

Gold Rush Analytics

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Colorado Alliance of Research Libraries

- Incorporated in 1981 at 501c3 non-profit
- 16 member libraries (15 academic, 1 public) one out of state library (University of Wyoming)
- Programmatic Focus all are opt-in
 - E-resource licensing 250 contracts (>\$19 million)
 - Prospector union catalog 100+ libraries, 15+ million unique MARC records
 - Gold Rush
 - Alliance Shared Print Trust (launched 2015)
- A history of innovation and software development



Gold Rush Analytics Technical Overview

- Developed and hosted by the Colorado Alliance of Research Libraries
- Highly modified Blacklight/Solr implementation
 - Uses mostly open-source software with a few exceptions (e.g. charting)
- Servers located at the University of Denver
 - Much less expensive than AWS hosting at this point
- Code is backed-up in GitHub
- Offered as a service by the Colorado Alliance at cost
 - No startup fees
 - Friendly contract options





Why We Created the System

- Alliance Shared Print Trust
 - Covers academic libraries in Colorado and Wyoming
 - Broad agreement (MOU) signed by participating libraries
 - Circulating monographs policy, Serials policy, Disclosure policy
 - 25-year commitment, reviewed every 5 years
- An analysis tool was needed that was affordable and flexible
 - Real time comparative analysis at-scale
 - Can be regularly updated, as needed, by participating libraries
 - Creates a regional database of retention commitments
- Commercial tools are excellent but were too expensive for member libraries



Gold Rush Analytics – 2 modules

Two comparison modules in the system

- Journal comparison
 - Originally developed in 2003 to compare aggregators, publisher lists, indexing/abstracting services, local holdings (over 1,800 title lists)
 - Comparisons on ISSN/eISSN
 - Libraries may ingest holdings from an ILS, ERMS, discovery layer, RapidILL or other sources
 - Metadata is K-BART or thin metadata from vendors
- MARC record comparison tool
 - Full MARC record ingest
 - With special match key



Gold Rush Design Principles

- Must be scalable to work from the smallest to largest libraries
- Must work in real-time
- Must support single library and comparative analytics
- Must retain MARC records from each site
- Must support export of MARC, XML and delimited (Excel)
- Must show what's unique and overlapping, including visualizations
- Must be able to have searches or facets to work with virtually any fields in a MARC record
- Matching algorithm must be made from elements in a MARC record but NOT depend on OCLC #, ISBN, ISSN
- Must be easy-to-use!





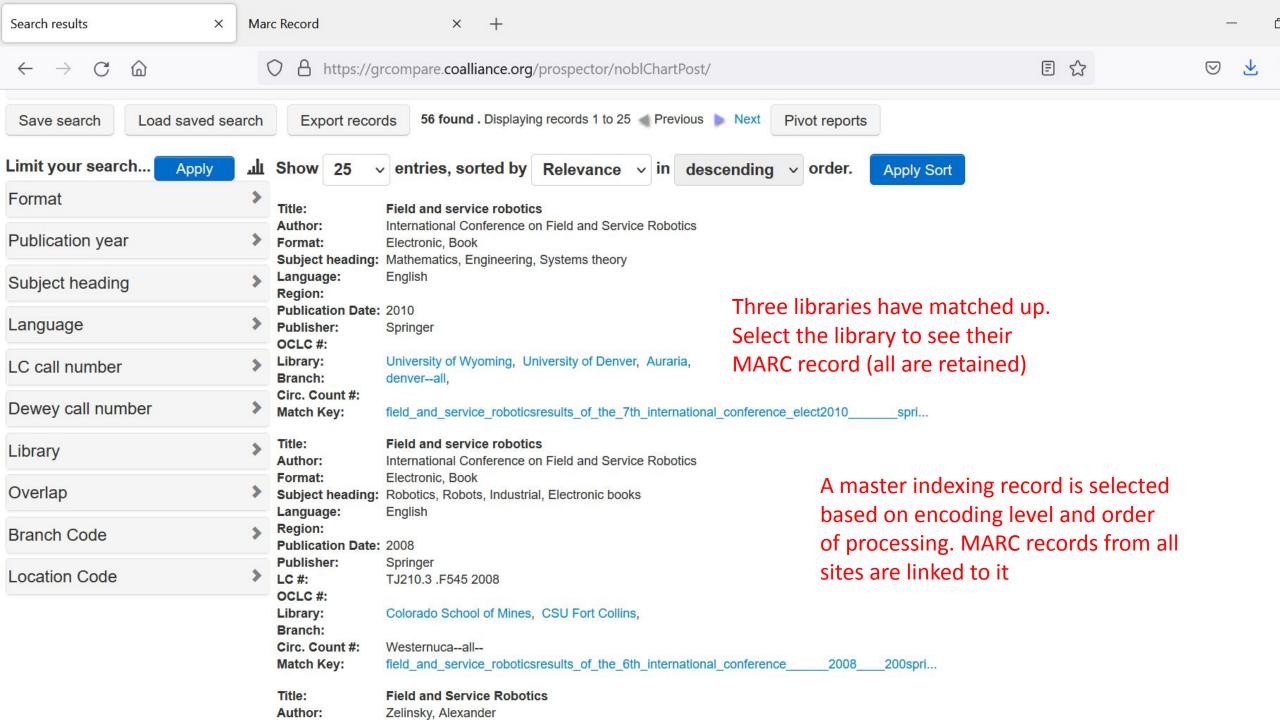
- Can load MARC21 Records from any system
 - Any item information should be in a 9XX field (not separate LHR records at this time)
 - Item-level retention commitments in MARC 583
- Suggested that full database updates be done regularly if needed
 - Deletes are currently handled through a complete database refresh
- SFTP (secure FTP) is used to deposit records in either a "full" or "updates" directory
- Profiling spreadsheet needed if branch/locations are loaded from item (holdings) records

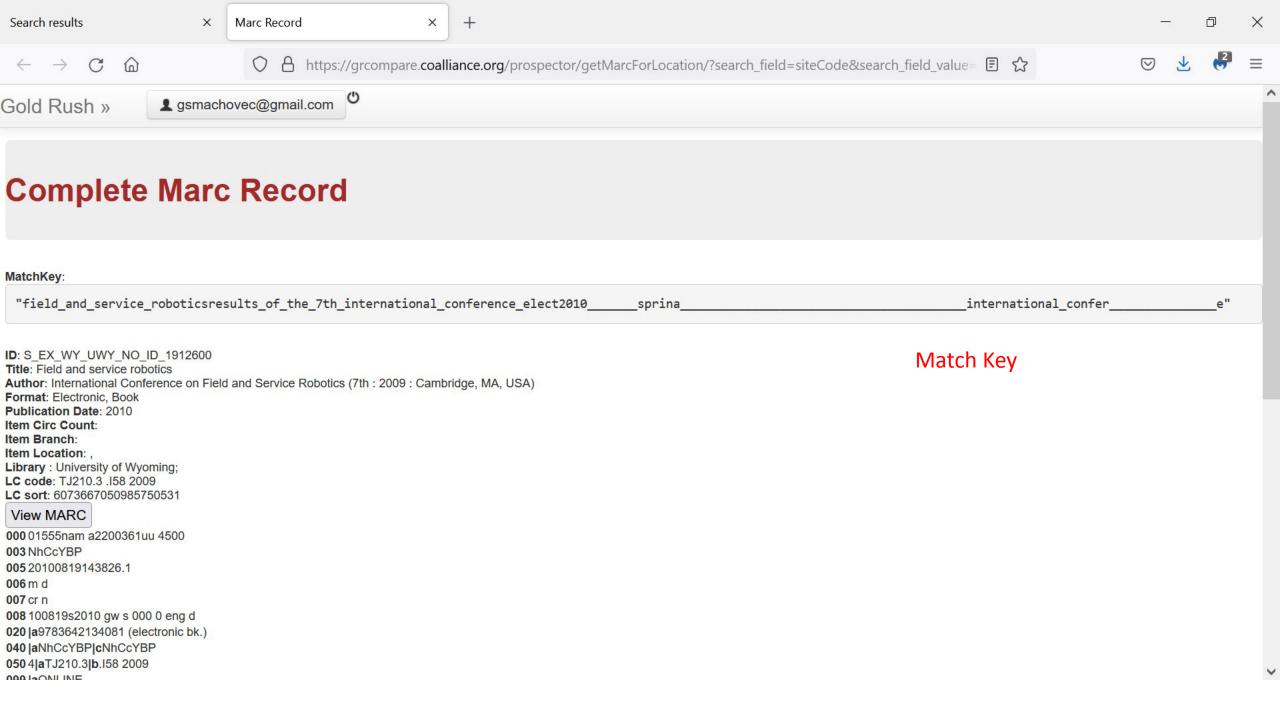




- Title
 - 245 \$a \$b (first 70 characters)
- General Media Description
 - 245 \$h
- Type
 - '_' Leader
- Title Part
 - 245 \$p
- Title Number
 - 245 \$n

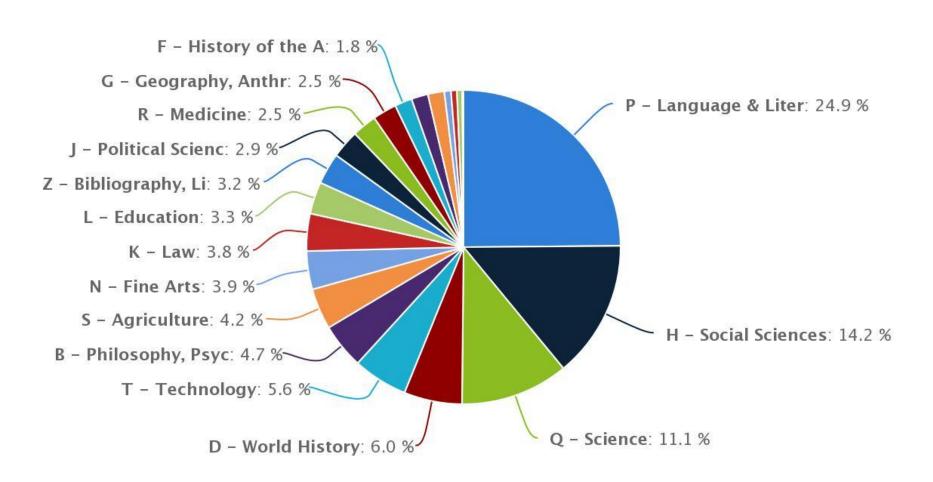
- Publication Year
 - 008 or 260 or 264 \$c
- Pagination
 - 300 \$a
- Edition Statement
 - 250 \$a
- Publisher Name
 - 260 or 264 \$b
- NO matching is done with ISBN, ISSN or OCLC # (although searchable)
- Match key ends with an "e" or "p" to separate electronic and print



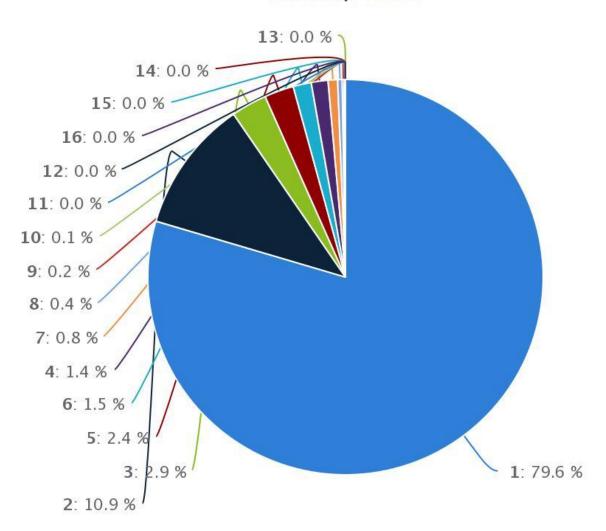


Sample Visualization Colorado Alliance Retention Commitments by LC Call Number

LC call number facet



Overlap facet



Uniqueness (Overlap)
of the global EAST
retention
commitments (n=6.8
million)

These may be fine-tuned by any of the available facets or searches

Sample Use Cases for GR Analytics



- A librarians view to your cataloging records
- Shared print programs
 - What to weed or add to shared print program
 - Analyzing overlap of retention commitments
- Collective Collection analytics. An interactive data lake
- Determining publisher backfile holdings for licensing negotiations
- Space analysis for a remodel or new building program
- Adding a new program on campus and want to compare holdings with an established institution with the same program
- Exports for cooperative programs, Google book scanning, aggregating records for discovery layers, etc.



Links of Interest

 Article in Collaborative Librarianship (April 2016) -http://digitalcommons.du.edu/collaborativelibrarianship/vol8/iss1/7/

 FAQ about Gold Rush https://www.coalliance.org/faq-library-content-comparison-system





- Gold Rush licensing
 - George Machovec, George@coalliance.org
 - Rose Nelson, rose@coalliance.org
- For general questions and Gold Rush support: goldrush@coalliance.org