Updates: Primo, Keynote, & ELUNA Business Meeting. July 23, 2020.

What about developing an API for Internet Archive?

*Ex Libris Response***:** We have recently developed the Primo Search Webhook, allowing Primo to be extended to search external indexes. Institutions could develop a layer that converts the requests and response of that external index and extend the Primo search. For example KU-LUEVEN are implementing Search Webhook to make Project Gutenberg: Free eBooks available via Primo.

The digital viewer is this already available for Primo NUI?

*Ex Libris Response***:** This is currently available only for Primo VE as an embedded Alma Digital Viewer within the Full Display page.

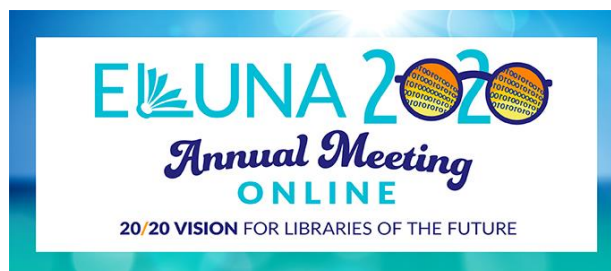**Is there a rough timeline for direct links to pdf and HTML full text for paywalled content?**

*Ex Libris Response***:** This is still being designed and developed. We plan to release things gradually, starting with open access mid-next year and then later the first step of paywalled content.

The direct links to PDF is this basically the Ex Libris version of LibKey?

*Ex Libris Response***:** Direct-linking to the relevant PDF goes beyond the current user flow of sending them through the link resolver menus and vendor landing pages. The concept here is both on the functional side, as well as content, and targets to allow the patron a seamless unmediated flow for as broad content possible.

Also, it has been proposed already to add DPLA to the KB (or an API not sure). What is the status of this? We have some collections in Internet Archive, but IA is no longer enabling OAI PMH integration, so we seem to be unable to pull our collections from IA into Primo.

*Ex Libris Response***:** We have some collections in Internet Archive (IA), but IA is no longer enabling OAI PMH integration. As a result, we are unable to pull our collections from IA into Primo. We encourage you to increase visibility to this particular issue on the Content Idea Exchange.

How do you manage ideas exchange / ners in light of Primo/Primo VE planning?

Ex Libris Response: When looking at the submitted ideas we consider the total number of votes received and factor in votes with lesser a number, if it is an idea that is specific to one flavour such as Back Office or specific for Primo VE.
There are also some ideas that are about integration with Alma or the Higher Education platform which can only be done in Primo VE, where other ideas maybe be general functionality that is relevant for both.

Why Primo customer doesn't gets OBI DV? Will they get in the future?

Ex Libris Response: Oracle Data Visualization is not an integral part of OAS, but an additional tool that can be added and deployed with OAS.
DV has been licensed for the Higher-Ed platform and is being deployed at this stage in a 'preview mode'. This rollout includes development, deployment, and ongoing maintenance. The higher-ed platform products (Alma, Primo VE, Leganto & Esploro) are all utilizing the platform assets and will receive DV as part of the central rollout. Other products, such as Primo (Back Office) and Summon will be upgraded this year to OAS, but this will not include DV.

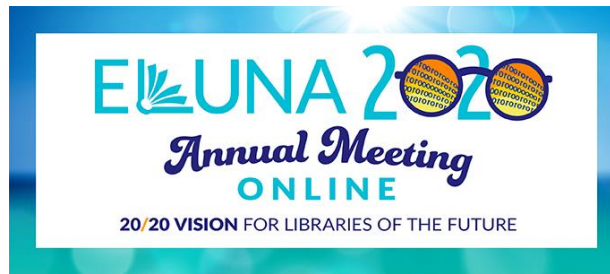**How do you make sure that Primo biased search results against gender and ethnic groups?**

Ex Libris Response: Ex Libris takes a holistic and continuous approach to diversity, equity and inclusion (DEI) matters to ensure we meet the needs of our diverse and worldwide customer community. It's imperative that our organization is committed to DEI through our employment practices, community relations, and services.
One of our top concerns is to ensure that our systems are built for and serve everyone equally. We are cognizant of the fact that unintentional/unconscious bias can be present in search and discovery systems, including ours.
We have processes and technology to prevent, detect, respond, solve, and mitigate any issues that may present themselves around biases of all sorts. Beyond the maintenance and evaluation of our own systems though, it is important to highlight that issues may result from a variety of issues due to the complexity of factors involved such as metadata, content, outdated use of subject headings, local holding of the library, specific setups, ranking options, programming, etc.

Since bias may result from data and technology, individually or the convergence of both, here are several of the system-level approaches we take:
• Test and conduct periodic reviews of our relevance ranking algorithm, search features, and usability
• Collect, evaluate and respond to any reported incidents
• Troubleshoot and consult with libraries regarding their specific library activations, configurations, locally

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indexed data and boosting/deboosting of fields in local catalog records
• Block, suppress, and downboost specific word combinations and associations that may create unintentional bias
• Engage with external consultants focused on algorithms, accessibility, and other diversity, inclusion and equity (DEI) matters
• Implement various types of discovery service feature refinements and enhancements

Of particular note, our most recent consulting engagement is with Dr. Safiya Umoja Noble, an expert in the area of search algorithms and bias. Dr. Noble together with the Ex Libris Discovery team are working together to learn and address issues related to possible existing biases in our systems.

Additional organizational-level DEI measures include:
• Leverage a dedicated group in the company that is solely focused to act against bias in our services and products
• Train our employees around the areas of technology and bias on a recurrent basis

Why are new functionalities not released in Primo and VE more simultaneously?

Ex Libris Response: While we want to sync and to release new functionalities in both, there are and will always be differences due to the release cycles. Primo is released quarterly, while Primo VE is monthly. As a result, we may have cases of enhancements being released at different times.

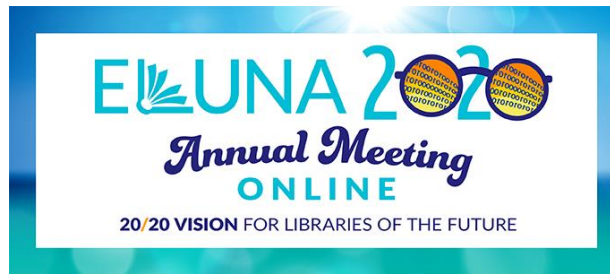**Will the Data visualization be there for Primo as well?**

Ex Libris Response: No response.

Corinna, When will the community know which enhancement "won" this round of enhancements?

Ex Libris Response: The message will be sent to the Primo mailing list soon after the much anticipated IGELU Primo PWG update (Sept 16).

Are there any plans to allow greater flexibility with the NR rules in VE similar to Primo? Example is need to be able to view/edit other portions of the PNX such as links and search.

Ex Libris Response: Primo VE allows to edit OTB display fields and create new fields for display, search and facet. We will be reviewing the need and options for additional functionality to allow editing of OTB search

and facet fields in the future. We are checking each use case to support simple configuration and would be happy to receive any use cases that you can provide.

What is the future of the customization framework? Will there be any migration away from AngularJS 1.7 to a higher version of Angular? What will that mean for customizations?

Ex Libris Response: The AngularJS framework has allowed us to support the customer and community developments on the Primo UI, which we see as a great value. When upgrading we would want to ensure that this capability is maintained and with minimum interruption through the upgrade once we decide to proceed.

We are currently reviewing the options to upgrade and what the impact may be. The upgrade will not be done just for the sake of upgrading without value to the community as the potential impact with no gain may be large.

AngularJS remains active, the announcement means that it will not be further developed and if a security issue shall arise it will be Ex Libris responsibility to mitigate it.

What is the main change between Primo VE and CDI?

Ex Libris Response: Primo VE is another deployment flavour of Primo, tightly integrated with Alma and the Higher-Ed platform. As such, some of the Primo VE main benefits are: a) simple administration - using Alma menus; and b) real time updates and indexing, as changes can be reflected immediately. Additional information is accessible at:
https://knowledge.exlibrisgroup.com/Primo/Product_Documentation/020Primo_VE/004Getting_Started_with_Primo_VE/005Primo_VE_Overview

CDI is the Central Discovery Index, which replaces the Primo Central Index. CDI includes new technology, more data, and allows easy and simple collection activations from 360, Alma and SFX. Additional information about CDI is available at
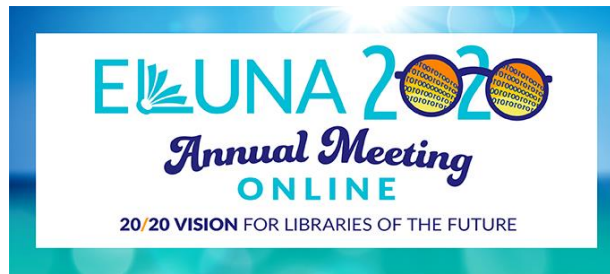https://knowledge.exlibrisgroup.com/Primo/Content_Corner/Central_Discovery_Index/Documentation_and_Training/010CDI_-_The_Central_Discovery_Index/010An_Overview_of_the_Ex_Libris_Central_Discovery_Index_(CDI)

Although we have Alma, we're not ready to go to VE. Can we continue to have separate Primo?

Ex Libris Response: It's your decision whether to move to Primo VE or to continue and use Primo. Customers may continue using Primo and benefit from its active roadmap and development, whether using with Alma, Aleph, Voyager and other ILS's.

The recently launched ""Go VE"" initiative allows customers to move based on their own availability and at the time of their choosing.

Do you have a plan to have ORCID searchable as linked data in Primo VE?

Ex Libris Response: In the future you will be able to add ORCID as part of Linked Data schema.org json-ld format. In order to make this searchable, we require more information. We encourage you to suggest you add it to the Idea Exchange with more details. We would be happy to hear how you think LD based functionality can be implemented to enrich discovery.

If we add ORCIDs in our catalog records.

Ex Libris Response: No response.

How is a complexity point calculated?

Ex Libris Response: This is an effort estimate that takes into account the planning, development, testing, cross-product implications, and actual rollout for all relevant customers and deployments.

Editing norm rules for display in Primo VE is good, but when will be able to edit norm rules for the OTB fields (like subject) for searching and faceting?

Ex Libris Response: Primo VE allows you to edit OTB display fields and create new fields for display, search, and facet. In the future, we will be reviewing the need and options for additional functionality to allow editing of OTB search and facet fields. We are checking each use case to support simple configuration and would be happy to receive any use cases that you can provide.
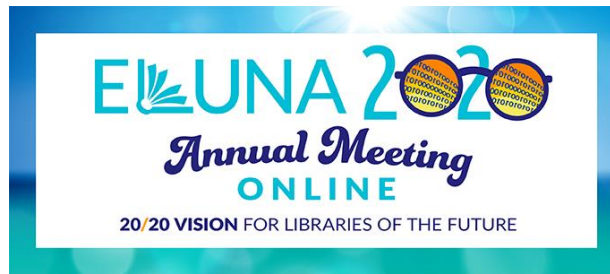
Could we get link to Go VE session?

Ex Libris Response: Here are two suggestion links to introductory Go VE materials:

- Introduction to Go VE video (4 minutes): http://exledu.com/02_Primo/GoVE/GoVE_Web/story_html5.html
- Go VE webinar (September 23): https://youtu.be/i8ySR2V275k

Are pipes allowed in primo VE?

Ex Libris Response: Yes. You can load non-Alma data and non-Alma sources into Primo VE. We encourage you to review the Go VE documentation:

https://knowledge.exlibrisgroup.com/Primo/Product_Documentation/Go_VE/Step_3%3A_Configuration/0 50Go_VE%3A_Replacing_Pipes_in_Primo_with_Import_Profiles_in_Primo_VE

How does one join the MARC advisory group?

Primo WG Response: The MARC Advisory Group is wrapping up its recommendations. To see the draft document please contact the group leader, Amin Hussain at amin.hussain@manchester.ac.uk.

How do people get involved in the primo working group?

Primo WG Response: The Members serve two-year terms and every year some members rotate off. During that process, we send an email to the Primo mailing list asking for new candidates. If more people volunteer than there are open positions, a vote is held, where the contact at each ELUNA institution has one vote.

Is Primo Studio only for Primo Back Office, or also for Primo VE?

Primo WG Response: Primo Studio is available for both Primo VE and the Primo Back Office.

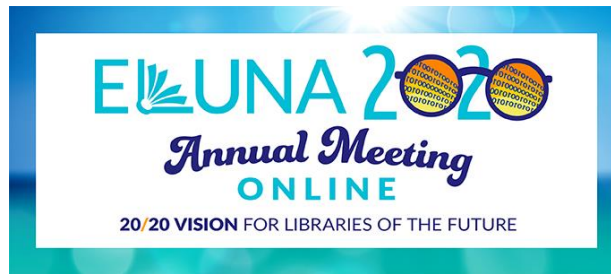**We didn't see the photo of Corinna's dog!**

Primo WG Response: How sweet! See Bertha at https://drive.google.com/file/d/11FVO5wcAuUqcpQvnnZ3Wneo3OG4jXyAS/view?usp=sharing

Where are new additions to Primo Studio announced? The Primo list, or somewhere else?

Ex Libris Response: The contributions to Primo Studio are managed by Primo community. Once a customer or vendor develops and adds an add-on to Primo Studio then representatives from the Primo community will confirm to approve the add-on, then the Primo working group will announce it. When vendors work directly with Primo product and development teams to add an addon, we announce it as part of release highlights.

Do you think that it would be useful to have interaction between the Ideas Exchange and NERS or have a merged Ideas Exchange/NERS system?

ELUNA SC Response: No response.

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If ELUNA 2021 is offered in person, will it also be offered online? I'm an Alma/Primo cataloguer volunteering at a religious institution. Having ELUNA 2020 online has been wonderfully inclusive for people like me with zero budget for travel for conferences/training.

ELUNA SC Response: We have not yet determined how a return to in person conferences will impact online offerings.