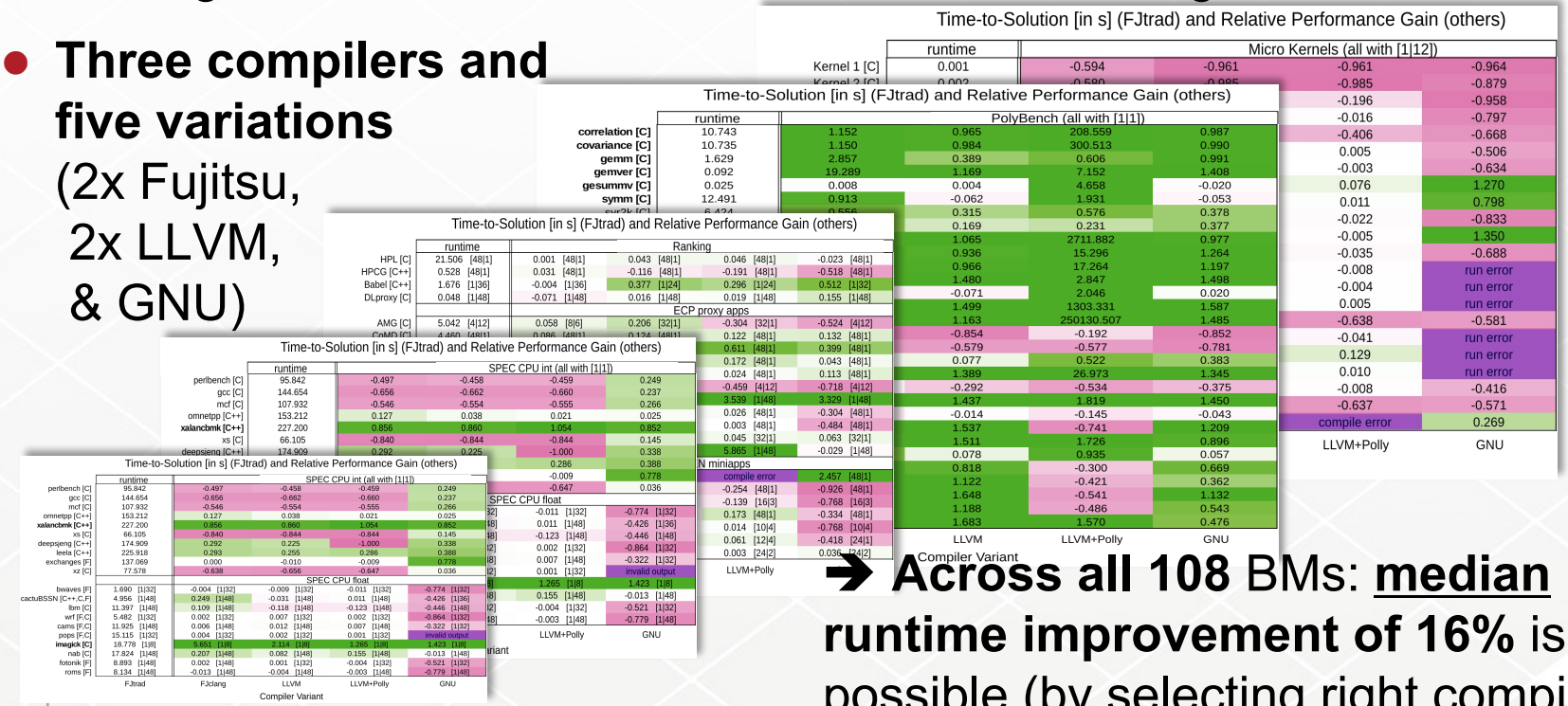
A64FX – Your ~~Path~~ Compiler You Must Decide!

Computer simulations create the future

- **Performance portability** (x86→A64FX) **not easy** to achieve
- Testing **>100 Kernels and HPC Workloads** on Fugaku
- **Three compilers and five variations** (2x Fujitsu, 2x LLVM, & GNU)



➔ **Across all 108** BMs: **median runtime improvement of 16%** is possible (by selecting right compiler)