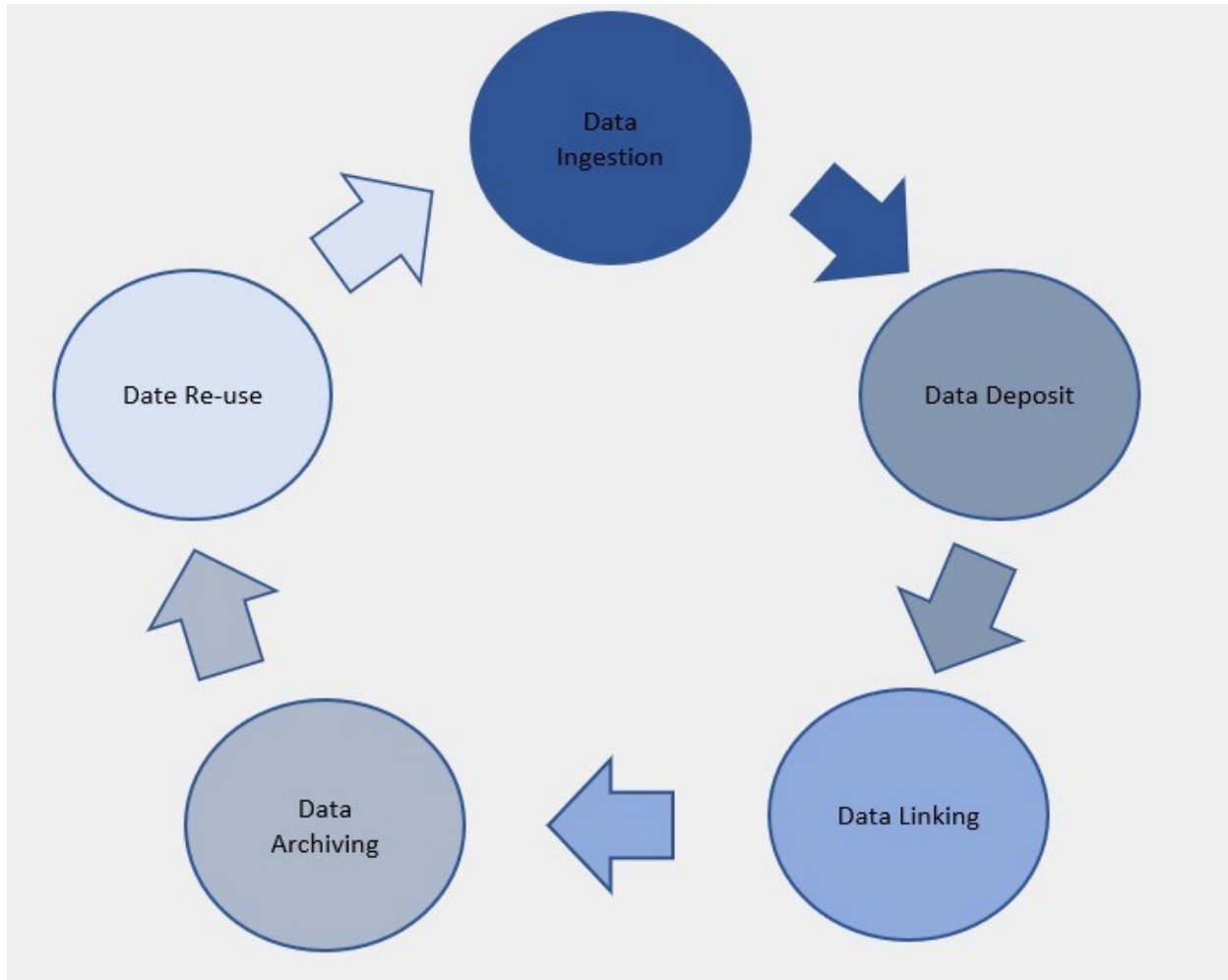WHOAS Workflow

Data Ingestion:
Contributor requests a deposit into the repository.
The repository manager and the data librarian conduct an "ingest interview". The ingest interview questions include but are not limited to:
- What is the project?
- What is the time span?
- What type of data is being produced?
- What data formats would you like to deposit into WHOAS?
- List the metadata fields of data.
- How big is the data?
- Is raw data being included?

Data Deposit:
The repository manager and the data librarian review the files to ensure data integrity.
The deposit is submitted into the repository.
A DOI is created if requested by depositor.

Data Linking:
The deposit is linked to related materials.

WHOAS links to Symplectic Elements, Schema.org applications, and ArchivesSpace.

Symplectic Elements, a research information management system, which the Library uses to detail the publications, funding, projects, equipment, and professional activities of our researchers and faculty members at the MBL, WHOI, WHRC, SEA, and USGS Woods Hole.

Schema.org is a collaborative, community activity with a mission to create, maintain, and promote schemas for structured data on the Internet, on web pages, in email messages, and beyond. WHOAS uses the shared vocabulary to structure metadata to help search engines understand the published content.

ArchivesSpace, a web-based open source application for managing archives information. ArchivesSpace holds a diverse collection of administrative records, photographs, scientists' personal papers, film and video, historical instruments, cruise data, ship logbooks, diaries, blueprints and oral histories.

Data Archiving:
For long term management, the MBLWHOI library holds the right to migrate and transform the data into other formats as data and archive technologies become obsolete. The data housed in WHOAS will be preserved at the appropriate level for at least 10 years following acceptance with the expectation of perpetuity. In effort to prevent a growing migration issue a biennial review of data objects and metadata is completed. We encourage researchers to use open analysis tools and formats, so that data can be preproduced from beginning to end.

Data Re-use:
The deposit is searchable, accessible, and available for use by other researchers. The software platform of WHOAS is DSpace, an open source system developed jointly by MIT Libraries and Hewlett-Packard (HP). DSpace complies with many standard protocols for access, ingest, and export. The standards DSpace supports included: Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH), Open Archives Initiative Object Reuse and Exchange (OAI-ORE), Simple Web-service Offering Repository Deposit (SWORD), Web Distributed Authoring and Versioning (WebDAV), OpenSearch, OpenURL, RSS, and ATOM. DSpace can manage and preserve all types of digital content. The Library contracts with an outside vendor for DSpace upgrades and customization.