

Understanding the NeXus standard from an information science perspective?

Tuesday 10 October 2023 14:30 (15 minutes)

NeXus is a well established standard for data exchange of neutron, x-ray and muon large scale facilities. Being around for over 20 years with dedicated governance structures it serves as a successful example of a long-lived standard. NeXus as an ecosystem can be difficult to navigate as people refer to its parts using varying terminology and sometimes having different concepts in mind even when using similar terms. The NeXus community can benefit greatly by connecting and later aligning their established semantic and procedural approaches with standardised definitions from information science, particularly around metadata standards and controlled vocabularies.

This Poster connects Nexus' different parts to some of the more consistent taxonomies of metadata standards and vocabularies and highlight NeXus' strength of allowing for top-down and bottom-up evolution of the standard.

Please assign your contribution to one of the following topics

Data interoperability through harmonised metadata and interoperable semantics

Please specify "other" (stakeholder)

In addition please add keywords.

NeXus, Metadata Standard, Data Format Standard, Information Science

Please assign yourself (presenting author) to one of the stakeholders.

Data professionals and stewards

Primary author: WALTER, Konstantin Pascal (HZB (Hub-Matter))

Presenter: WALTER, Konstantin Pascal (HZB (Hub-Matter))

Session Classification: Poster session

Track Classification: Poster session