

Roadmap

Below is the foreseeable roadmap of further Acadia contributions to ORE in the second half of 2024 and in 2025.

Regulatory capital

- Market Risk Capital (FRTB-SA)
- Credit Risk Capital (SA-CCR, BA-CVA, SA-CVA)

Performance

- Development of XVA Sensitivity Analysis using AAD continues, which is demonstrated in proof-of-concept stage in ORE example 56.
- The GPU interface implementation will be extended to cover exposure simulations
- A GPU interface implementation in CUDA will follow with benchmarking examples vs the OpenCL implementation that is available in release 12.

Pricing & Simulation

- The Heston model will be exposed in ORE for pricing of equity derivatives
- The Multi-factor Cross Asset Model based on n-factor Hull-White will be extended beyond its current coverage of IR, FX, COM asset classes, also adding calibration procedures.

Consolidation with QuantLib

To facilitate the use of ORE and QuantLib side by side

- merge ORE's QuantLib modifications into the QuantLib project
- merge QuantLib extension in ORE's QuantExt library into the QuantLib project as far as possible

ORE Python

- Extension of the open-source-risk-engine scope to cover more of ORE's classes and member functions. This will be done tactically as we see concrete demand from clients.