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Research funders increasingly mandate FAIR data practices, but researchers struggle with data and metadata trapped in proprietary formats and scattered across instruments, siloed tools and unconnected storage and compute facilities. Siloed research infrastructure is also a major problem for research institutions. Not only does it hinder realization of FAIR principles, in addition the cost of administering an ever expanding portfolio of unconnected research resources grows ever more burdensome, and is unsustainable in an era of reduced funding.

The University of North Carolina at Chapel Hill is confronting this challenge by building holistic research infrastructure that captures FAIR metadata at the point of data generation. This presentation describes the rationale for this approach and outlines its core elements.

Born Managed is designed around RSpace and Dataverse. RSpace serves as a central resource for research documentation and metadata enrichment, connects other RDM and research tools, and orchestrates flows of information and metadata throughout the ecosystem. Dataverse receives fully-contextualized datasets ready for discovery and reuse—demonstrating how repositories can receive born-managed rather than post-hoc curated data.

Part 1 of the workshop will describe the rationale behind Born Managed, how the project came about, the project design and plans for implementation. This scene-setting exercise will explain how Born Managed follows and instantiates the principle of Vertical Interoperability and references community resources such as the MaLDReTH Map of Tools used in the research lifecycle.

In Part 2 of the workshop participants will break out into small groups and discuss questions including:

- How should institutional repositories position themselves within integrated research infrastructure rather than as endpoints for post-hoc data deposit?
- How can repository platforms better support born-managed data workflows?
- What could a born managed solution look like at their institution?

We expect the workshop to last for ½ day, i.e. around 3 hours

We anticipate 20 - 25 attendees