



## *art news*

31 March 2020

*art* stakeholders meeting



# Tentative plans for *art* 3.06

- ***art* 3.06**

- Drop Python 2 and SLF6 support
- Drop macOS support
- External product refresh
- Split `fhiclcpp` into `fhiclcpp` and `fhiclpy`
- Various minor features and bug fixes
- Introduce updated versions of Clang and GCC (version 9.3, primary qualifier e20)

# C++ features

- C++20 has been finalized.
  - Draft International Standard out for ISO approval
- The 4 main core features:
  - Concepts
  - Coroutines
  - Modules
  - Ranges
- STL additions:
  - format library
  - `std::span`
  - `std::source_location`
  - `constexpr std::string/vector`
- No specific plan as to when C++20-enabled builds of *art* would be available.
- Current compiler status for C++20 can be found:
  - GCC: <https://gcc.gnu.org/projects/cxx-status.html#cxx2a>
  - Clang: [https://clang.llvm.org/cxx\\_status.html#cxx20](https://clang.llvm.org/cxx_status.html#cxx20)

