Making Migration Less Mysterious: Developing a Migration Plan for ScholarWorks@UMassAmherst

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Northeast Institutional Repository Day 2023

Erin Jerome, Library Publishing & Institutional Repository Librarian, University of Massachusetts Amherst

Background

July 2006

ScholarWorks@UMassAmherst

Launched on bepress' Digital Commons

August 2017

Elsevier acquires bepress

January 2021

Repository Assessment Task Force

Infrastructure assessment and stakeholder feedback

August 2021

Interim Report presented to Library Leadership

.

Fall 2022

Repository Task Force 2.0

Identify platforms and make recommendations

January 2023

Final Report presented to Library Leadership

Migrate to Atmire-hosted DSpace 7.x and Janeway

January 2023: ScholarWorks overview

- ~ 58,000 works
- 1.2 TB in size
  - Audio files: 6GB
  - Video files: 97 GB
- 11 active journals/conference proceedings migrating to Janeway

Project roadmap

- Step one - interviews
- Step two - draft migration plan
- Step three - cleanup, cleanup, cleanup

Step one: Interviews

1. What kind of preparation did you do?
2. Did you leave content behind (i.e., choose not to migrate particular items)?
3. Did you migrate any journals?
4. What did your migration team look like?
5. Did you encounter anything unexpected during the process?
6. Are there things that you wish you'd handled differently?

Interview takeaways

- Keep your migration team small and agile
- Expect to find inconsistent metadata mappings to Dublin Core
- Bepress' Amazon S3 backups are not truly real-time
- Digital Commons does not provide metadata to indicate hidden items
- Mapped items are not clearly represented in S3 exports
- Embargoes do not migrate well
- Collection level metadata does not migrate

Step two: Draft Migration Plan

- Schedule standing weekly 30-minute migration team check-ins
  - Four person team + consultants as needed
- No new collections or journals
- Maintain current organizational hierarchy in IR
- Focus on cleanup of duplicate items, link outs, and items with 50+ authors
- Identify metadata only items for possible deletion
- Track embargoed and mapped items for post-migration correction

Draft Migration Plan (continued)

- Save peer reviewer lists and manuscripts in process for journals
- Save all collection-related metadata and administrator information
- Develop content freeze workaround for May 2024 graduates
- Develop communication plan
- Migration plan as living document

Parking lot: what to do with the Expert Gallery Suite

Step Three: Cleanup

- Initial Content Inventory reports exceeded column limits in Excel
  - One metadata only article, uploaded in triplicate, listed **2279** individual authors
- Excel corrupted file warnings
  - Special characters in item level metadata were throwing errors and had to be removed
- 24,000 metadata only items
  - **3,000** of which were uploaded 2-4 times
- **700** items that listed **50 - 1,000** individual authors
- Hidden items
- Items that link out
- Author list

Harvested metadata only items

Collection	Total number of items	Items w/ PDFs	Metadata only	Notes
pse_faculty_pubs	1002	21	981	polymer science & engineering
ece_faculty_pubs	974	36	938	
chem_faculty_pubs	1126	219	907	
cs_faculty_pubs	1022	272	750	computer science
che_faculty_pubs	695	143	552	
math_faculty_pubs	951	467	484	
astro_faculty_pubs	941	461	480	

Submissions from 2010

Polymerization of Monomer-Based Ferrofluids, P Bian and TJ McCarthy

An Age-Old Printing Process Goes Nano, KR Carter

Enhancement of anhydrous proton transport by supramolecular nanochannels in comb polymers, YB Chen, M Thorn, S Christensen, C Versek, A Poe, RC Hayward, MT Tuominen, and S Thayumanavan

Precise placements of metal nanoparticles from reversible block copolymer nanostructures, H Cho, H Park, TP Russell, and S Park

Aspects of Network Formation in Glassy Thermosets, AT Detwiler and AJ Lesser

Adsorption Energy of Nano- and Microparticles at Liquid-Liquid Interfaces, K Du, E Glogowski, T Emrick, TP Russell, and AD Dinsmore

Quantitative Poly(vinyl alcohol) Modification in Ionic Liquids: Esterification and Urethanation with Low Surface Tension Producing Reagents, SA Eastman, AJ Lesser, and TJ McCarthy

Formation of SiO2 Air-Gap Patterns Through scCO(2) Infusion of NIL Patterned PHEMA, JR Ell, TA Crosby, JJ Peterson, KR Carter, and JJ Watkins

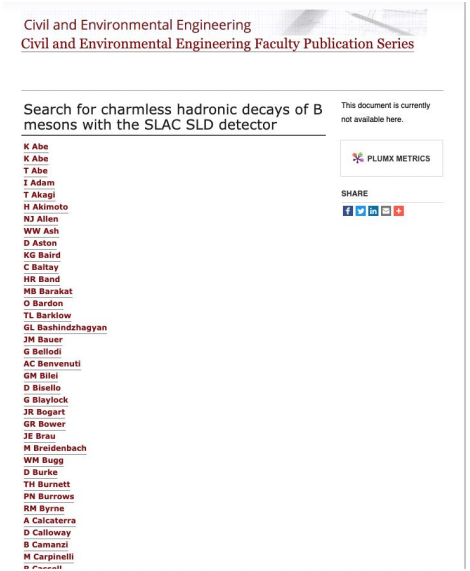
Manipulating Protein Adsorption using a Patchy Protein-Resistant Brush, S Gon, M Bendersky, JL Ross, and MM Santore

Topological Defects in Twisted Bundles of Two-Dimensionally Ordered Filaments, GM Grason

Thermoreversible Gelation of an Ionic Liquid by Crystallization of a Dissolved Polymer, JM Harner and DA Hoagland

Multi-author items: before cleanup

Item view



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Search for charmless hadronic decays of B mesons with the SLAC SLD detector

K Abe
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T Abe
I Adam
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C Baltay
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O Bardon
TL Barklow
GL Bashindzhagyan
JM Bauer
G Bellodi
AC Benvenuti
GM Bilei
D Bisello
G Blaylock
JR Bogart
GR Bower
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M Breidenbach
WM Bugg
D Burke
TH Burnett
PN Burrows
RM Byrne
A Calcaterra
D Calloway
B Camanzi
M Carpinelli

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Recommended citation

Recommended Citation

Abe, K; Abe, K; Abe, T; Adam, I; Akagi, T; Akimoto, H; Allen, NJ; Ash, WW; Aston, D; Baird, KG; Baltay, C; Band, HR; Barakat, MB; Bardon, O; Barklow, TL; Bashindzhagyan, GL; Bauer, JM; Bellodi, G; Benvenuti, AC; Bilei, GM; Bisello, D; Blaylock, G; Bogart, JR; Bower, GR; Brau, JE; Breidenbach, M; Bugg, WM; Burke, D; Burnett, TH; Burrows, PN; Byrne, RM; Calcaterra, A; Calloway, D; Camanzi, B; Carpinelli, M; Cassell, R; Castaldi, R; Castro, A; Cavalli-Sforza, M; Chou, A; Church, E; Cohn, HO; Coller, JA; Convery, MR; Cook, V; Cowan, RF; Coyne, DG; Crawford, G; Damerell, CJS; Danielson, MN; Daoudi, M; de Groot, N; Dell'Orso, R; Dervan, PJ; de Sangro, R; Dima, M; Dong, DN; Doser, M; Dubois, R; Eisenstein, BI; Erofeeva, I; Eschenburg, V; Etzion, E; Fahey, S; Falciai, D; Fan, C; Fernandez, JP; Fero, MJ; Flood, K; Frey, R; Gifford, J; Gillman, T; Gladding, G; Gonzalez, S; Goodman, ER; Hart, EL; Harton, JL; Hasuko, K; Hedges, SJ; Hertzbach, SS; Hildreth, MD; Huber, J; Huffer, ME; Hughes, EW; Huynh, X; Hwang, H; Iwasaki, M; Jackson, DJ; Jacques, P; Jaros, JA; Jiang, ZY; Johnson, AS; Johnson, JR; Johnson, RA; Junk, T; Kajikawa, R; Kalelkar, M; Kamyshkov, Y; Kang, HJ; Karliner, I; Kawahara, H; Kim, YD; King, ME; King, R; Kofler, RR; Krishna, NM; Kroeger, RS; Langston, M; Lath, A; Leith, DWG; Lia, V; Lin, C; Liu, MX; Liu, X; Loreti, M; Lu, A; Lynch, HL; Ma, J; Mahjouri, M; Mancinelli, G; Manly, S; Mantovani, G; Markiewicz, TW; Maruyama, T; Masuda, H; Mazzucato, E; McKemey, AK; Meadows, BT; Menegatti, C; Messner, R; Mockett, PM; Moffeit, KC; Moore, TB; Morii, M; Muller, D; Murzin, V; Nagamine, T; Narita, S; Nauenberg, U; Neal, H; Nussbaum, M; Oishi, N; Onoprienko, D; Osborne, LS; Panvini, RS; Park, CH; Pavel, TJ; Peruzzi, I; Piccolo, M; Piemontese, L; Pitts, KT; Plano, RJ; Prepost, R; Prescott, CY; Punkar, GD; Quigley, J; Ratcliff, BN; Reeves, TW; Reidy, J; Reinertsen, PL; Rensing, PE; Rochester, LS; Rowson, PC; Russell, JJ; Saxton, OH; Schalk, T; Schindler, RH; Schumm, BA; Schwiening, J; Sen, S; Serbo, VV; Shaevitz, MH; Shank, JT; Shapiro, G; Sherden, DJ; Shmakov, KD; Simopoulos, C; Sinev, NB; Smith, SR; Smy, MB; Snyder, JA; Staengle, H; Stahl, A; Stamer, P; Steiner, H; Steiner, R; Strauss, MG; Su, D; Suekane, F; Sugiyama, A; Suzuki, S; Swartz, M; Szumilo, A; Takahashi, T; Taylor, FE; Thom, J; Torrence, E; Toumbas, NK; Usher, T; Vannini, C; Va'vra, J; Vella, E; Venuti, JP; Verdier, R; Verdini, PG; Wagner, DL; Wagner, SR; Waite, AP; Walston, S; Watts, SJ; Weidemann, AW; Weiss, ER; Whitaker, JS; White, SL; Wickens, FJ; Williams, B; Williams, DC; Williams, SH; Willocq, S; Wilson, RJ; Wisniewski, WJ; Wittlin, JL; Woods, M; Word, GB; Wright, TR; Wyss, J; Yamamoto, RK; Yamartino, JM; Yang, X; Yashima, J; Yellin, SJ; Young, CC; Yuta, H; Zapalac, G; Zdarko, RW; and Zhou, J, "Search for charmless hadronic decays of B mesons with the SLAC SLD detector" (2000). *PHYSICAL REVIEW D*. 487.
https://doi.org/10.1103/PhysRevD.62.071101

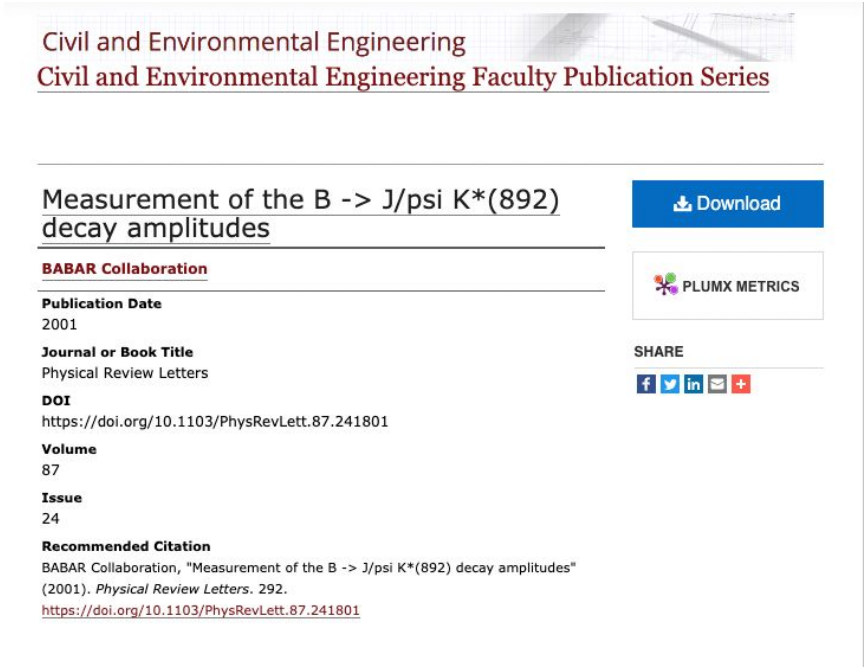
Collection view

Submissions from 2000

Search for charmless hadronic decays of B mesons with the SLAC SLD detector, K Abe, K Abe, T Abe, I Adam, T Akagi, H Akimoto, NJ Allen, WW Ash, D Aston, KG Baird, C Baltay, HR Band, MB Barakat, O Bardon, TL Barklow, GL Bashindzhagyan, JM Bauer, G Bellodi, AC Benvenuti, GM Bilei, D Bisello, G Blaylock, JR Bogart, GR Bower, JE Brau, M Breidenbach, WM Bugg, D Burke, TH Burnett, PN Burrows, RM Byrne, A Calcaterra, D Calloway, B Camanzi, M Carpinelli, R Cassell, R Castaldi, A Castro, M Cavalli-Sforza, A Chou, E Church, HO Cohn, JA Coller, MR Convery, V Cook, RF Cowan, DG Coyne, G Crawford, CJS Damerell, MN Danielson, M Daoudi, N de Groot, R Dell'Orso, PJ Dervan, R de Sangro, M Dima, DN Dong, M Doser, R Dubois, BI Eisenstein, I Erofeeva, V Eschenburg, E Etzion, S Fahey, D Falciai, C Fan, JP Fernandez, MJ Fero, K Flood, R Frey, J Gifford, T Gillman, G Gladding, S Gonzalez, ER Goodman, EL Hart, JL Harton, K Hasuko, SJ Hedges, SS Hertzbach, MD Hildreth, J Huber, ME Huffer, EW Hughes, X Huynh, H Hwang, M Iwasaki, DJ Jackson, P Jacques, JA Jaros, ZY Jiang, AS Johnson, JR Johnson, RA Johnson, T Junk, R Kajikawa, M Kalelkar, Y Kamyshkov, HJ Kang, I Karliner, H Kawahara, YD Kim, ME King, R King, RR Kofler, NM Krishna, RS Kroeger, M Langston, A Lath, DWG Leith, V Lia, C Lin, MX Liu, X Liu, M Loreti, A Lu, HL Lynch, J Ma, M Mahjouri, G Mancinelli, S Manly, G Mantovani, TW Markiewicz, T Maruyama, H Masuda, E Mazzucato, AK McKemey, BT Meadows, C Menegatti, R Messner, PM Mockett, KC Moffeit, TB Moore, M Morii, D Muller, V Murzin, T Nagamine, S Narita, U Nauenberg, H Neal, M Nussbaum, N Oishi, D Onoprienko, LS Osborne, RS Panvini, CH Park, TJ Pavel, I Peruzzi, M Piccolo, L Piemontese, KT Pitts, RJ Plano, R Prepost, CY Prescott, GD Punkar, J Quigley, BN Ratcliff, TW Reeves, J Reidy, PL Reinertsen, PE Rensing, LS Rochester, PC Rowson, JJ Russell, OH Saxton, T Schalk, RH Schindler, BA Schumm, J Schwiening, S Sen, VV Serbo, MH Shaevitz, JT Shank, G Shapiro, DJ Sherden, KD Shmakov, C Simopoulos, NB Sinev, SR Smith, MB Smy, JA Snyder, H Staengle, A Stahl, P Stamer, H Steiner, R Steiner, MG Strauss, D Su, F Suekane, A Sugiyama, S Suzuki, M Swartz, A Szumilo, T Takahashi, FE Taylor, J Thom, E Torrence, NK Toumbas, T Usher, C Vannini, J Va'vra, E Vella, JP Venuti, R Verdier, PG Verdini, DL Wagner, SR Wagner, AP Waite, S Walston, SJ Watts, AW Weidemann, ER Weiss, JS Whitaker, SL White, FJ Wickens, B Williams, DC Williams, SH Williams, S Willocq, RJ Wilson, WJ Wisniewski, JL Wittlin, M Woods, GB Word, TR Wright, J Wyss, RK Yamamoto, JM Yamartino, X Yang, J Yashima, SJ Yellin, CC Young, H Yuta, G Zapalac, RW Zdarko, and J Zhou

Precise measurement of the b-quark fragmentation function in Z(0) boson decays, K Abe, K Abe, T Abe, I Adam, H Akimoto, D Aston, KG Baird, C Baltay, HR Band, TL Barklow, JM Bauer, G Bellodi, R Berger, G Blaylock, JR Bogart, GR Bower, JE Brau, M Breidenbach, WM Bugg, D Burke, TH Burnett, PN Burrows, A Calcaterra, R Cassell, A Chou, HO Cohn, JA Coller, MR Convery, V Cook, RF Cowan, G Crawford, CJS Damerell, M Daoudi, S Dasu, N de Groot, R de Sangro, DN Dong, M Doser, R Dubois, I Erofeeva, V Eschenberg, E Etzion, S Fahey, D Falciai, JP Fernandez, K Flood, R Frey, EL Hart, K Hasuko, SS Hertzbach, ME Huffer, X Huynh, M Iwasaki, DJ Jackson, P Jacques, JA Jaros, ZY Jiang, AS Johnson, JR Johnson, R Kajikawa, M Kalelkar, H Kang, RR Kofler, RS Kroeger, M Langston, DWG Leith, V Lia, C Lin, G Mancinelli, S Manly, G Mantovani, TW Markiewicz, T Maruyama, AK McKemey, R Messner, KC Moffeit, TB Moore, M Morii, D Muller, V

Multi-author items: after cleanup



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Measurement of the B -> J/psi K*(892) decay amplitudes

BABAR Collaboration

Publication Date
2001

Journal or Book Title
Physical Review Letters

DOI
https://doi.org/10.1103/PhysRevLett.87.241801

Volume
87

Issue
24

Recommended Citation
BABAR Collaboration, "Measurement of the B -> J/psi K*(892) decay amplitudes" (2001). *Physical Review Letters*. 292.
https://doi.org/10.1103/PhysRevLett.87.241801

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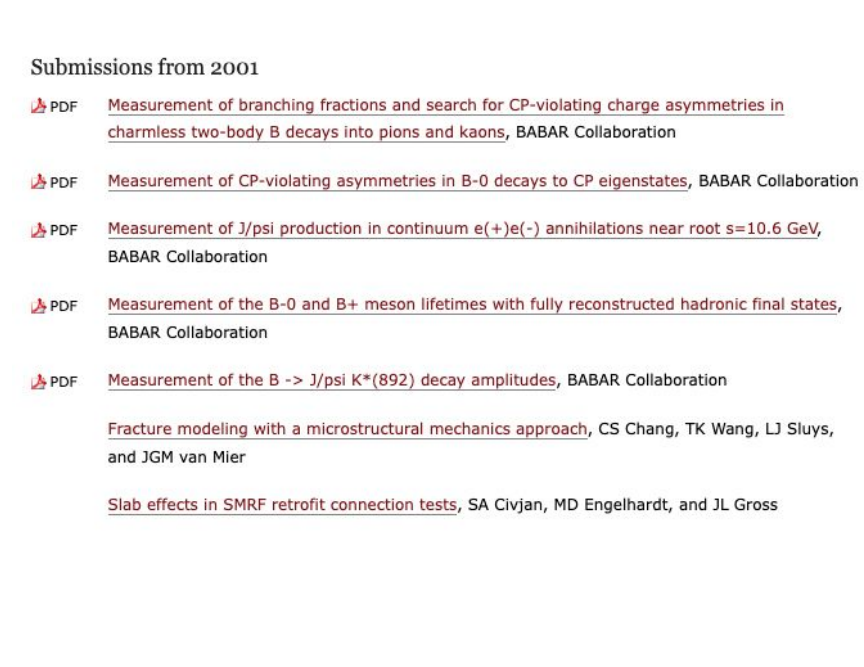


Submissions from 2001

PDF Measurement of branching fractions and search for CP-violating charge asymmetries in charmless two-body B decays into pions and kaons, BABAR Collaboration

PDF Measurement of CP-violating asymmetries in B-0 decays to CP eigenstates, BABAR Collaboration

PDF Measurement of J/psi production in continuum e(+)e(-) annihilations near root s=10.6 GeV, BABAR Collaboration

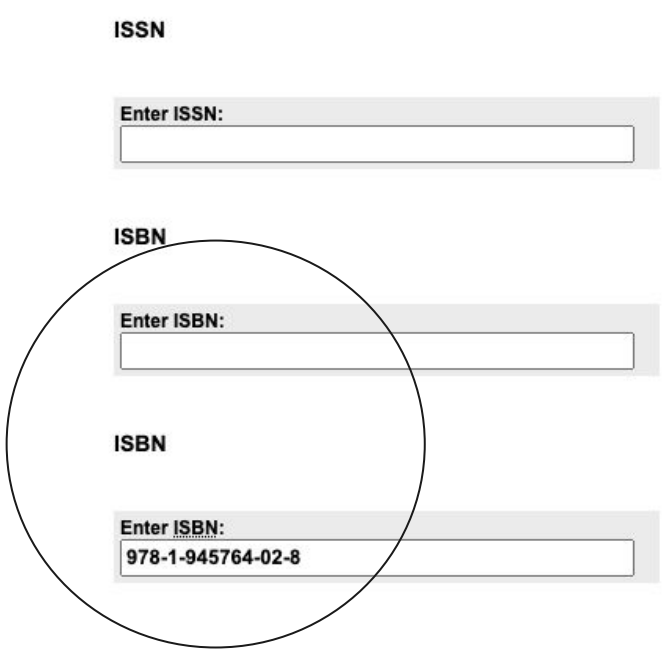
PDF Measurement of the B-0 and B+ meson lifetimes with fully reconstructed hadronic final states, BABAR Collaboration

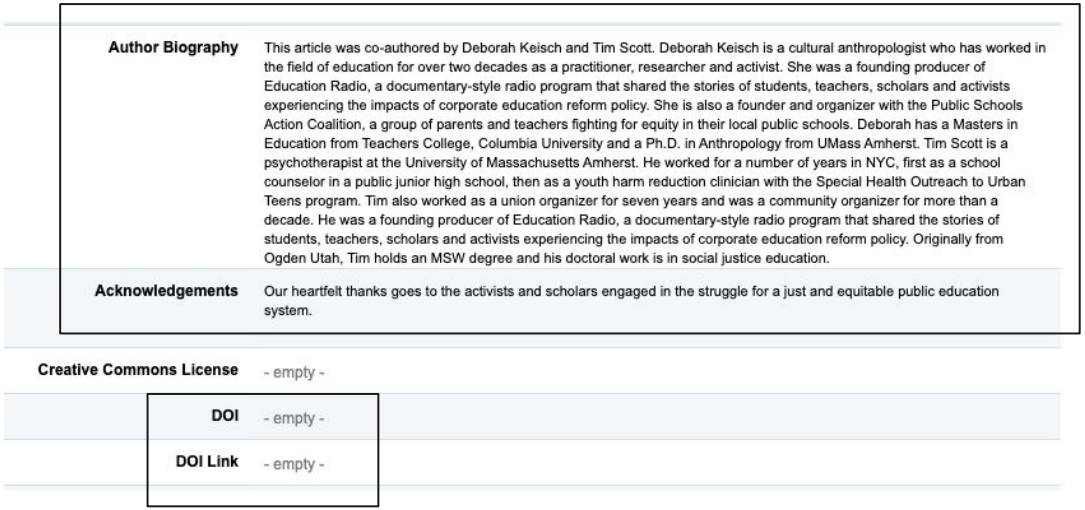
PDF Measurement of the B -> J/psi K*(892) decay amplitudes, BABAR Collaboration

Fracture modeling with a microstructural mechanics approach, CS Chang, TK Wang, LJ Sluys, and JGM van Mier

Slab effects in SMRF retrofit connection tests, SA Civjan, MD Engelhardt, and JL Gross

Adventures in metadata mapping





Lessons Learned

- Avoid custom metadata fields
- Add collections that you can shepherd all the way through the process
- Adhere to best practices for your platform (and for IRs in general)
- If the thing you want to do requires a lot of customization, maybe it's not the right fit
- Keep future you in mind when approaching big changes/big projects
- Timelines are aspirational

Next steps

- Continue with metadata mapping
- Outreach to departments with large metadata only collections
- Clean up the “Browse by Author” page (https://scholarworks.umass.edu/authors.html)
- Prepare communication plan for release in January 2024
- And…figure out what we’re doing with all of our EGS profiles

Thank you!

Email me: ewjerome@umass.edu