

**LEARN ABOUT
HYDROLOGICAL MODELING
AND FLOOD RISK
ASSESSMENT WITH
EXASCALE COMPUTING
APPLICATIONS**



01

SUPERIOR COMPUTATIONAL SPEED

Rapid, precise hydrological
simulations.



02

HIGH-RESOLUTION MODELS

Detailed flood mapping
accuracy.



03

BIG DATA INTEGRATION

Comprehensive data-driven
insights.



04

PREDICTIVE ANALYTICS

Accurate flood scenario
forecasting.



05

RESOURCE OPTIMIZATION

Efficient flood mitigation
planning.



06

SCENARIO PLANNING

Proactive risk management strategies.



06

COLLABORATIVE INNOVATION

Enhanced stakeholder
cooperation.

