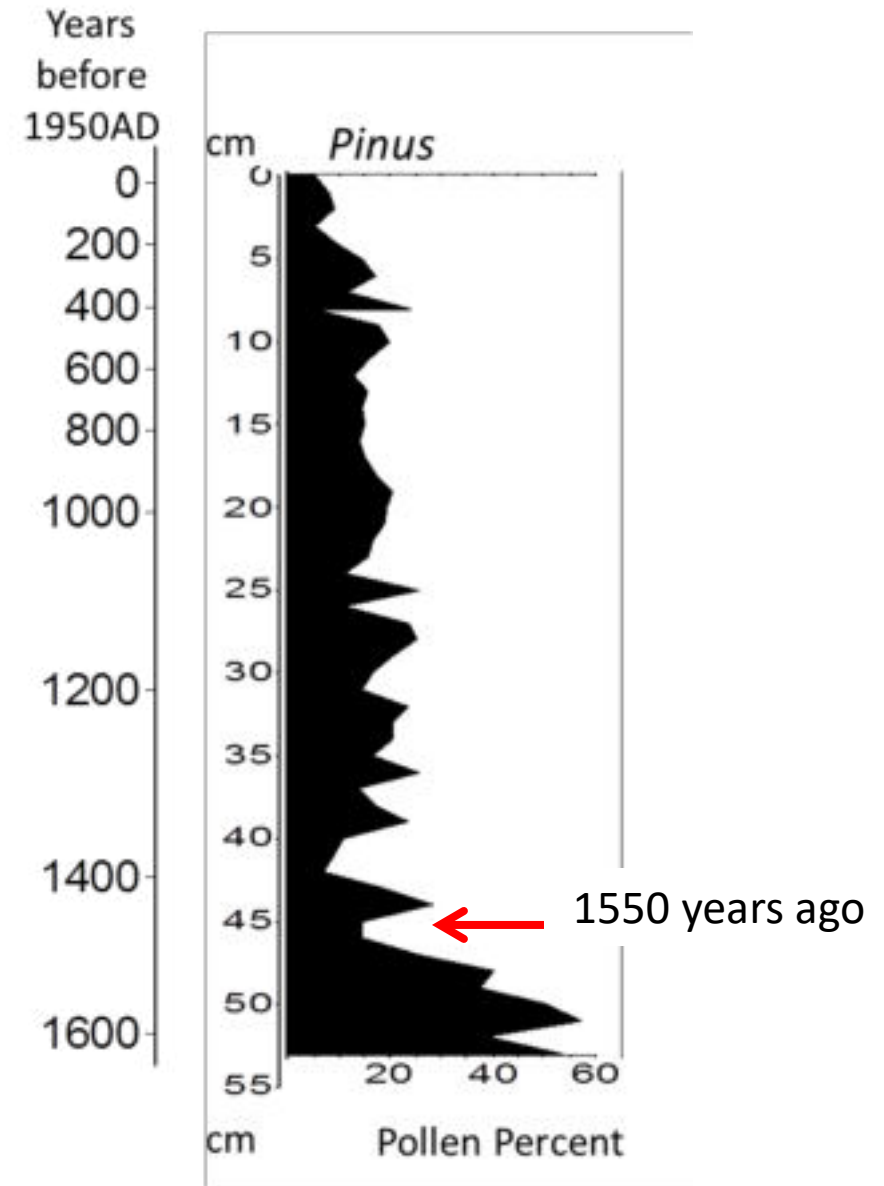
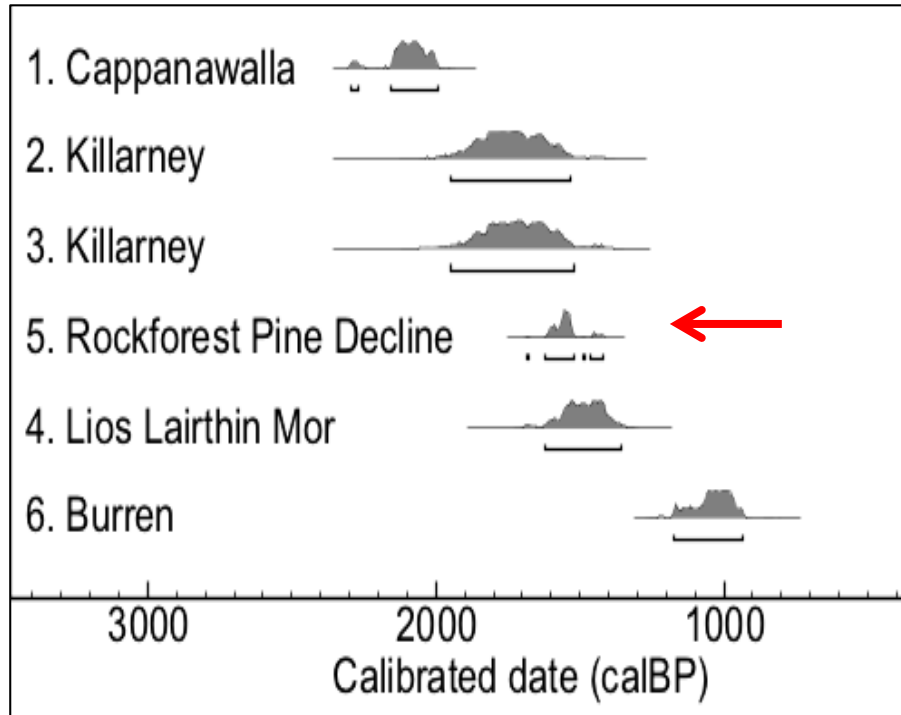


Rockforest, Co. Clare

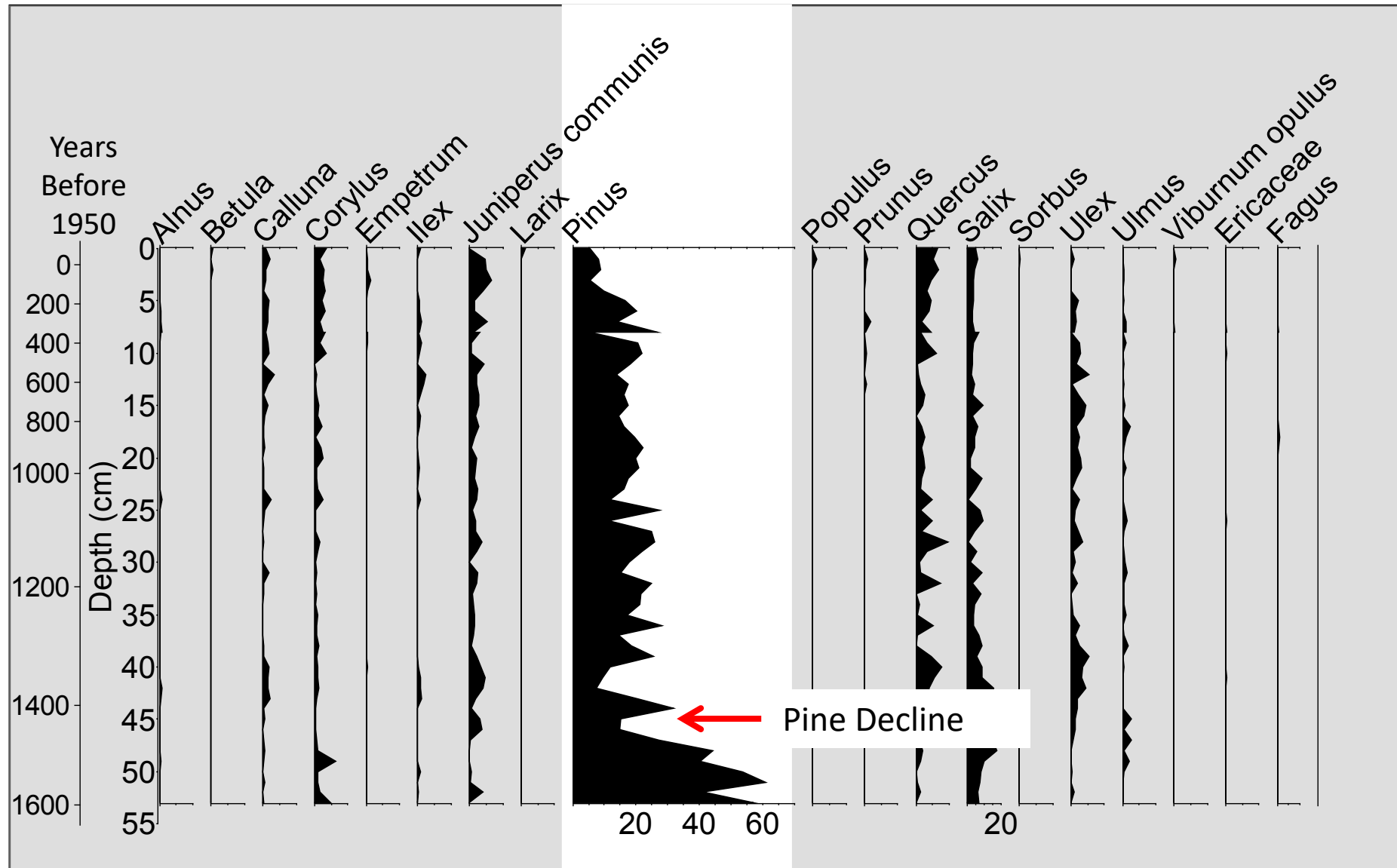
Timing of the Pine Decline



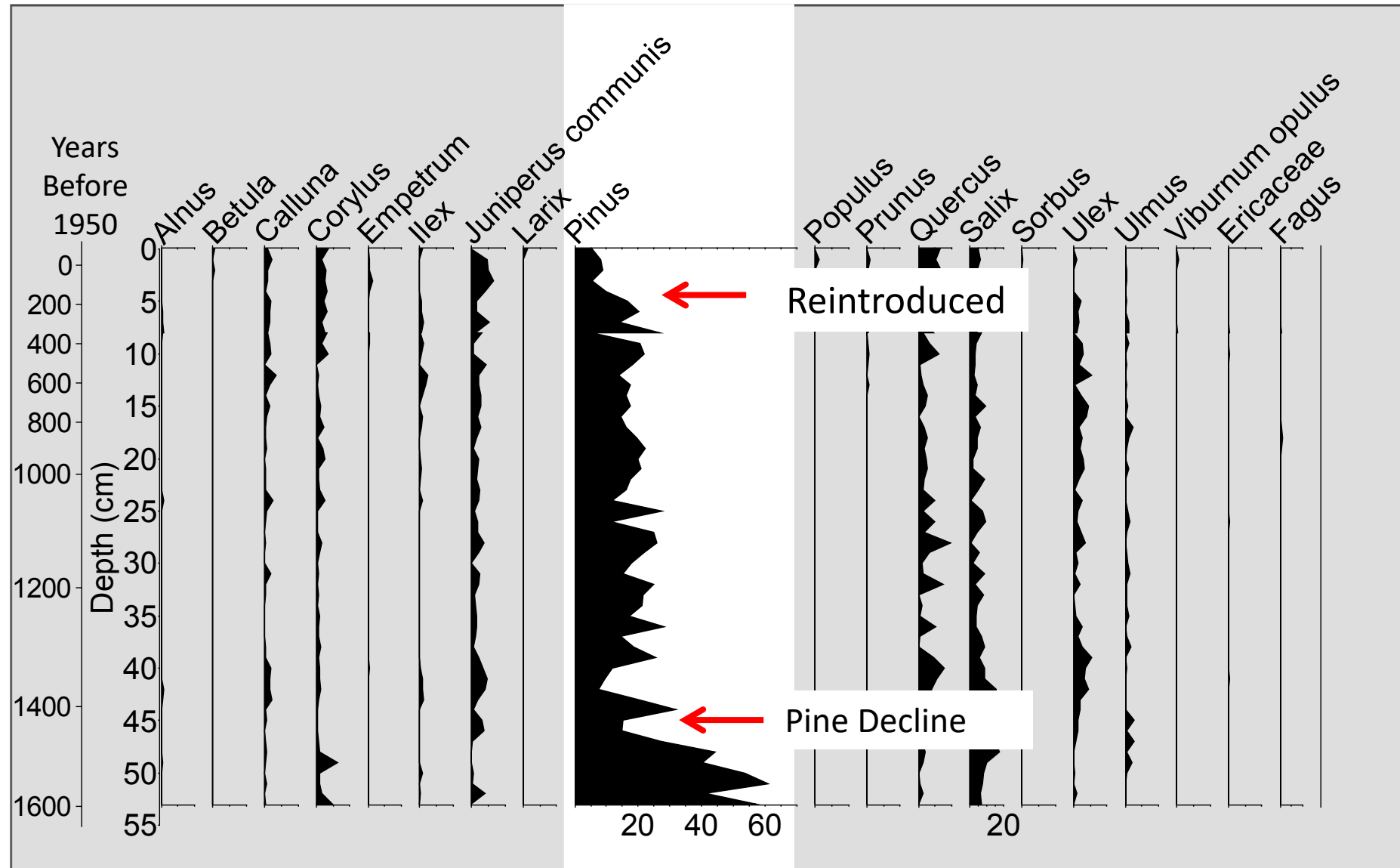
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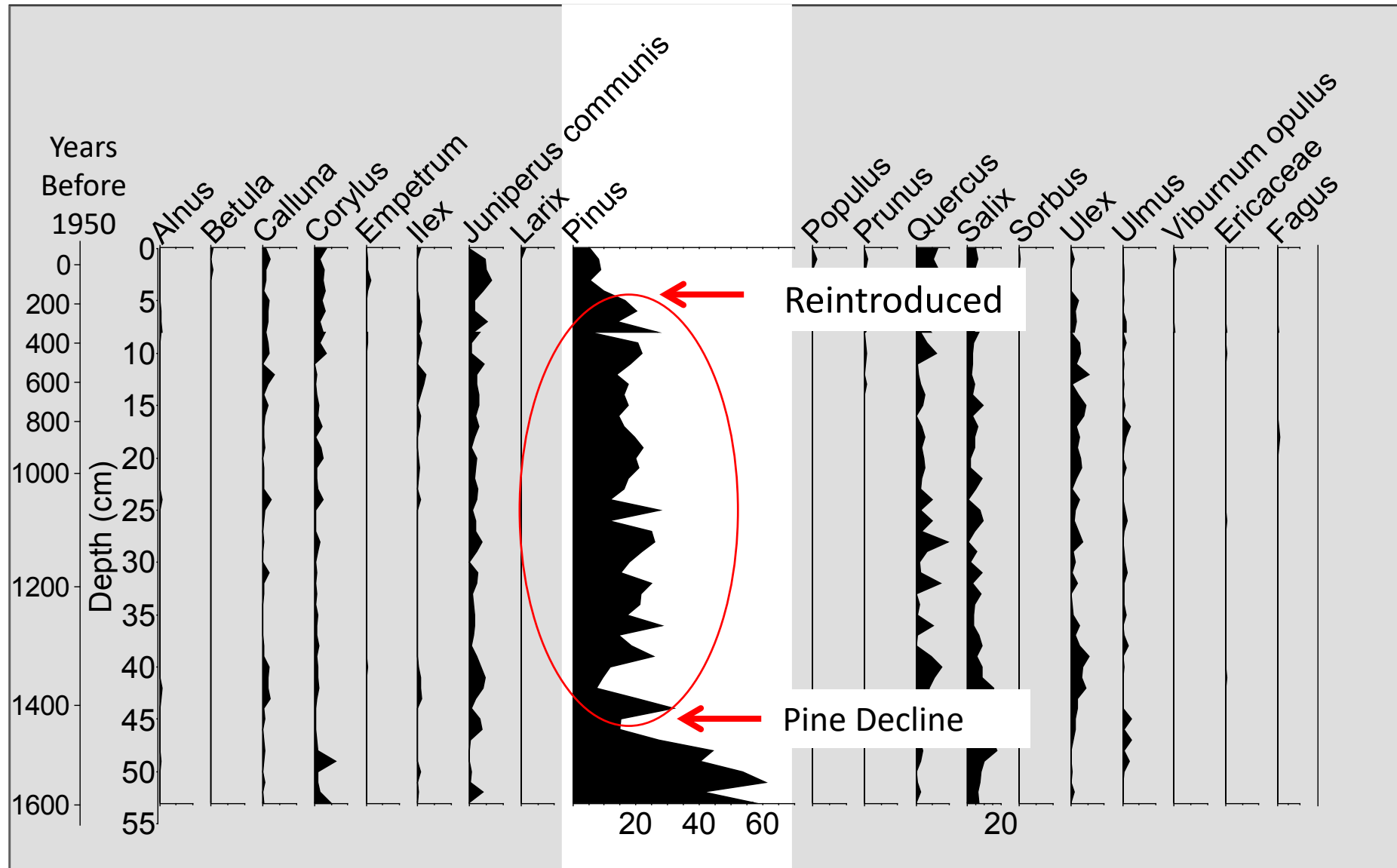
Pollen Diagram from Rockforest



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Talk Outline

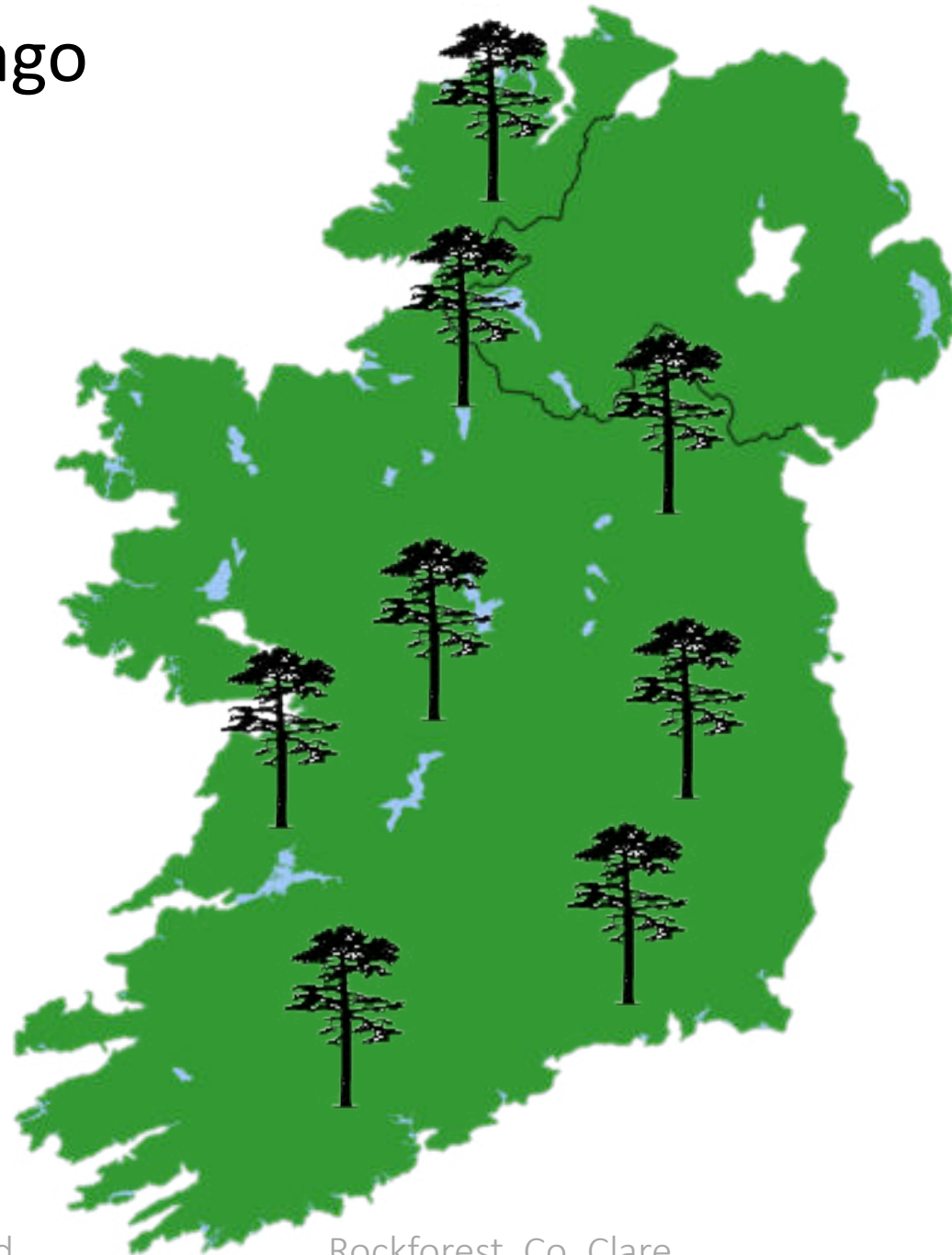
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4000 years ago



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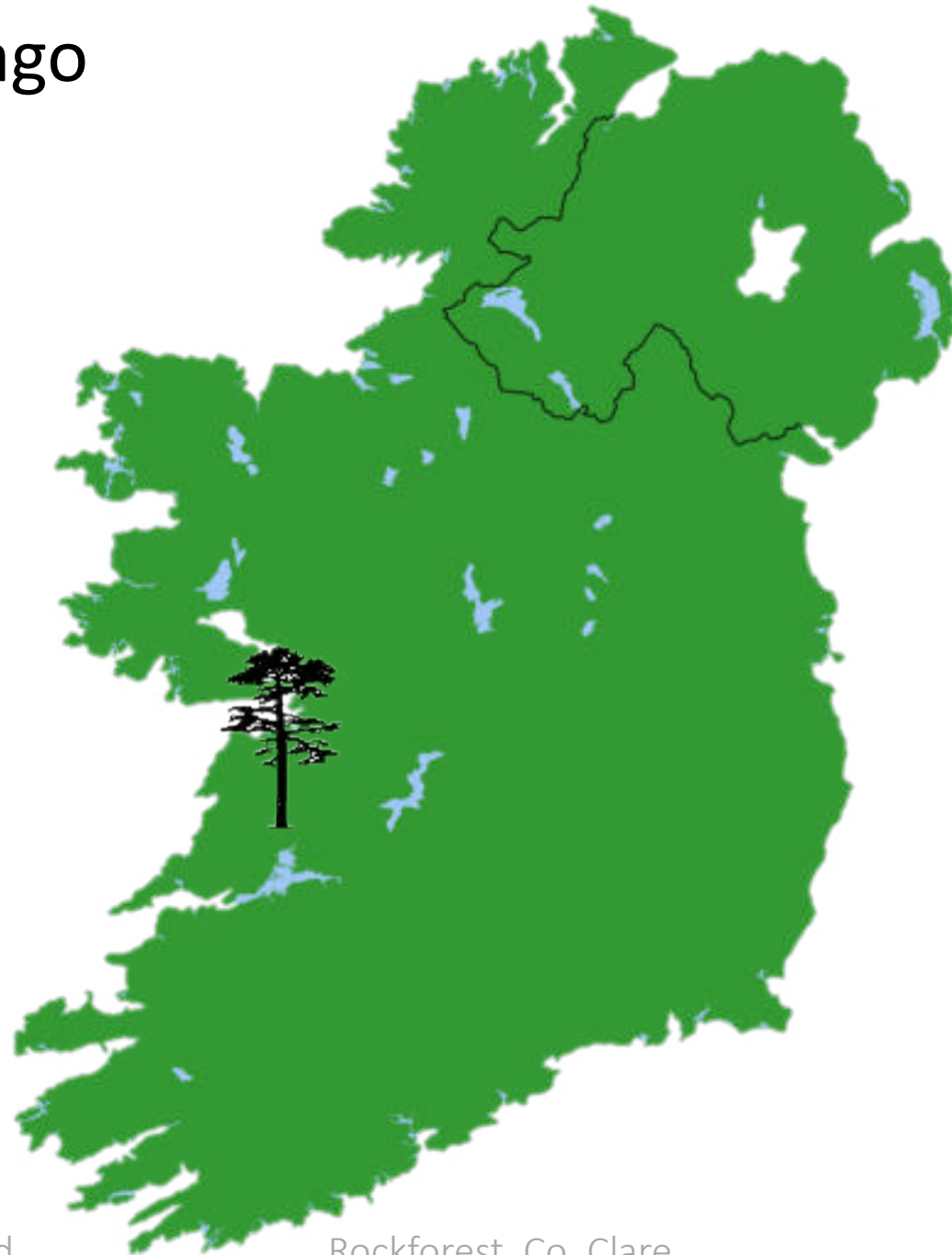


Rockforest, Co. Clare

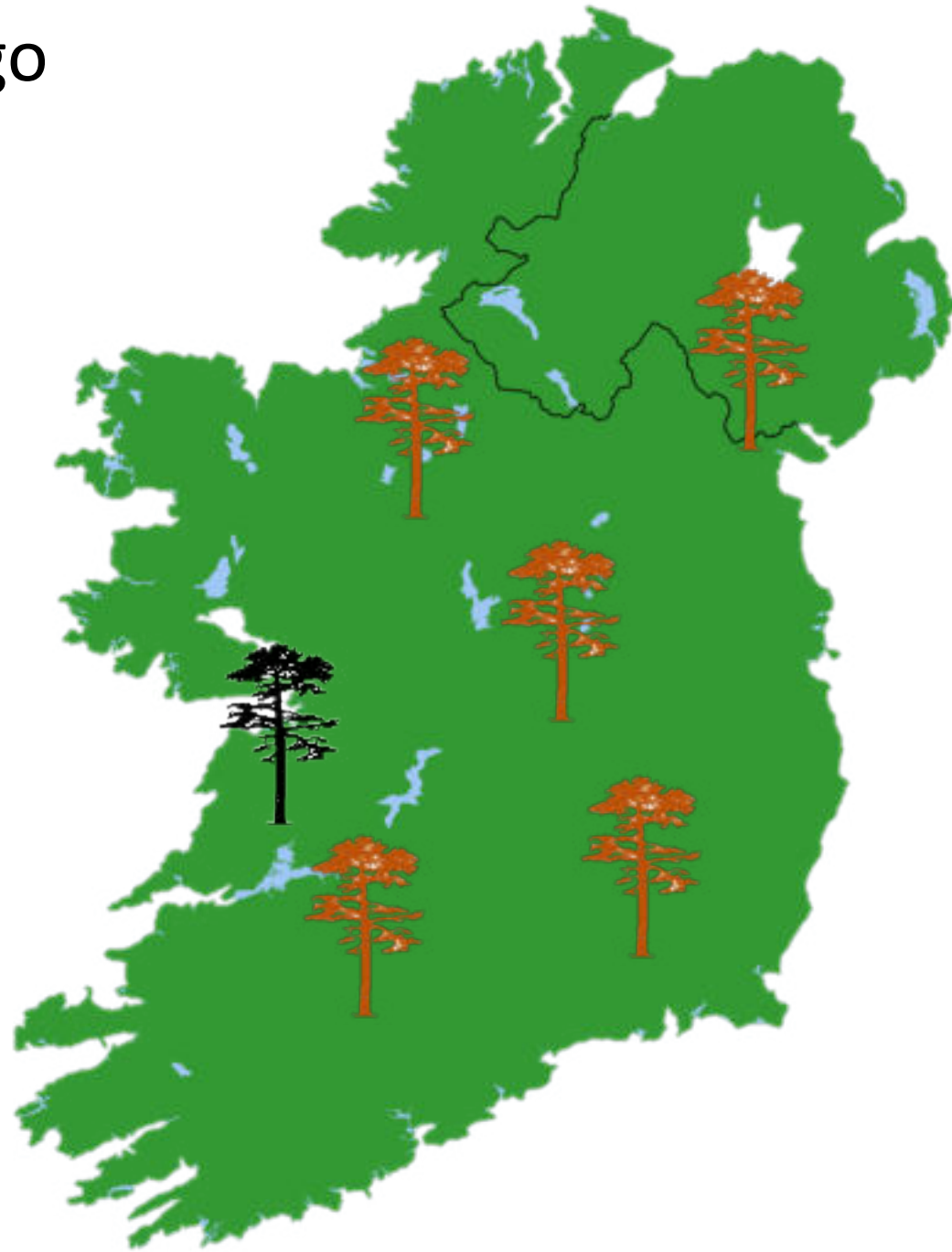


A New Footnote

1500 years ago



200 years ago



Today



The Story of Pine in Ireland

Rockforest, Co. Clare

A New Footnote



Conclusion

The population of **Scots Pine** in Rockforest, Co. Clare is a **native** population, persisting through the pine decline and independent of the 18th century reintroduction.



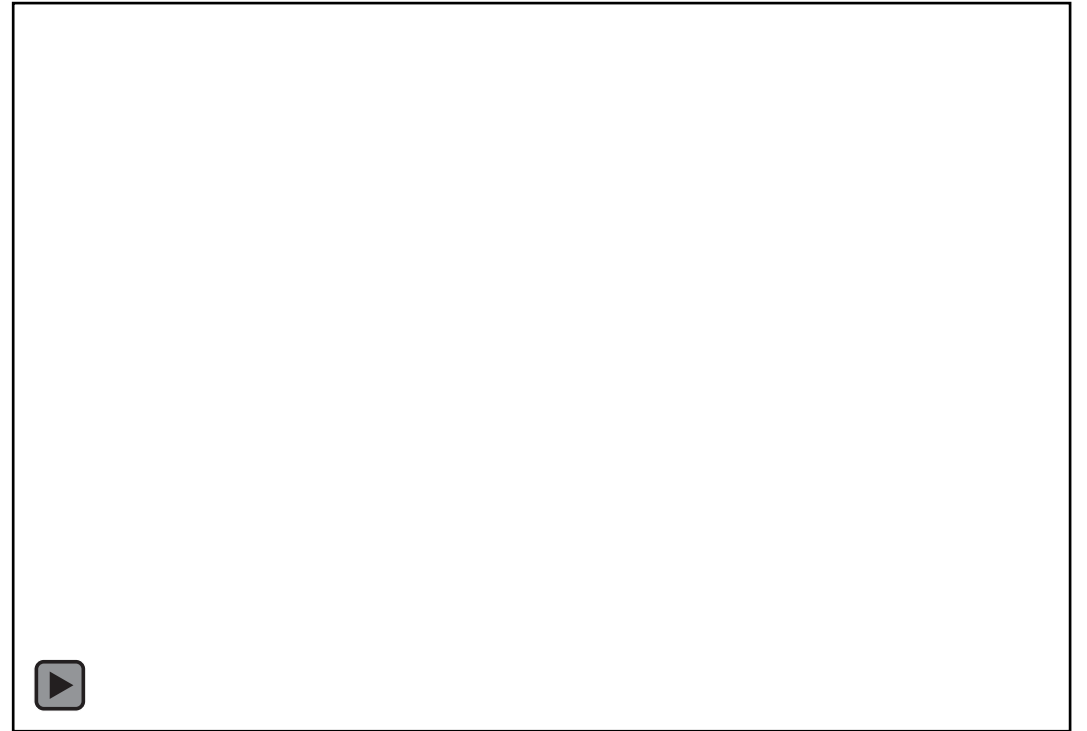
What Next?

More Palynology



Kyleomadaun West, Co Tipperary

Genetic Analysis



Acknowledgements



Prof. Fraser Mitchell
Supervisor



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

