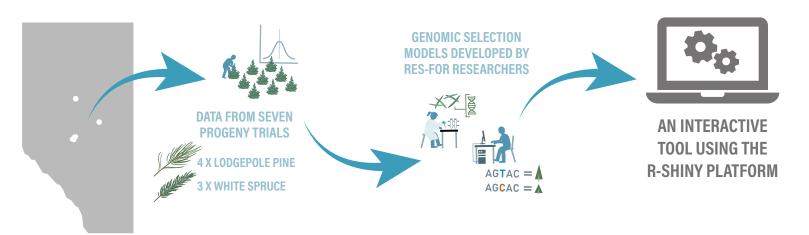
The RES-FOR Interactive Selection Tool

Oct 2021

Successful reforestation relies on healthy and resilient seedlings. **Genomic selection has emerged as a tool to generate well-adapted seedlings in a much shorter time frame compared to conventional tree improvement methods.** Using predictive models that identify associations between genomic information and phenotypic traits of interest, breeders can precisely identify the best trees to use in their seed orchard. **However, genomics data is complex to manage and making genomic selection accessible to tree improvement professionals has been a challenge. The RES-FOR Interactive Selection Tool is designed to bridge that interface.**

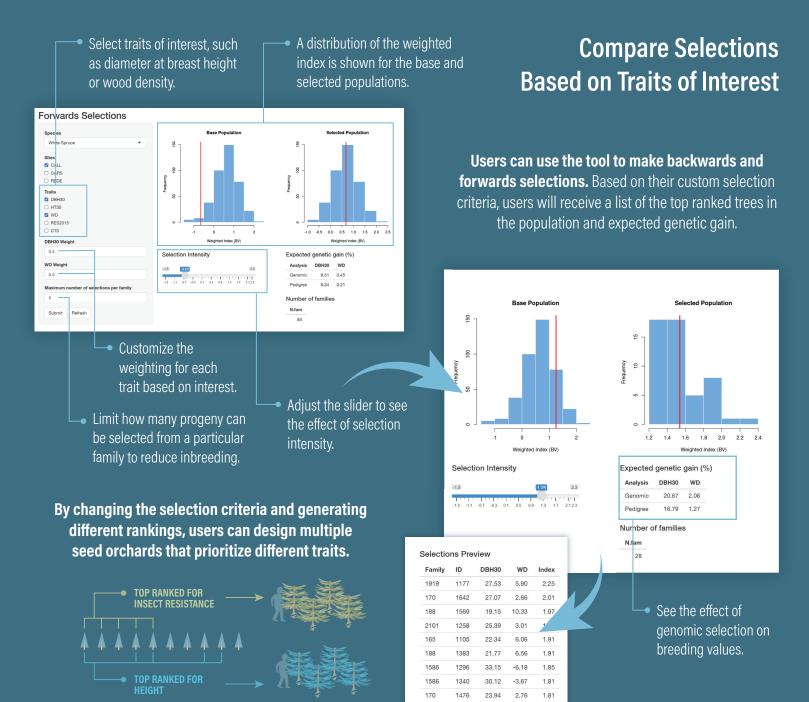


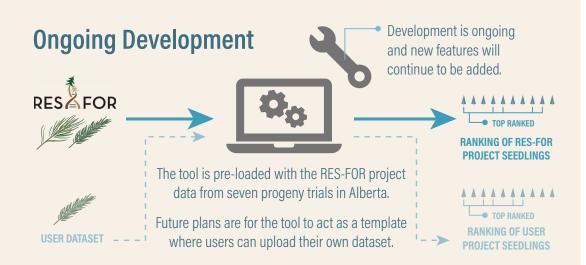
The RES-FOR project has created an easy-to-use, interactive selection tool to help tree improvement professionals make genomics-informed breeding decisions for their program. Rather than select on a few traits at a time, users can select on a wide variety of traits and explore how different selection choices will impact the following generation of trees.



Identify unusual — By visualizing trees that break the understand the overall correlation.

By visualizing the project data, users can better understand the relationships between traits prior to performing selections.





To learn more about genomic selection, its potential applications in tree improvement, and the history of its use, check out these additional resources available on the RES-FOR website:

Genomic Selection in Forestry
Context of Genomic Technology
How to Use Genomic Selection
for Tree Improvement

