

Contents

Preface	xi
Acknowledgments	xiv
Introduction	1
What Is an Institutional Repository?	1
Repositories and Scholarly Communication	2
Expanding Access and Visibility	2
Preservation	3
New Uses	4
Conclusion	4
References	5
 Part I. Starting and Managing an Institutional Repository: The Steps	 7
 Chapter 1. Librarians and Institutional Repositories: The Perfect Fit	 9
Why Do We Need Institutional Repositories?	9
Staying Relevant	9
Digital Preservation	10
Scholarly Communication Crisis	10
Who Should Manage an Institution's IR?	11
How IRs Succeed—or Fail	12
Allocate the Required Resources	13
Plan—But Not Too Much	13
The Skills That Make It Work	13
The Skills That Librarians Have	14
Learning from the Pioneers	15
Conclusion	15
References and Suggested Readings	16
 Chapter 2. Planning, Budgeting, and Staffing	 17
The “Institution” in Institutional	17
Planning	18

Starting, Strengthening, and Managing Institutional Repositories

Budgeting	20
Hardware/Software	20
Personnel	21
Training and Marketing	22
Funding Sources	22
Consortia	23
Staffing	23
Leadership	26
Teaming	27
Conclusion	27
Notes	28
References	28
Chapter 3. Institutional Repository Platforms	29
Criteria for Evaluating Platforms	29
Open Source Platforms	31
DSpace	32
Eprints	34
Fedora	37
Commercial Platforms	38
Digital Commons	39
CONTENTdm®	40
DigiTool	42
Open Repository	43
Final Thoughts	44
References and Suggested Readings	44
Chapter 4. Policies and the Working Institutional Repository	47
The Purposes of Policies	47
Policies Are Made to Be Broken	48
Policies	48
Establishing Communities and Collections	48
Administering the IR Communities	49
Contributors	50
Content Types	51
File Formats	53
Versioning	53
Use of Content	53
Submissions	55
Withdrawal and Retention	58
Preservation	58
Additional Policies	59
Legal Aspects	60
References	60

Chapter 5. Marketing and Recruitment for the Institutional Repository	63
Know Your Audience	63
Surveys	63
Other Assessment Techniques	64
Content of the Message	65
What an IR Is	65
Why the Institution Is Running One	67
What the Benefits Are and Why the Individual Should Contribute	68
How to Proceed	71
Delivering the Message	71
Rollout	71
After Rollout	73
Hard Work	75
References	75
Chapter 6. Collection Development and Expansion	77
Gathering Low-Hanging Fruit	77
Catching the Big Fish	78
Copyright Issues	79
Sherpa/RoMEO	81
Beyond RoMEO	81
Letting Go of Preconceptions: Content and Content Providers	82
Archival Records and Publications	83
Conferences	84
Data Sets	84
Education Support Materials	85
Student Publications	85
Electronic Theses and Dissertations	86
Digitizing	88
Do It Yourself	88
Integrating the IR into Workflow	89
Mandates	90
References and Suggested Readings	91
Chapter 7. Increasing Use and Assessment	93
Metadata	94
Descriptive Metadata and Resource Discovery	94
Metadata and Preservation	94
How Much Metadata?	95
Register at All OAI Sites	96
The OAI in OAI-PMH	96
The PMH in OAI-PMH	96
Becoming OAI-PMH Compliant	97
OAI-ORE	97

Starting, Strengthening, and Managing Institutional Repositories

Increase Search Engine Rankings	97
Increase Access Points	98
Assessment	98
Quantitative Assessment	99
Qualitative Assessment	99
Conclusion	100
References	100
 Part II. Seven Real-World Experiences in Establishing an Institutional Repository	 103
 Chapter 8. DigitalCommons@ILR: Institutional Repository Marketing and Development at the Catherwood Library, ILR School, Cornell University	 105
<i>Mary J. Newhart, Suzanne A. Cohen, and James D. DelRosso</i>	
Introduction	105
Background	105
The Need for Strategic Planning	106
Adopting a Marketing Philosophy	107
Finding a Champion and Building Support	108
Measuring Success	109
The Future	110
References	110
 Chapter 9. Implementing an Institutional Repository Using DigiTool: The Colorado State University Experience	 111
<i>Dawn Bastian Paschal</i>	
Introduction	111
Setting	111
IR Pilot Project	112
Strategic Planning and the IR	112
Preliminary Decision Making	113
Development of the IR	113
Software Evaluation and Selection	113
Development of Policies and Guidelines	115
Implementation and Project Management	116
Metadata	117
Marketing and Promotion	118
Populating the CSU IR	118
The CSU IR Two Years Later	119
Conclusion	119
 Chapter 10. Implementing an Institutional Repository: The Process in the Small College Environment at Macalester College	 121
<i>Janet C. Sietmann and Teresa A. Fishel</i>	
Introduction	121

Who We Are	121
Change in Scholarly Work and the Transition to Library as Publisher	122
Planning	122
Platform	123
Promoting	124
Transitioning from Populating to Preserving to Publishing	125
Where Are We Today?	126
Where Are We Headed?	126
Road Map for Success, or Strategies That Worked for Us	127
Conclusion	128
Chapter 11. IDEALS: Shifting to a Service Focus at the University of Illinois	129
<i>Sarah L. Shreeves</i>	
Introduction	129
Brief History of IDEALS	129
IDEALS' Scope, Policies, and Services	131
Lessons Learned	133
References	136
Chapter 12. Implementing an Institutional Repository: The Process at Texas State University–San Marcos	137
<i>Joan L. Heath and Todd C. Peters</i>	
Beginnings	137
IR Platforms	137
Staffing	138
Budget	139
Policies and the Working IR	139
IR Content	140
Marketing	142
Increasing and Assessing Use	142
Next Steps	143
Chapter 13. Enabling Innovation from Day One: The Institutional Repository at the University of New Mexico	145
<i>Johann van Reenen</i>	
Introduction	145
Working Together or Alone	145
Content Policy Development: Documenting the Work of the Academy	147
UNM's IR Policies	148
Community Guidelines	148
Purposing the IR to Archive the Complete Research Cycle	150
Example 1. IDEC: Imagery Data Extraction Collaborative	151
Example 2. The Nepal Study Center	152

Starting, Strengthening, and Managing Institutional Repositories

Example 3. The Latin American Social Medicine Collection	153
Example 4. Collections from the Law School	153
Conclusion	153
References	154
Chapter 14. DigitalCommons@University of Nebraska–Lincoln	155
<i>Paul Royster</i>	
Introduction	155
Staffing and Budget	159
Platform	159
Policies and Preservation	160
Marketing and Recruitment	160
Collection Development	161
Usage	161
Suggested Readings	162
Index	163
About the Author and Contributors	167

Index

A

- Access, 53–55
- Administrators (of repository communities and series), 49–50
- Advocates, 78–79
- Alliance for Information Science and Technology Innovation (AISTI), 145–147
- Archival records, 83
- Assessment, 13, 93–94, 98–100
 - at Cornell, 109–110
- Author addendums (to publisher agreements), 57, 82

B

- Benefits of IRs, 53, 64, 65, 68–71
- Branding, 66
- Budgeting
 - file formats and, 53
 - hardware and software, 20–21
 - personnel, 21–22
 - planning and, 18–19

C

- Catalogs, 98
- CDS Invenio, 44
- Centralized repositories, 146
- Collection development
 - content types, 82–89
 - initial steps, 77–78
 - problems of, 11, 13–15
 - workflow, 89–90
- Collection development policies
 - at Cornell, 107
 - at the University of Illinois, 131
 - at the University of New Mexico, 147–148
- Collections (repository series), policies for, 48–50
- Commercial platforms
 - contributors and, 50, 51
 - file formats and, 53
 - qualities, 38–39
 - See also* ContentDM®; DigitalCommons; DigiTool; Open Repository; Platforms

- Commercial use (of content), 59–60
- Communities (repository groups)
 - policies for, 48–50
 - student vs. faculty, 85
- Conferences, 84
- Consortia, 23, 145–147
- Content recruitment. *See* Collection development
- Content types
 - and collection development, 82–89
 - policies for, 51–53
- CONTENTdm®, 40–42, 112
- Contributors
 - assessing the needs of, 63–65
 - policies for, 50–51
- Copyright
 - and collection development, 79–82
 - librarians' expertise and, 14
 - student contributions and, 51
 - submission agreements and, 56–57
 - use of content policies and, 54–55
 - withdrawal of content and, 58
- Creative Commons, 54–55

D

- Data sets, 84–85
- Definition of institutional repository, 1, 65–66
- DigitalCommons, 39–40
 - at Cornell, 105–110
 - at Macalester, 123–124
 - at Texas State, 137
 - at the University of Nebraska, 155, 159–160
- Digitization, 88
- DigiTool, 42–43
 - at Colorado State, 114–115, 117, 118
- DSpace, 32–34
 - at the University of Illinois, 130–131
- Dublin Core, 94, 97

E

- Early adopters, 11–12
- Education materials, 85

Starting, Strengthening, and Managing Institutional Repositories

Electronic theses and dissertations, 18, 86–88
 at Colorado State, 117
 at Texas State, 140–141
Embargoes, 88
Eprints, 34–36
ETD-db, 44
ETDs. *See* Electronic theses and dissertations

F

Faculty, 49–50
Fedora, 37–38
Fees (for repository space), 59
File formats, 53, 59
Funding, 18, 22–23. *See also* Budgeting

G

Grants, 23, 69
Gray literature, 52, 82–83
Greenstone, 44

I

Interoperability, 93, 96–97

J

Journals, 86
 at Colorado State, 119
 at Cornell, 108
 at Macalester, 125, 127
 at the University of New Mexico, 152

L

Legal issues
 copyright and, 80, 82
 counsel review, 60
 mandates, 91
 submission agreements and, 55, 57
 withdrawal and, 58
Liaisons, 11, 25, 27, 64, 78
Librarians
 role in IRs, 9–15, 58–59, 88–90
 skill sets needed, 24–25
Links (to the repository), 98
Listservs, 15

M

Mandates, 18, 90–91
Marketing
 at Colorado State, 118
 at Cornell, 107–108
 documents, 72, 74
 at Macalester, 124–125
 message content, 65–71
 message delivery, 71–75

plans, 63–64
resources for, 21–22
surveys, 63–64
 at Texas State, 142
 at the University of Nebraska, 160–161

Metadata

 at Colorado State, 117–118
 for data sets, 84–85
 for ETDs, 87
 for increasing use, 93, 94, 95
 platform selection and, 30
 preservation, 94–95
 submission policies and, 58
 technical services staff and, 27
 types, 94–95

Migration, 143

N

Networked Digital Library of Theses and
 Dissertations, 87
Newsletters, 83

O

OAI-ORE, 97
OAI-PMH, 30, 69, 93, 96–97
OAIster, 69
Open access, 1–2
 journals, 79
 mandates, 90–91
 marketing and, 69
 models, 154
 open source platforms and, 32
Open Repositories (conference), 22
Open Repository (platform), 43–44
Open source platforms
 budgeting and, 20
 definition, 31–32
 staffing, 27, 29–30, 31
 See also DSpace; Eprints; Fedora; Platforms
OpenDOAR, 4
Outreach. *See* Marketing

P

Planning, 13, 17–19
 at Colorado State, 112–113, 115–116
 at Cornell, 106–107
 at Macalester, 122–123
Platforms
 commercial (*see* Commercial platforms)
 commercial vs. open source, 18–19, 20–22, 31–32
 open source (*see* Open source platforms)
 planning and, 18–19
 selecting, 30–44
 selection at Colorado State, 113–115
 selection at Macalester, 123–124
 selection at Texas State, 137–138

Policies

- at Colorado State, 116
- communities and collections, 48–49
- content types, 51–53
- contributors, 50–51
- fees, 59
- file formats, 53
- preservation, 58–59
- privacy, 60
- purposes, 47–48
- submissions, 55–58
- at Texas State, 139–140
- at the University of Illinois, 131–132
- at the University of Nebraska, 160
- at the University of New Mexico, 148–150
- use of content, 53–55, 59–60
- versioning, 53
- withdrawal, 58

Postprints, 80

PREMIS, 95

Preprints, 80

Preservation, 3–4

- as a benefit, 69–70
- at Colorado State, 116
- file formats, 32
- of gray literature, 52, 83
- librarians' role in, 10, 27
- metadata, 94–95
- policies, 58–59
- at the University of Illinois, 132

Privacy, 60

Purpose of IRs, 1–5, 9–11, 52–53

R

Registry of Open Access Repository Material

Archiving Policies (ROARMAP), 91

Repoman listserv, 15

Repository 66, 31

Resource discovery, 94–95

ROARMAP, 91

S

Scholarly communication

- crisis in, 2, 10–11, 14, 50, 96
- economics of, 3, 67–68, 83

Science Commons, 54

Search engines, 96, 97–98

Series. *See* Collections

Sherpa/RoMEO, 81, 82

SPARC-IR listserv, 15

Staffing

- leadership in, 11–12, 13, 26–27
- planning and, 18–19
- platform selection and, 29–30
- resources for, 13, 21–22
- skills required, 23–26
- teaming, 27
- at Texas State, 138–139

Structure (of the IR), 30

Students

- as administrators, 49
- at Colorado State, 112, 116
- as contributors, 50–51
- at Macalester, 124–125
- publications of, 85–86
- at Texas State, 139, 140, 143
- at the University of Illinois, 131
- at the University of Nebraska, 159
- See also* Electronic theses and dissertations

Subject specialists. *See* Liaisons

Submission agreements, 55–57, 60

Submissions, policies for, 55–58

Surveys

- for assessment, 99–100
- of needs, 63–64

T

Technical services staff, 27, 90

Trustworthy Repositories Audit and Certification, 130

U

University administrators, 79, 90–91

at Colorado State, 112–113

at Cornell, 107

at the University of Illinois, 129–130, 135–136

Use (of repository content)

- increasing, 93–98, 161–162
- policies, 53–55
- statistics, 93, 99

V

Versioning, 53

VITAL, 44

W

Withdrawal policies, 58

Workflow, 89–90