

FRST302: Forest Genetics

Lecture 4.1 - Accelerating Tree Improvement I

Welcome to Module 4!

- Module test will be a mix of multiple choice and short answer questions
- The test questions will test your understanding of concepts and ask you to apply it
- **Terminology** will be covered on lecture slides
- **Concepts** will be covered in lectures
- If you are lost with the concepts or terminology make use of office hours, the Canvas Discussion board and ask questions in class!

Module 1 Genes, Genomes and Sequencing

Module 2 Population Genetics and Local Adaptation

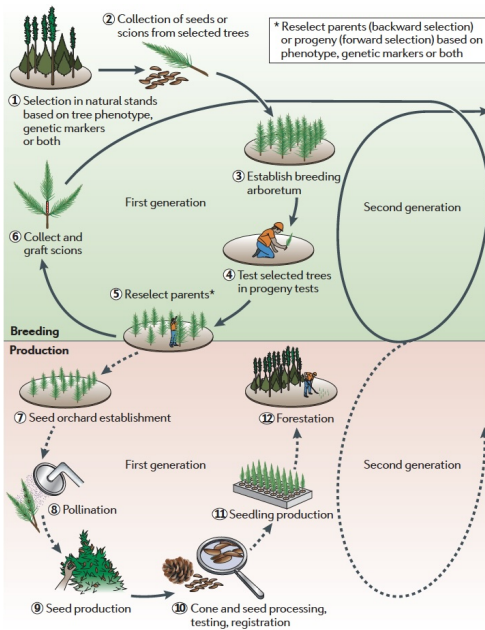
Module 3 Quantitative Genetics and 20th Century Breeding

Module 1 Genes, Genomes and Sequencing

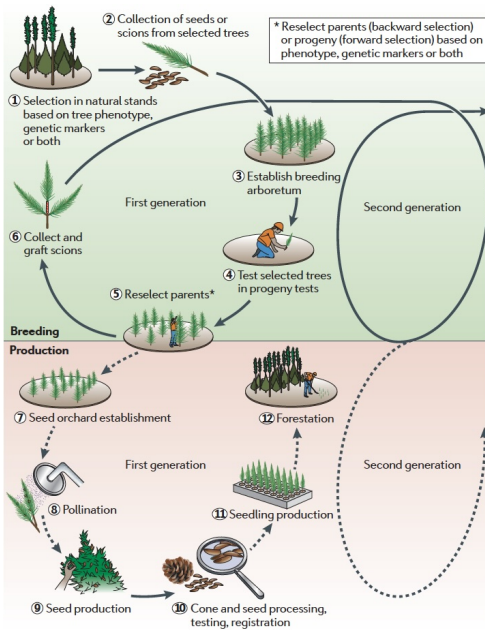
Module 2 Population Genetics and Local Adaptation

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Module 4 Advancing Forest Genetics with Recent Technology



Conventional Tree Breeding

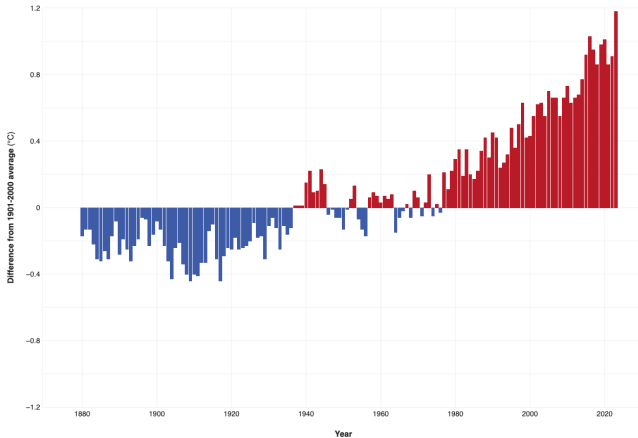


Conventional Tree Breeding

Each cycle takes from 20-30 years!

Can We Afford to Take That Long?

GLOBAL AVERAGE SURFACE TEMPERATURE



<https://www.climate.gov/news-features/understanding-climate/climate-change-global-temperature> - *Hopefully the webpage still exists...*

How could you advance tree breeding with what you learned in the last three modules?