

Enabling SVE in Grid

- ▶ We use ACLE for our SVE implementation to access the SVE features
- ▶ We minimize implications of the VLA programming model and bypass restrictions on usage of ACLE data types
 - ▷ We declare the vector length VL (in bytes) as a compile-time constant
 - ▷ Superfluous loops implied by VLA are omitted
 - ▷ The variety of predications is minimized to fit into the register file
 - ▷ The templated struct `acle<T>` (`T = double, float`) provides convenient access to ACLE definitions, e.g., predications and data types