



art in 2019

10 January 2019

art stakeholders meeting



Near term

- *art* 2.12 is nearly imminent
 - Internal changes and some configuration options to aid in memory reduction
 - `SamplingInput` source, which samples events from different datasets given weights
- *art* 3.02 is shortly thereafter
 - Separates *art* and *art_root_io*
 - External product refresh
 - First release to support Python 3

Efforts (1)

Most of our efforts this year are not targeted for *art*-specific development.

- Helping reduce memory for various experiment workflows
- Helping experiments upgrade to *art 3* **and** benefit from MT
 - LArSoft and its users have upgraded to *art 3*
 - *artdaq* is considering the upgrade now
 - Muon experiments have not yet, but likely will soon
 - NOvA won't be for a while yet
- Spack/SpackDev
 - MVP released last year; no feedback
- Settling on an OS support policy that is more maintainable
 - Expect survey results in a few weeks

Efforts (2)

- Moving people from Python 2 to 3
 - Python 2.7 EOL is January 1, 2020
 - Use `from __future__ import print_function` now
- *Aside:*
 - *SLF6 EOL is November 2020*
- Improved documentation
 - New on-call hire (Ryan Bouabid) to join the SciSoft team later this month
 - He will focus on automated documentation generation options (Sphinx, Doxygen, etc.), with an eye toward having version-controlled documentation
 - Will likely include revisiting the *art* workbook

Conclusion

- Experiment support continues as it always has
- Our group is small, but dedicated
- If you have particular concerns, please bring them up with me or the other artists

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Thank *you* for supporting *art*.