**Appendix 2.** Final codes used for analysis

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| **Main categories** | **Codes** |
| Library | Librarian’s responsibilities |
| Organizational structure |
| Users | User base |
| User characteristics |
| DMP |
| Institutional environment | Physical environment |
| As a federal agency |
| OCLC–Education services | Educational goal |
| Perception about online education |
| User feedback |
| Training classes |
| Common data elements |
| OCLC–Expertise services | Secondary data consultation |
| Data wrangling |
| Visualization |
| Writing services |
| Data management hw/sw |
| Difficulties |
| OCLC–Curation services | CIT services |
| Institutional DB |
| Public repositories |
| Data management hw/sw |
| Data lifecycle stages | Data creation |
| Data description |
| Data analysis |
| Data storage |
| Data preservation |
| Data sharing |
| Collaboration–within library | Flexibility |
| Collaboration–NIH units | Need for collaboration |
| Communication |
| Example cases |
| Collaboration–external partners | Need for collaboration |
| Example cases |