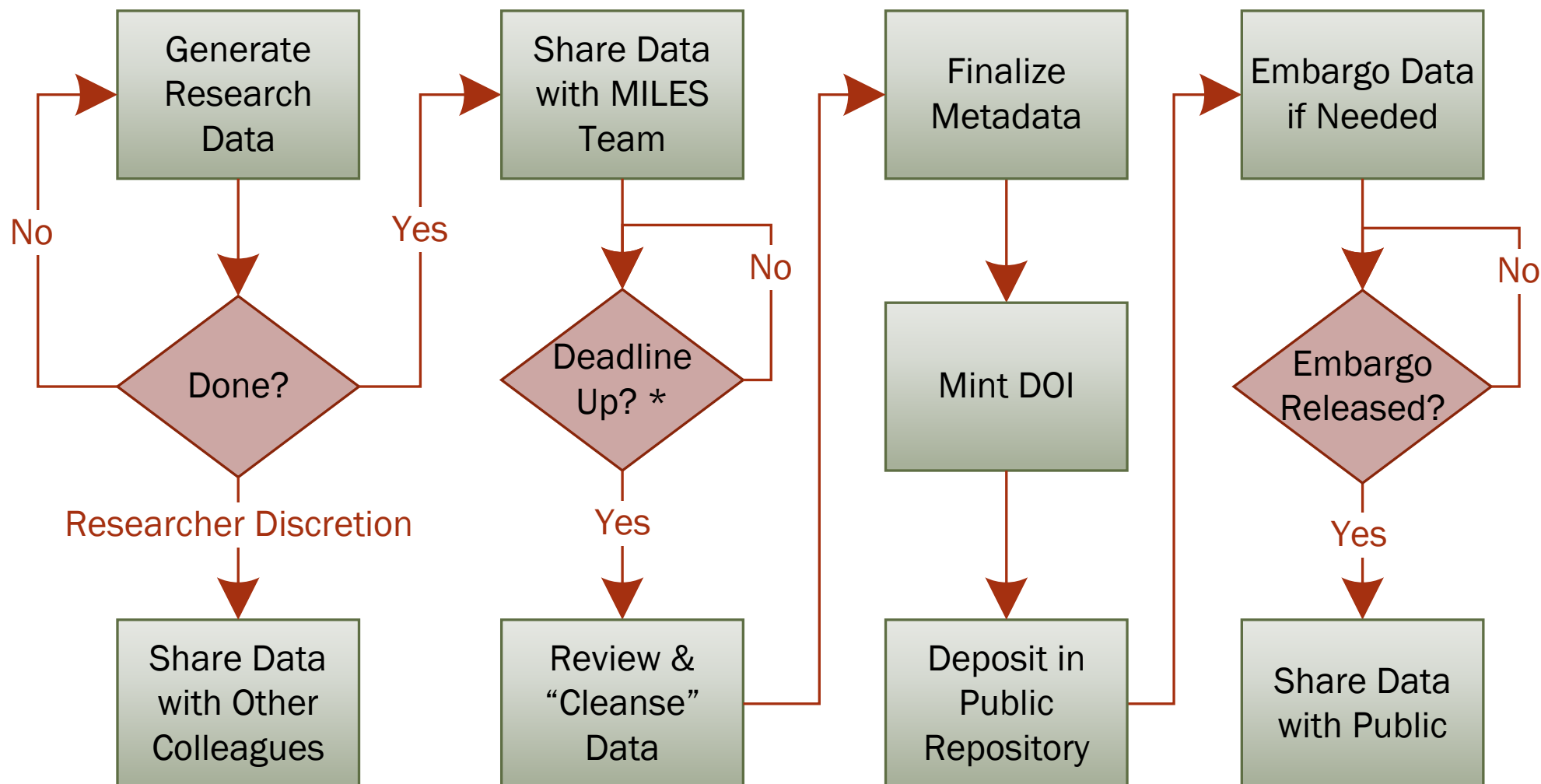9-8-2016

Boise State MILES Data Management Workflows
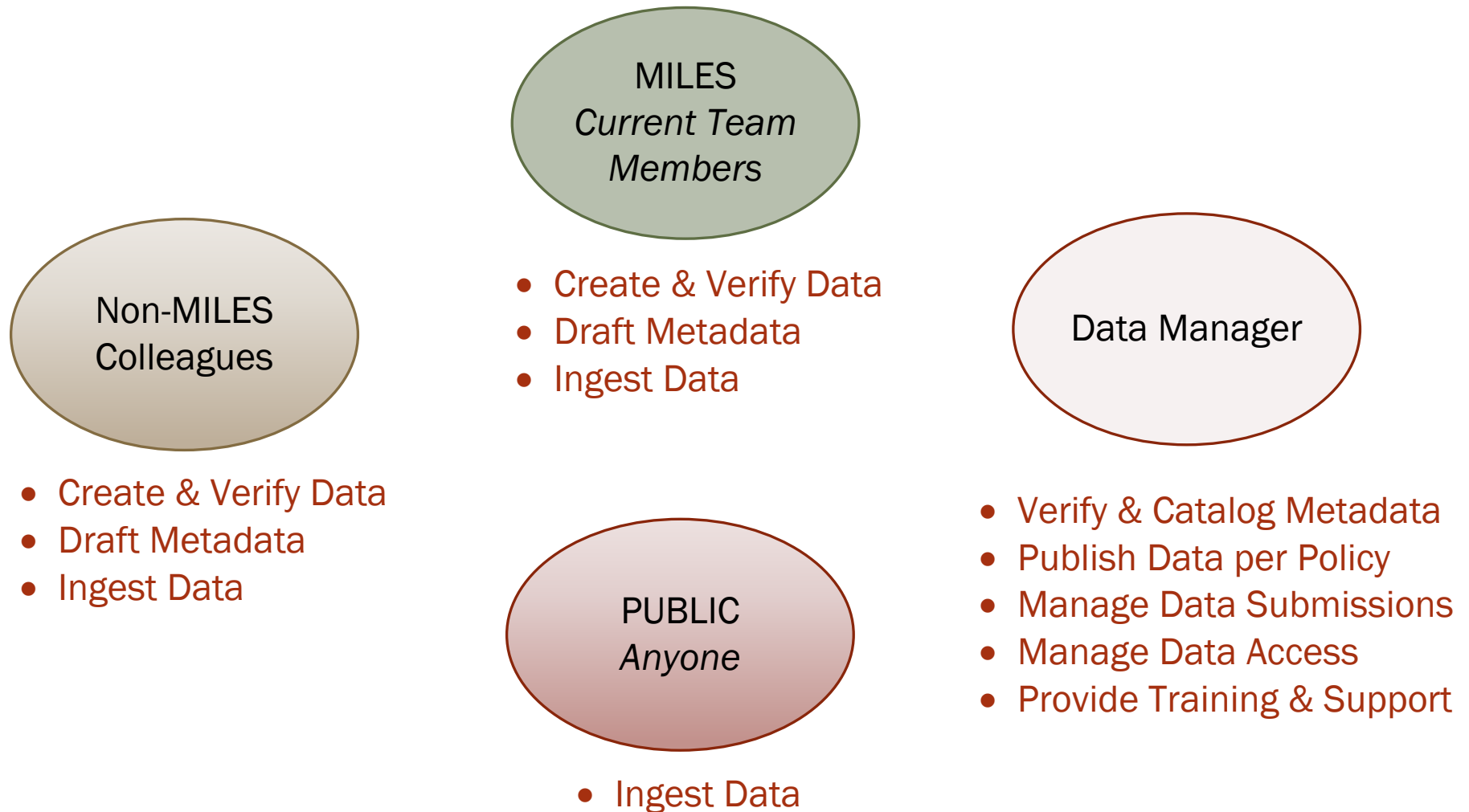
Jean Barney
Boise State University

Miles Data Publication Policy


```
Generate Research Data
  │ No (loop back)
  ▼
Done?
  ├── No → (back to Generate Research Data)
  ├── Yes → Share Data with MILES Team
  └── Researcher Discretion → Share Data with Other Colleagues

Share Data with MILES Team
  ▼
Deadline Up? *
  ├── No → (loop back)
  └── Yes → Review & "Cleanse" Data → Finalize Metadata

Finalize Metadata
  ▼
Mint DOI
  ▼
Deposit in Public Repository → Embargo Data if Needed

Embargo Data if Needed
  ▼
Embargo Released?
  ├── No → (loop back)
  └── Yes → Share Data with Public
```
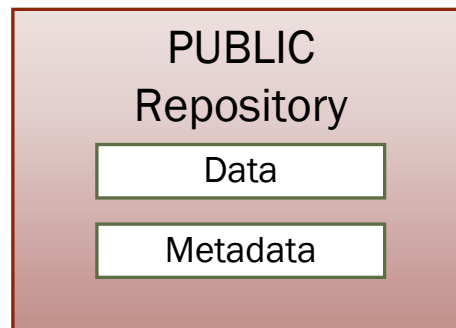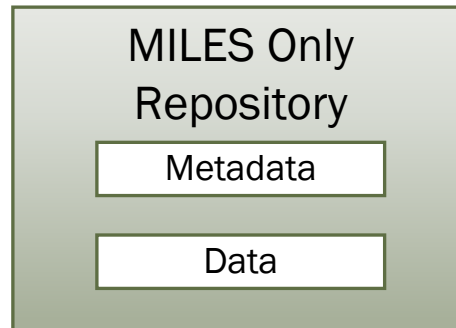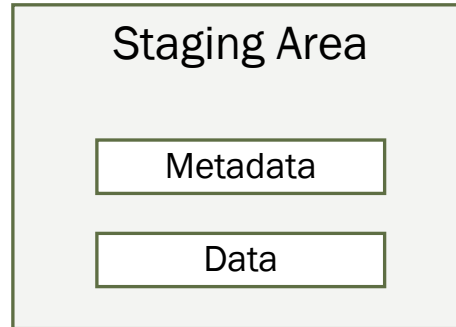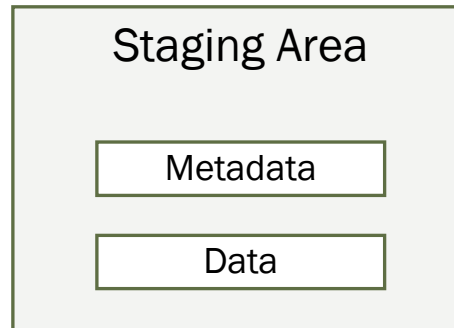
* Publication deadlines vary depending on type of data

Data Access Groups & Their Roles

MILES
Current Team Members

- Create & Verify Data
- Draft Metadata
- Ingest Data

Non-MILES Colleagues

- Create & Verify Data
- Draft Metadata
- Ingest Data

Data Manager

- Verify & Catalog Metadata
- Publish Data per Policy
- Manage Data Submissions
- Manage Data Access
- Provide Training & Support

PUBLIC
Anyone

- Ingest Data

Repository Design

Staging Area

Metadata

Data

MILES Only Repository

Metadata

Data

PUBLIC Repository

Data

Metadata

Repository Design Recommendation

Staging Area

Metadata

Data

Secure Google Drive

MILES Only Repository

Metadata

Data

NKN OwnCloud

PUBLIC Repository

Data

Metadata
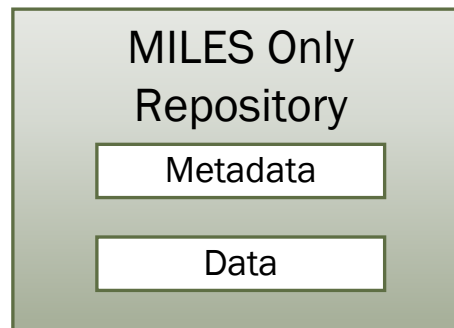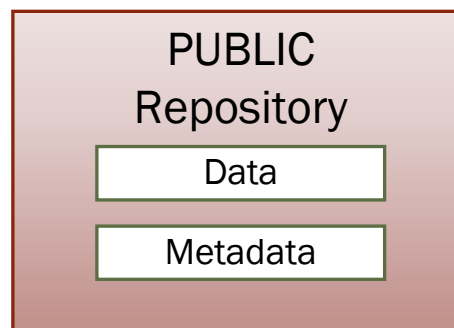
Boise State ScholarWorks

Publication Data Flow

MILES
Current Team Members

Submit →

Staging Area
- Metadata
- Data

Validate

MILES Only Repository
- Metadata
- Data

Publish to MILES

PUBLIC Repository
- Metadata
- Data

Publish to PUBLIC

Data Manager
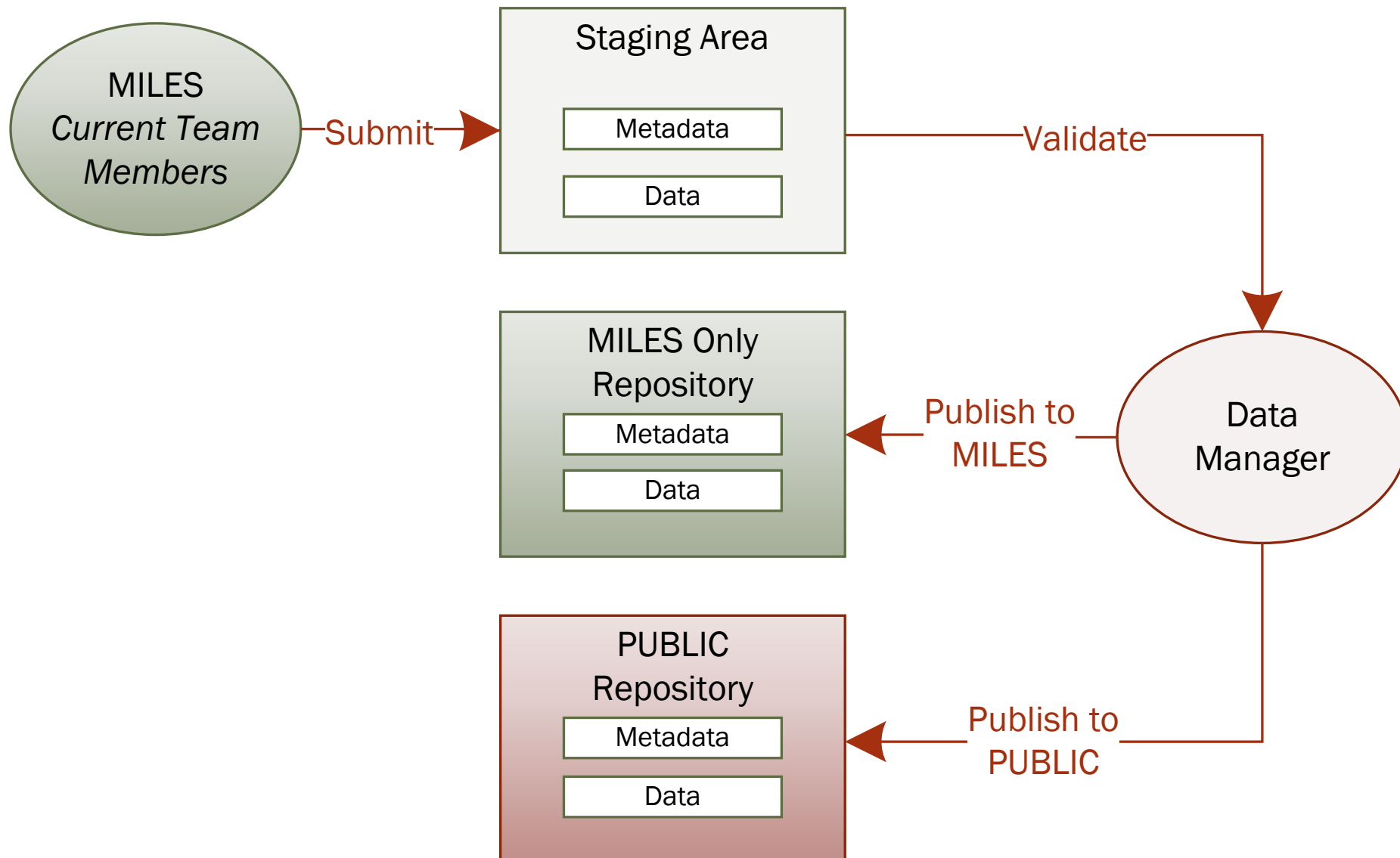
Repository Access Rights
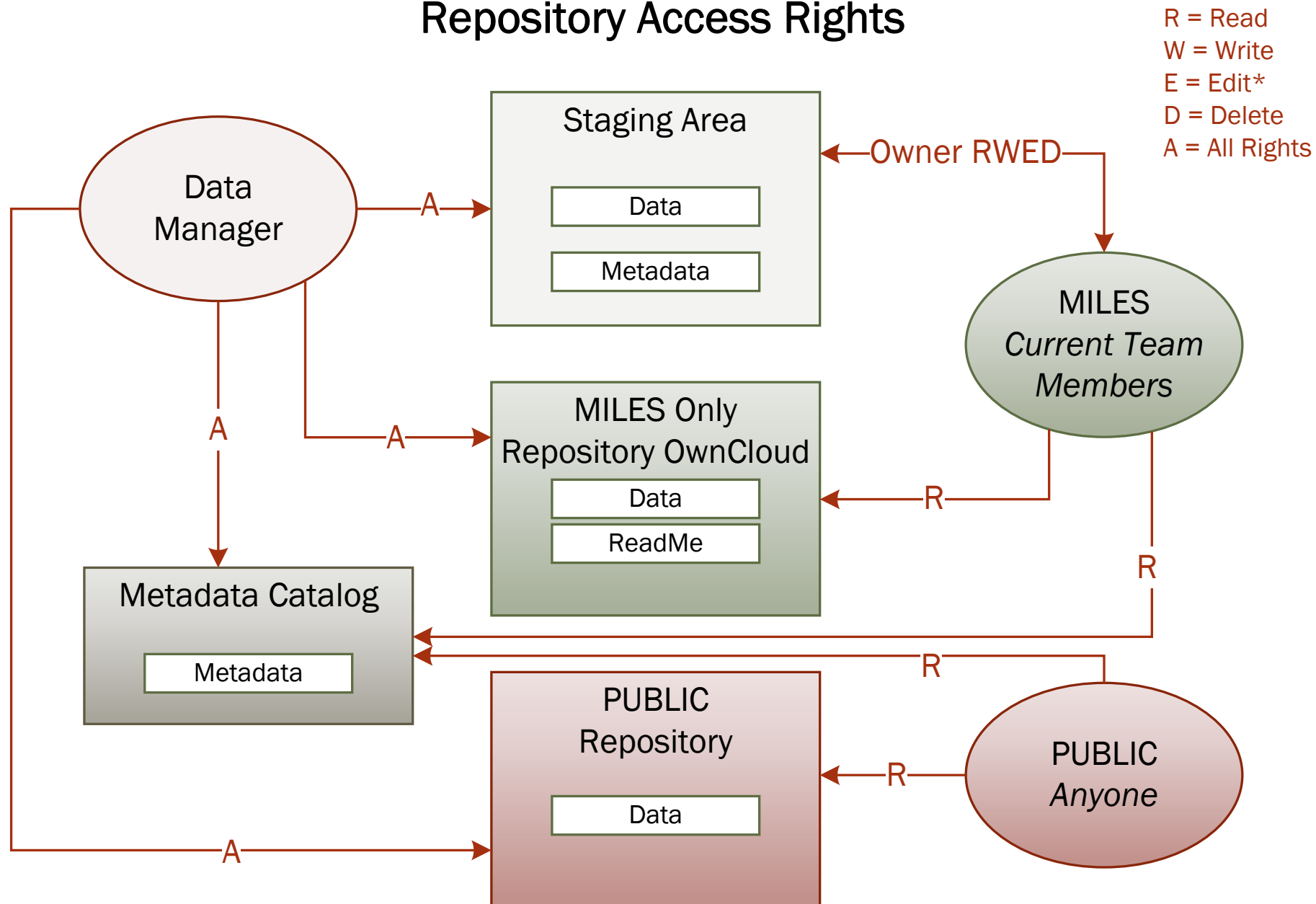
R = Read
W = Write
E = Edit*
D = Delete
A = All Rights

Data Manager

Staging Area
- Data
- Metadata

Owner RWED

MILES *Current Team Members*

MILES Only Repository OwnCloud
- Data
- ReadMe

A

A

A

Metadata Catalog
- Metadata

R

R

R

PUBLIC Repository
- Data

R

PUBLIC *Anyone*

A

* E = W on some operating systems

Jean Barney
September 8, 2016

Public Repository - ScholarWorks

Advantages

- Already in House
- Single Sign-On
- Unlimited Storage
- Web Interface
- Easily Harvested
- Linked Publications
- Administrative Tools
- Reporting Tools
- Training Resources
- No Added License Cost

Challenges

- MILES – NKN Metadata XCHG
- Limited Visualization Options
- "Big" Data
- Data "Cleansing"