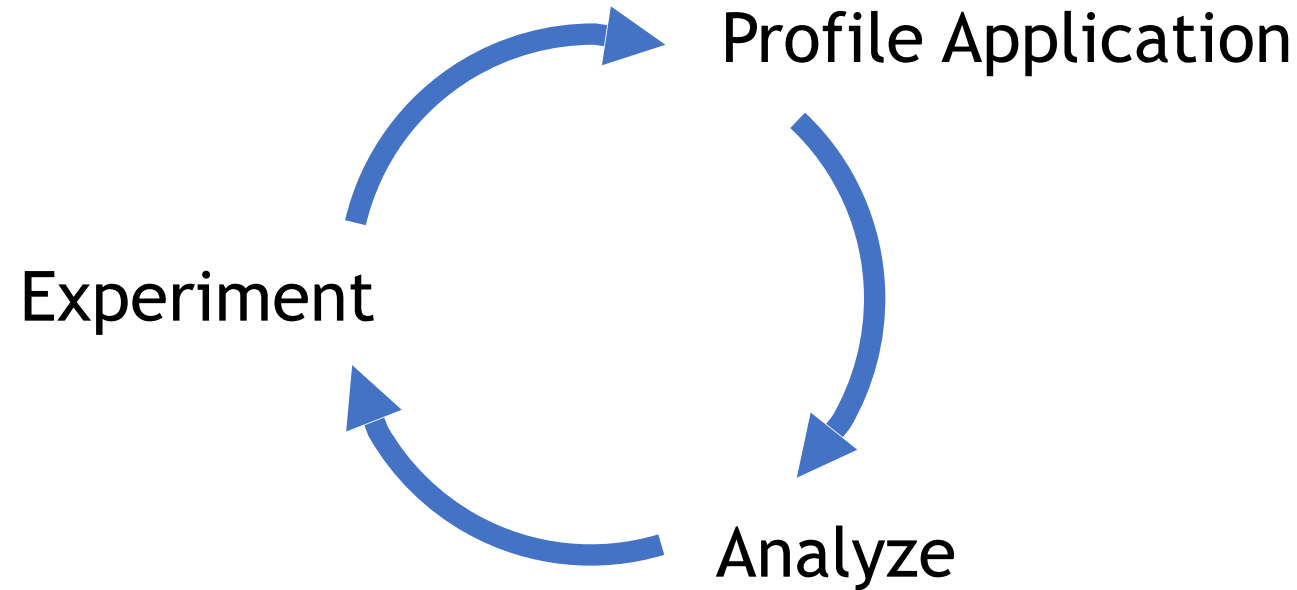# Optimization workflow

Application optimization is an iterative process:

- **NSight Systems**
  - See application behavior in a cohesive timeline
- **NSight Compute**
  - Detailed analysis of individual CUDA kernels

NSight Systems

Cohesive picture of application behavior on a unified timeline

CPU workload

Thread activities
- OS runtime
- CUDA API
- NVTX (NVidia Tools e...)
- Support for many ot... (cuBLAS, cuDNN, ...)

GPU4Sci20