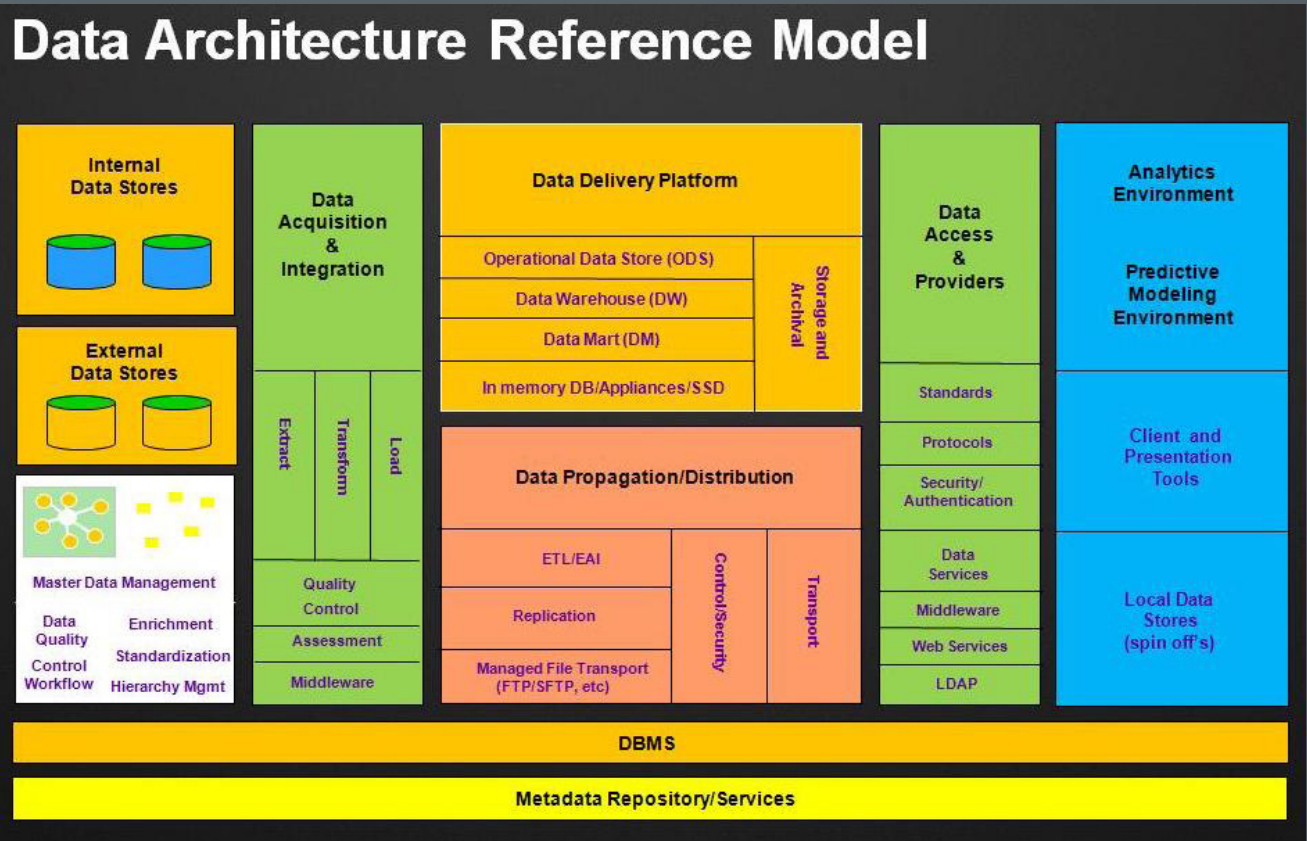


DATA TELLS THE STORY & LIBRARIES HELP

Julia Gelfand (University of California, Irvine) and Anthony Lin (Irvine Valley College)
University of California, Irvine and Irvine Valley College Libraries
20th International Grey Literature Conference, Dec 3-4, 2018
New Orleans, LA, USA



Source: LRDC. "DBARCH Data Management Reference Model." Wikimedia Commons, Creative Commons Attribution, 28 Dec. 2009, commons.wikimedia.org/wiki/File:DBARCH_Data_Management_Reference_Model.JPG.

TRENDS IN OPEN EVERYTHING

<ul style="list-style-type: none">• Open Access• Open Science• Open Data• Open Publishing• Open Grey	Ensuring quality control via peer review leads to successful design, reproducibility, sharing and collaboration on multiple scales
<ul style="list-style-type: none">• Data Literacy	Accurately Sourcing Data Implementing Data Management Plans Role of Repositories
<ul style="list-style-type: none">• Developing New Skill Sets	Preservation & Stewardship Accompanying Data Sets for Reuse Cloud Solutions
<ul style="list-style-type: none">• Data Management	Metadata Establishing Data Lifecycle

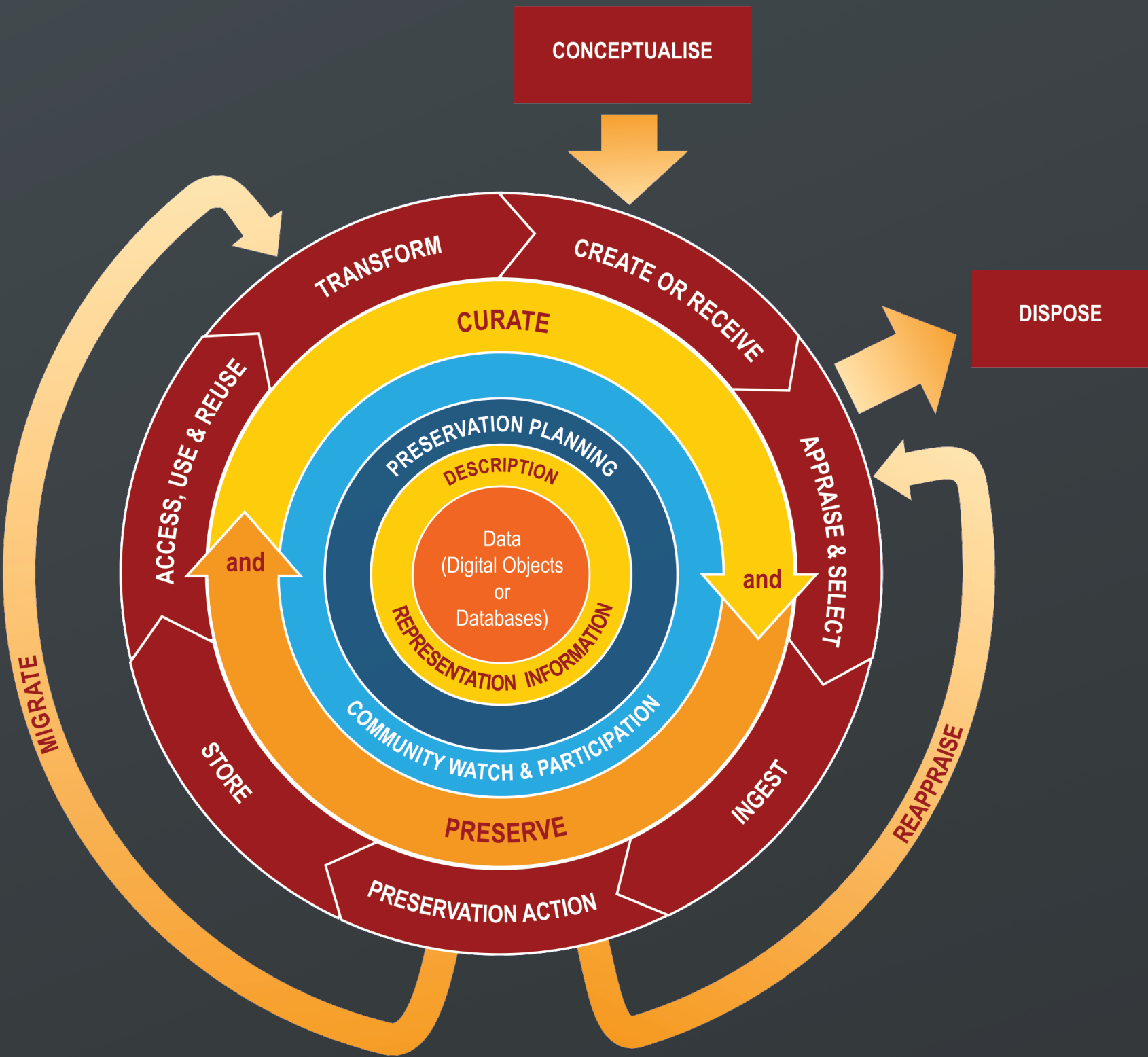
EFFECTIVE DATA MANAGEMENT PROMOTES

- Best Practices for Curation & Preservation
- Project Management
- Privacy
- Security
- Discovery & Access
- New Publishing Models
- Better Understanding & Appreciation for Grey Literature

DATA ADDS VALUE

- Content is richer
- Evidence-based contributes to credibility & reproducibility
- Confirms scholarship with unique attributes
- Data reuse builds on established findings & norms
- Collected data lives on through repurposing – extends lifespan
- New ideas lead to innovation in methodologies and outcomes

KEY ELEMENTS OF THE DCC CURATION LIFECYCLE MODEL

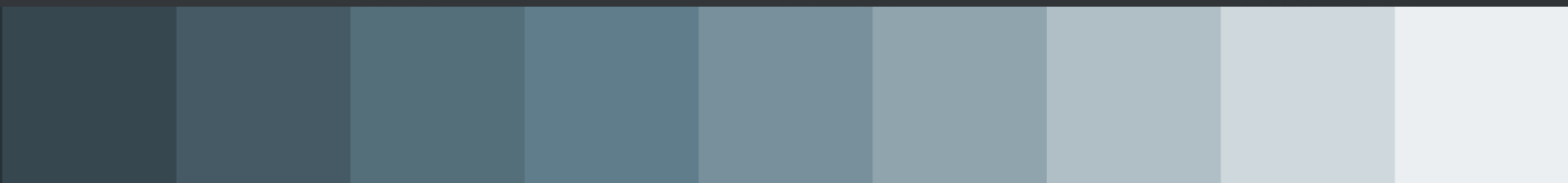


HOW LIBRARIES & LIBRARIANS HELP

- Process data
- Promote openness
- Serve as intermediary between researcher & findings
- Introduce appropriate tools & services to manipulate & manage data – data carpentry
- Advise researchers how to retain data management rights
- Host data in repositories for safekeeping & ongoing review
- Assist users in finding appropriate data for information queries

DATA ON THE GREY SPECTRUM: “DATA FOR GOOD”

As information elements have more searchable components the black to white continuum blends changing the hues to more AND less greyness. Data is central to understanding, describing and validating research outcomes. Data description is critical to information sharing in the ever-changing landscape.



Source: The University of Edinburgh. "Key Elements of the DCC Curation Lifecycle Model." DCC , Creative Commons, 2008, www.dcc.ac.uk/resources/curation-lifecycle-model.