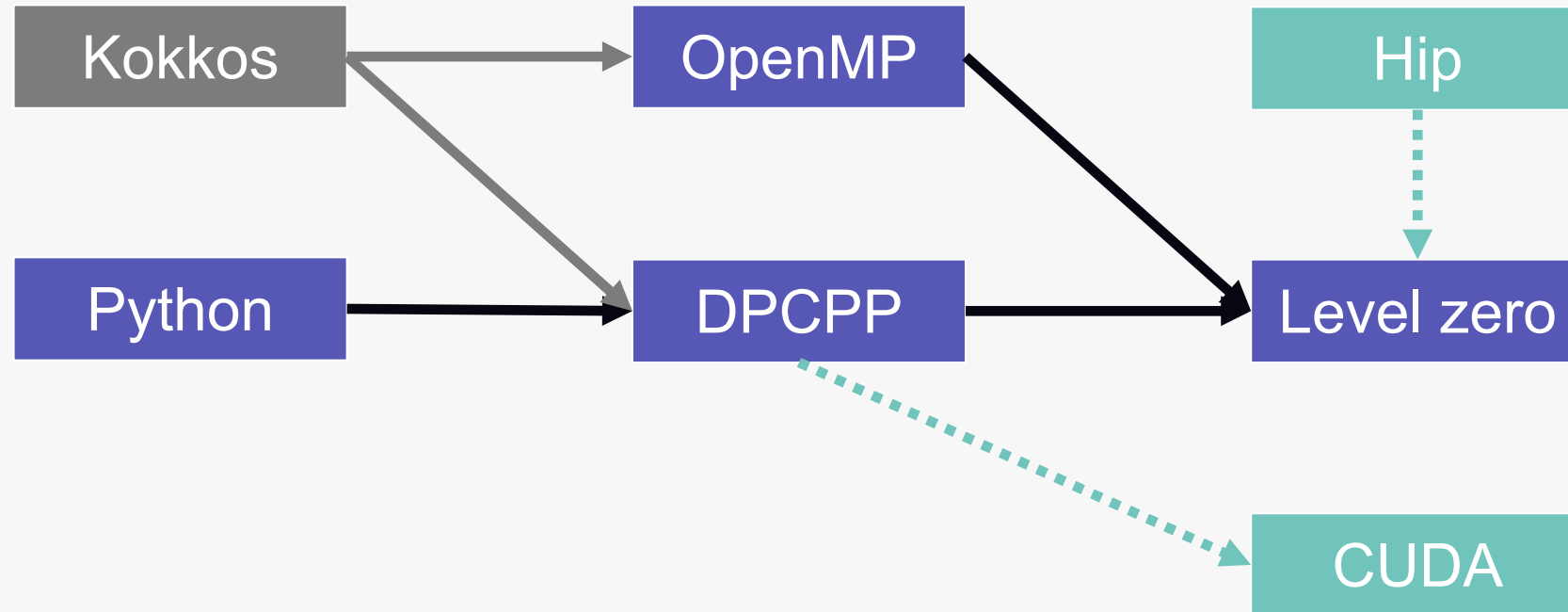
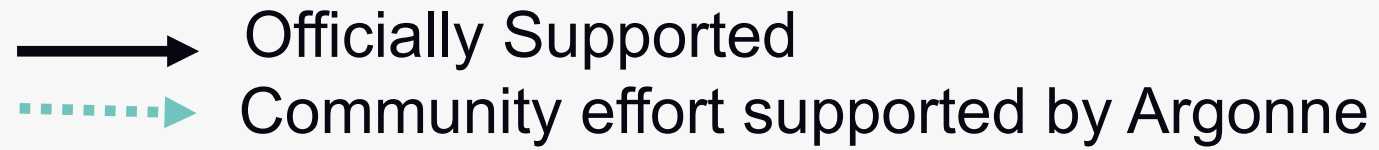


Aurora Programming Models

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Aurora Programming Model



Further Information

oneAPI

- <https://software.intel.com/content/www/us/en/develop/tools/oneapi.html>
 - Free access
- Regroups Intel Compilers (icpx, ifx, dpcpp), Framework (Numba, oneDNN, oneMKL), and other (MPI, oneMKL, Vtune, gdb)
- OpenMP 5.+ supported

Open-Source efforts:

- Intel SYCL compiler Open-Sourced (<https://github.com/intel/llvm/>)
- SPIRV Backend [RFC](#) to LLVM (OpenMP plugin should follow)
- SPIRV -> IntelGPU-ISA Open-Sourced (<https://github.com/intel/intel-graphics-compiler>)

Note on Portability;

- OpenCL 3.+ will be supported on Aurora
- Hip/CUDA backend for SYCL/OpenMP exists
- L0/OpenCL backend for Hip exists