United States Department of Agriculture
Economics, Statistics and Market Information System

Customizing and extending Hyrax for USDA publications

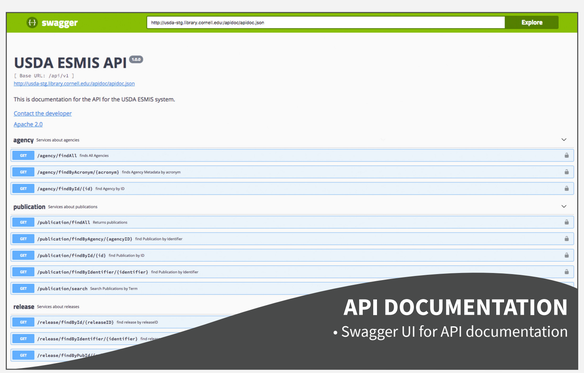
Tahir Poduska • Ashley Shea • John Fereira • Darcy Branchini • Lynette Rayle • Kevin Kidwell • Alan McCarty

SUCCESSES

- Ease of using Hyrax model for USDA agency publications
- Blacklight search interface using custom facets
- Integration of authorities for controlled vocabulary

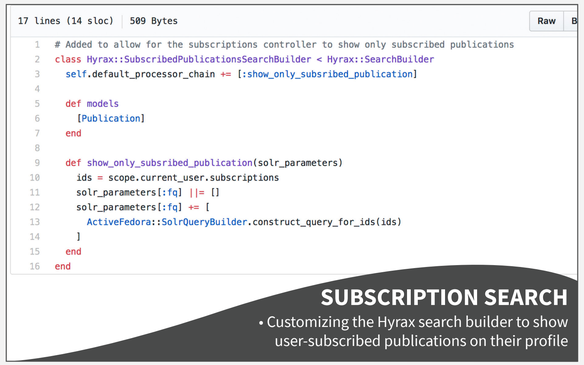
CHALLENGES

- Maintaining our customizations through Hyrax upgrades
- Fedora performance/clustering
- Reconfiguring the form to create a work based on user testing feedback

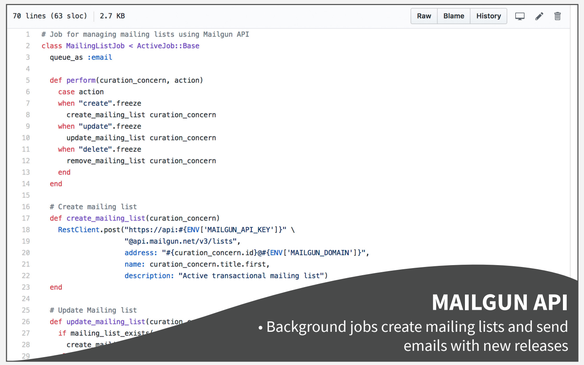


API DOCUMENTATION
• Swagger UI for API documentation

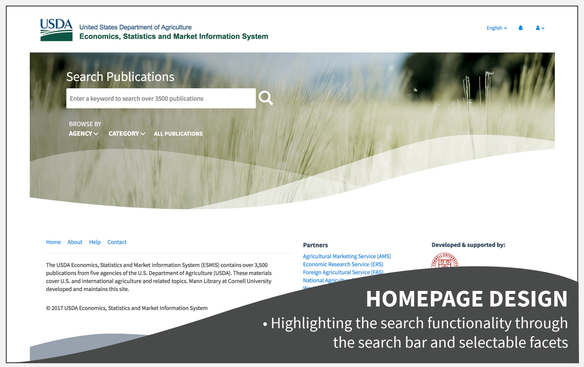
READ API EXAMPLE
• API output for release metadata for publication



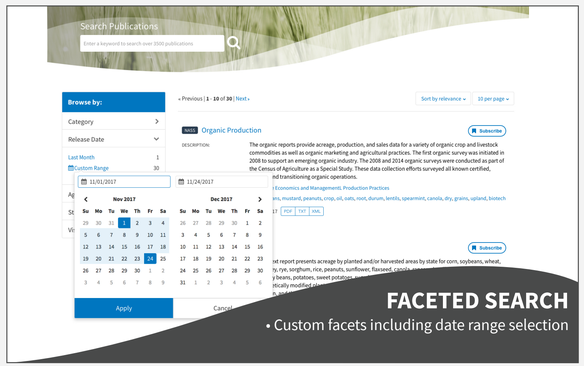
SUBSCRIPTION SEARCH
• Customizing the Hyrax search builder to show user-subscribed publications on their profile



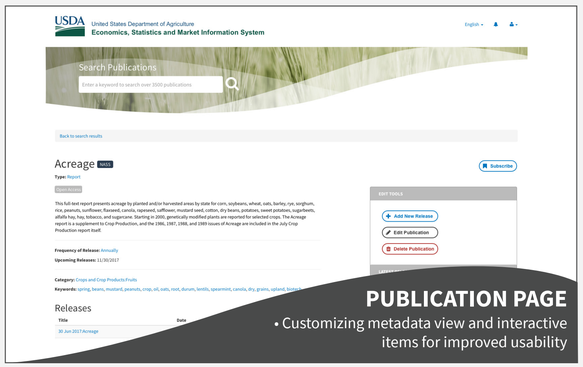
MAILGUN API
• Background jobs create mailing lists and send emails with new releases



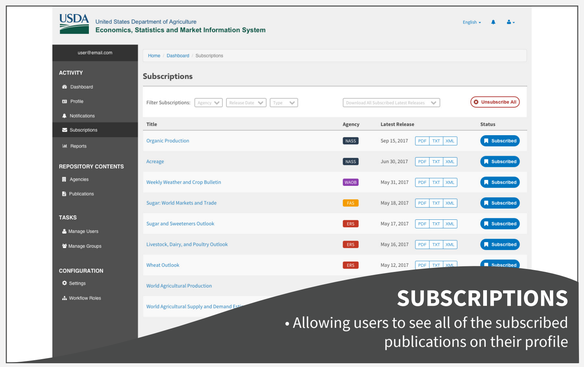
HOMEPAGE DESIGN
• Highlighting the search functionality through the search bar and selectable facets



FACETED SEARCH
• Custom facets including date range selection



PUBLICATION PAGE
• Customizing metadata view and interactive items for improved usability



SUBSCRIPTIONS
• Allowing users to see all of the subscribed publications on their profile