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## **FINDING THE NEEDLE IN THE HAYSTACK**

### **ABSTRACT**

Advanced breeding technologies giving new perspectives for sugar beet breeding. They help to enable to source genetic variation for innovative new traits in sugar beet.

The presentation will give an overview about basic principles of genetic variation, identification of new variability and breeding schemes and show how new technologies like back crossing programs can be heavily assisted and speeded up by markers. The diversity of potential new resistance traits can be largely expanded.

The examples of CONVISO SMART varieties and other development of other traits are given.

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