Transformations + Dependency Analysis

Sequential
SIMD
OpenMP

Code Generation

SCoP Detection

Translation

LLVM-IR → Polyhedral Representation → LLVM-IR

Import/Export
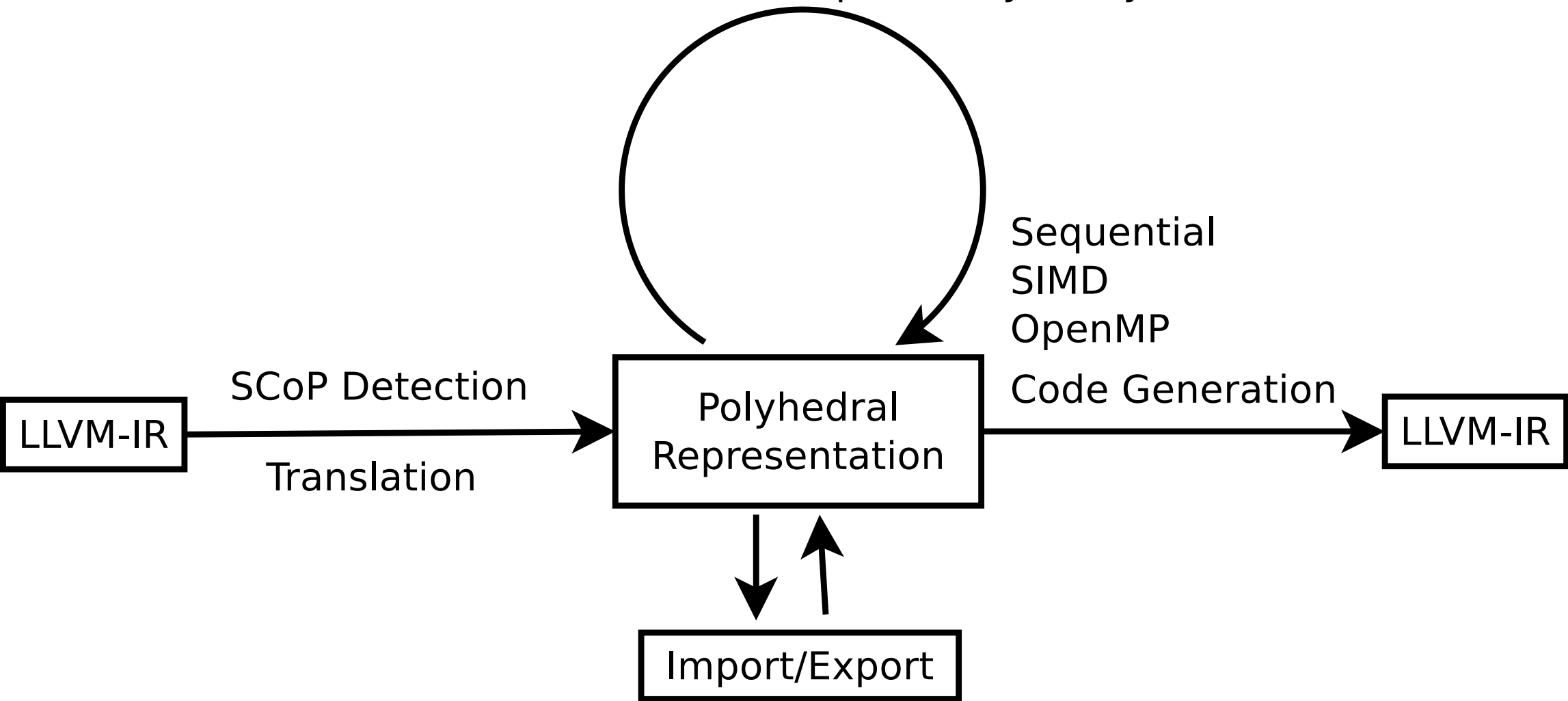
External Optimizers / Manual Optimizations