Our approach is to generalize a high-energy physics analysis tool ("Cling") to a general-purpose and fully functional tool that becomes part of LLVM/Clang.

CaaS aims to provide programmers and data scientists a simple and general solution to language interoperability:

- Advance the interpretative technology to provide scientists a state-of-the-art C++ execution environment
- Enable functionality which can provide dynamic, native-like, runtime interoperability between C++ and Python
- Allow seamless utilization of heterogeneous hardware (e.g., hardware accelerators)
- Enable rapid application development even to those with a complex codebase