

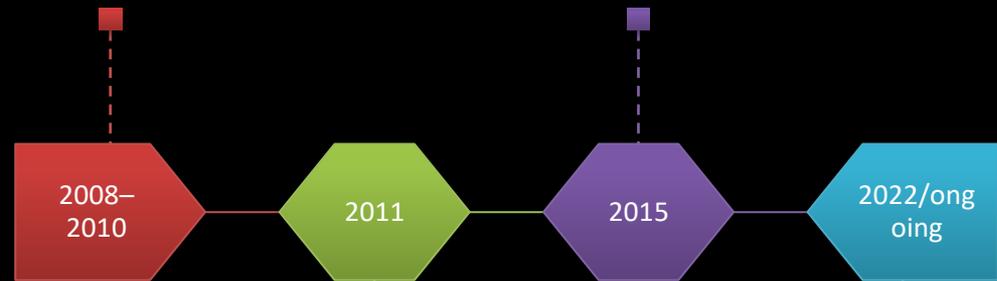
GRIN-Global

Current Status

“Where we are now”

GG Development Timeline

Initial Development
Project
Crop Trust / USDA /
Biodiversity
partnership

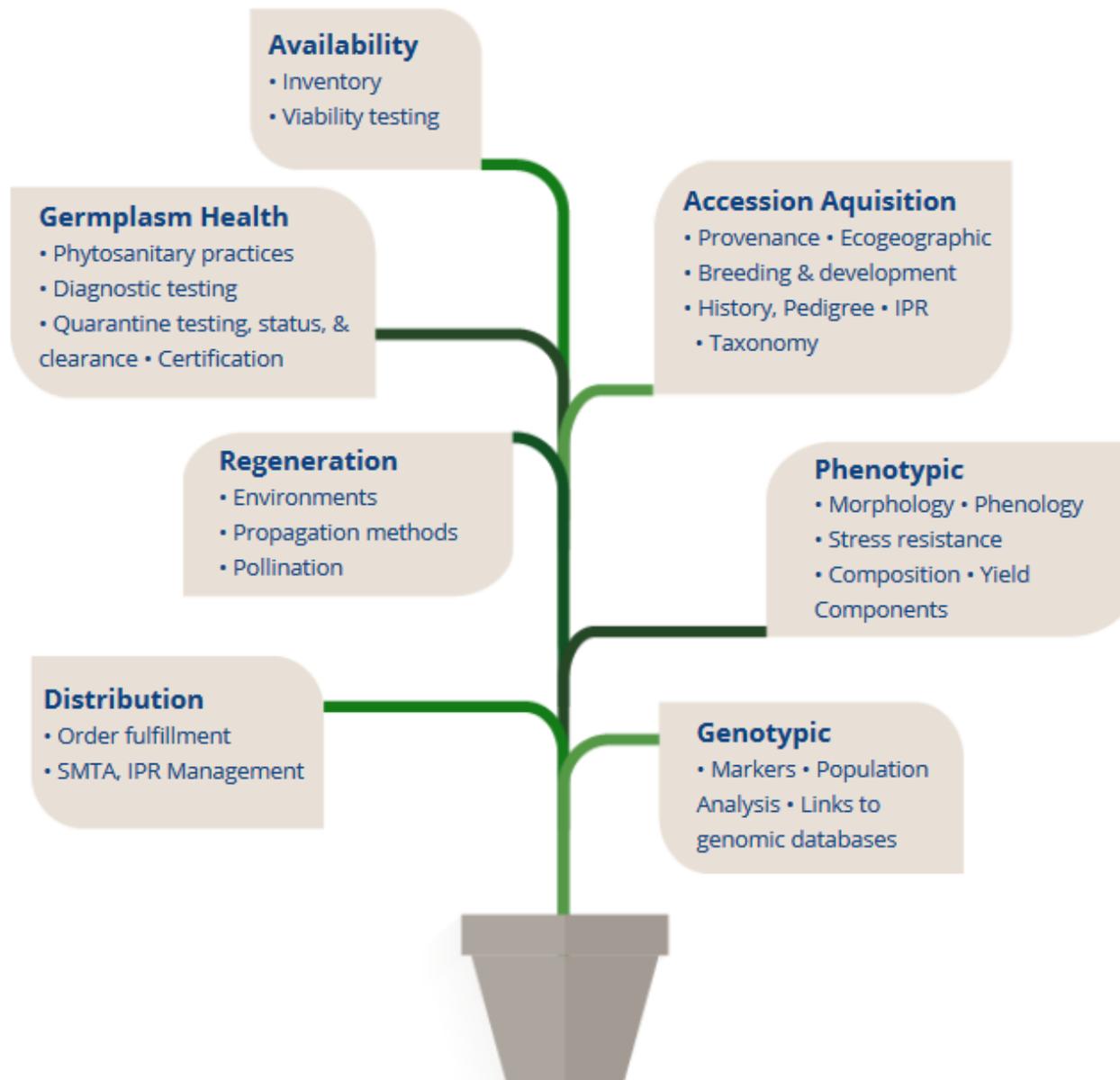


USDA is the 4th
genebank to adopt
GG

Release 1.0.7
available to all
genebanks

USDA... server and CT
updates
approximately
quarterly

What data is stored in GRIN-Global?



GG Project Website

- <https://www.grin-global.org/>
- GG Documentation & announcements

The screenshot displays the GRIN-Global Project website interface. At the top is a green navigation bar with the following menu items: GRIN-Global, About GRIN-Global, GG Sites, Release Notes, Documentation, Training, and Resources. Below the navigation bar is the GRIN-Global logo and the text "The GRIN-Global Project". A search bar with the text "ENHANCED BY Google" is located below the logo. The main content area features a world map with various countries marked by pins. A legend in the bottom right of the map indicates that blue pins represent "Evaluating" projects and green pins represent "Implemented" projects. To the right of the map, there is a "News & Notes" section with the following text: "eMail Support - Note: There are two. USDA - use NPGS GRIN-Global Helpdesk NPGS: GRINglobal.Feedback@usda.gov" and "GRIN-Global International Helpdesk helpdesk@grin-global.org". Below this is a blue heading "September 10, 2022 - New GG Server Release" followed by the GRIN-Global logo and the text "Latest Server Release". At the bottom right, there is a paragraph: "USDA released Server version 2.3.1 on September 10, 2022. Refer to the [Release Notes](#) for details".

International Committee

ZOOM

ZOOM meetings

Open

Open to all

Meet

Meet ~ bi-monthly / quarterly

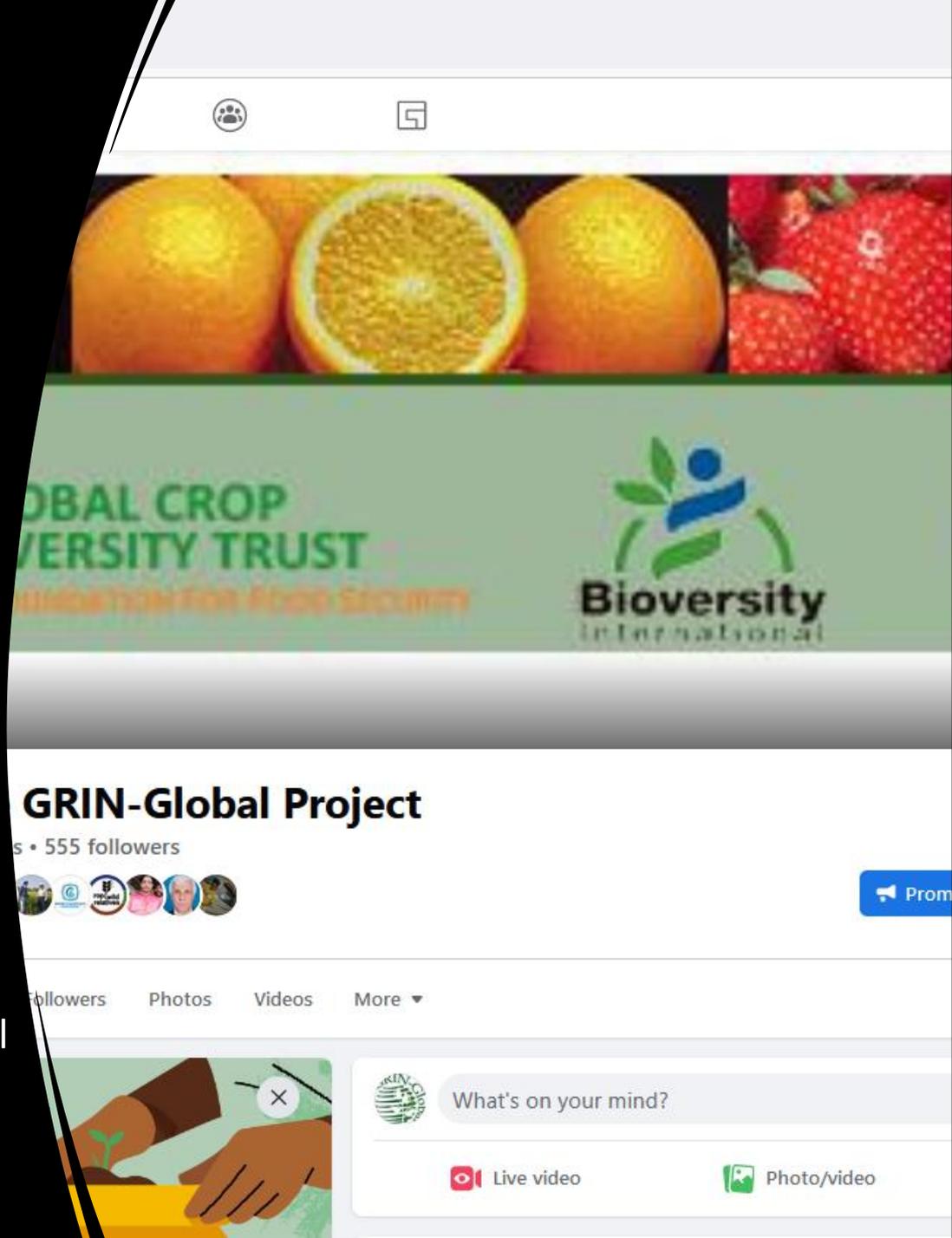
Send

To be included on email announcements:
send an email to marty.reisinger@usda.gov

Frequent Participant Organizations

- Australia Grains Genebank
- Canada
- CGIAR members: CIMMYT, CIP, CIAT...
- Crop Trust
- Nordgen
- Tunisia
- USDA

Facebook Page



<https://www.facebook.com/gringlobal>



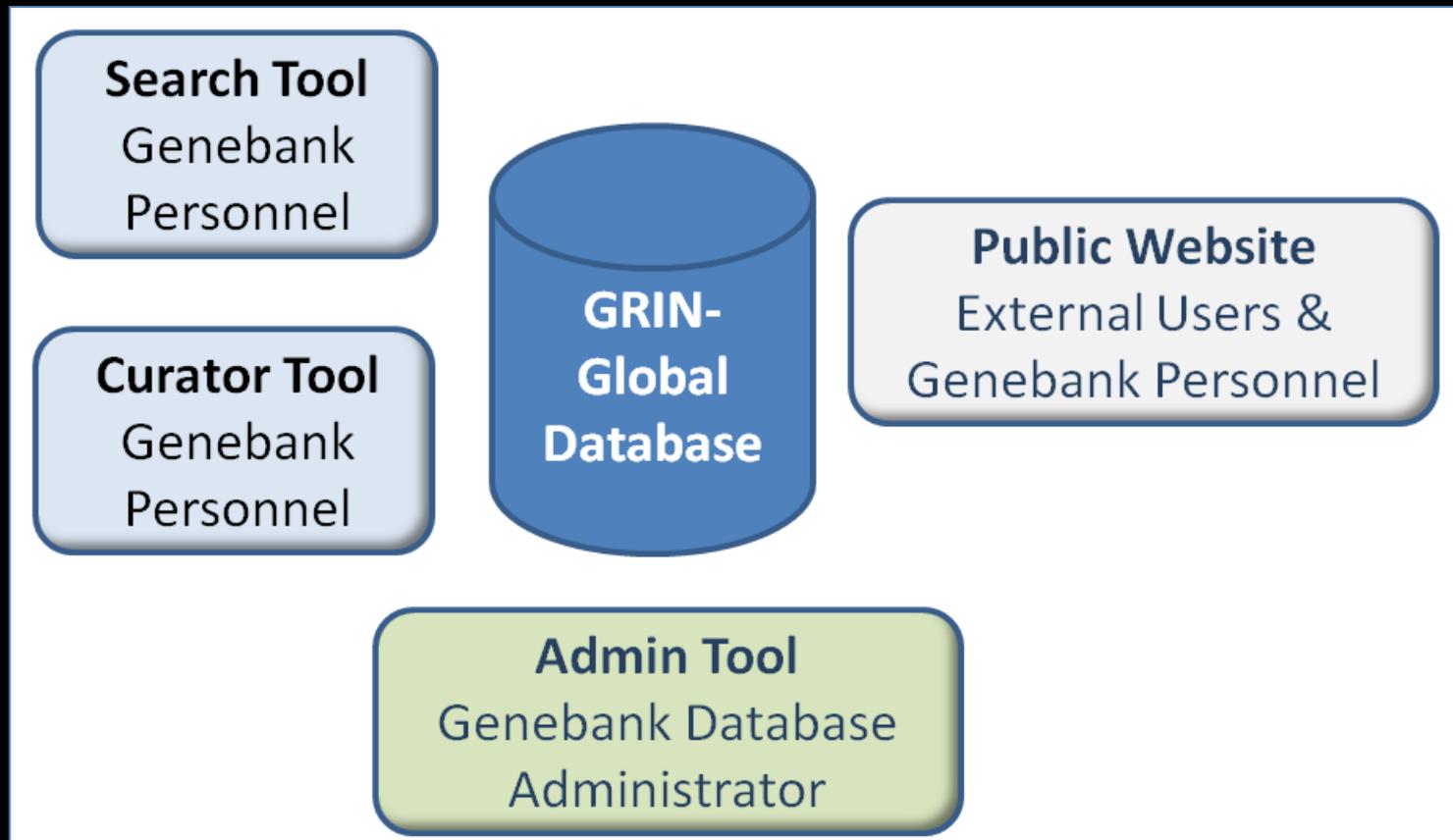
- Development team members
 - Beltsville Maryland (server / Middle Tier, GG Public Website, Search Tool, auxiliary tools)
 - Ames Iowa (Curator Tool, BrAPI)
 - Fort Collins (auxiliary tool: “smile”)

USDA Development Process

- Advisory Committee meets semi-monthly
- Crop Germplasm Committees
- Trac system for recording bugs and enhancements

<https://npgsweb.ars-grin.gov/trac/GG>

GG Components



Recent Changes - Server

- June, 2021 –
germplasm requests can be made by accession or by inventory. (This change was made to accommodate requests for clonal material)
- users can request multiple inventory items and multiple form types

Recent Changes - Server

- November, 2021 – changes relating to improved taxonomy pages on the public website
- ... a browse capability was added to the taxonomy search page to allow searches on family, genus, species and/or common name

Recent Changes - Server

- May, 2022 –

“Seasonal availability ranges implemented” - new inventory_maint_policy_season table implemented to indicate date ranges

Search engine now assigns weights to fields that are more relevant to a search

Recent Changes - Server

- September, 2022 –

Database changes:

- DOI field added to inventory
- 3 fields now in accession: lifecycle, lifehabit, and accession_life_sex data
- production_location added to inventory to track where lot is grown

Recent Changes - CT

May, 2022

- Revised attachment wizard to work with all attachment tables

Autumn 2022 (in test)

- Curator Tool will include a barcode server for generating barcodes on reports

“Utility” Tools

Access Rights
Management

Taxonomy Editor

NRRs (“Non Research
Requests”)
(Order Manager)

Password-Reset Self-
Service

Site Admin Tool



“Utility” Tools

- Not yet available – need to be scanned
- Soon will be available on Gitxxx

Curator Tool Password Reset

GRIN-Global

Password Reset Self-Service

Please enter your GRIN-Global Curator Tool user name.

You will receive an email containing a link that will expire within 24 hours. Follow this link to reset your password.



 Email Me a Password Recovery Link

Cancel

Taxonomy Editor

The screenshot displays the TurboTaxon Taxonomy Editor interface. The top navigation bar is green with the TurboTaxon logo and a hamburger menu icon. The left sidebar is dark grey and contains the user profile 'Haag, Benjamin', a search bar, and a 'MANAGE DATA' section with various data management options. The main content area is titled 'My Folders' and shows a list of folders under 'Data Types (1)' and 'Categories (2)'. The 'Data Types (1)' folder contains 'TAXONOMY_CWR_CROP (3)'. The 'Categories (2)' folder contains 'TEST DATA' and 'TEST DATA 2'. The right panel shows a list of entries under 'My Folders' and 'Shared With Me'. The list has columns for ID, Title, and Type. The entries are:

ID	Title	Type
1073	Benjamin's Test Crop For CWR Folder - All things yam.	taxonomy_cwr_crop
1074	TEST CROP FOR CWR FOLDER -	taxonomy_cwr_crop
1075	TEST CROP FOR CWR FOLDER 2 - TEST DATA	taxonomy_cwr_crop

Below the table, it says 'Showing 1 to 3 of 3 entries'.

OrderManager

The screenshot displays the OrderManager interface for Web Orders. The top navigation bar includes the user name 'Martin A. Reisinger' and a settings icon. The left sidebar contains a search bar for 'Enter WOR ID...', a home icon for 'GGTools NRR Review Tool', and a menu for 'ORDERS' with 'Web Orders' selected. Below the sidebar, there are sections for 'Filter by Status' (NRR FLAG, SUBMITTED, CANCELED, ACCEPTED) and 'Filter by Intended Use' (Home Gardening, Education). The main content area shows a table of orders with columns for ID, Status, Date, Requestor, Organization, and Review Status. The table is filtered for 'The Last 7 Days' and shows 10 entries. A search bar is located above the table.

OrderManager ☰ User Martin A. Reisinger Image Home > Dashboard

Martin A. Reisinger

Enter WOR ID... 🔍

APPLICATIONS

- GGTools NRR Review Tool

ORDERS

- Web Orders

REPORTS

- Web Orders to Orders
- NRR Past Offenders
- NRR Prevention
- Web Order Statistics (2022)

Web Orders 2.0.9

Filter by Status

- NRR FLAG
- SUBMITTED
- CANCELED
- ACCEPTED

Filter by Intended Use

- Home Gardening
- Education

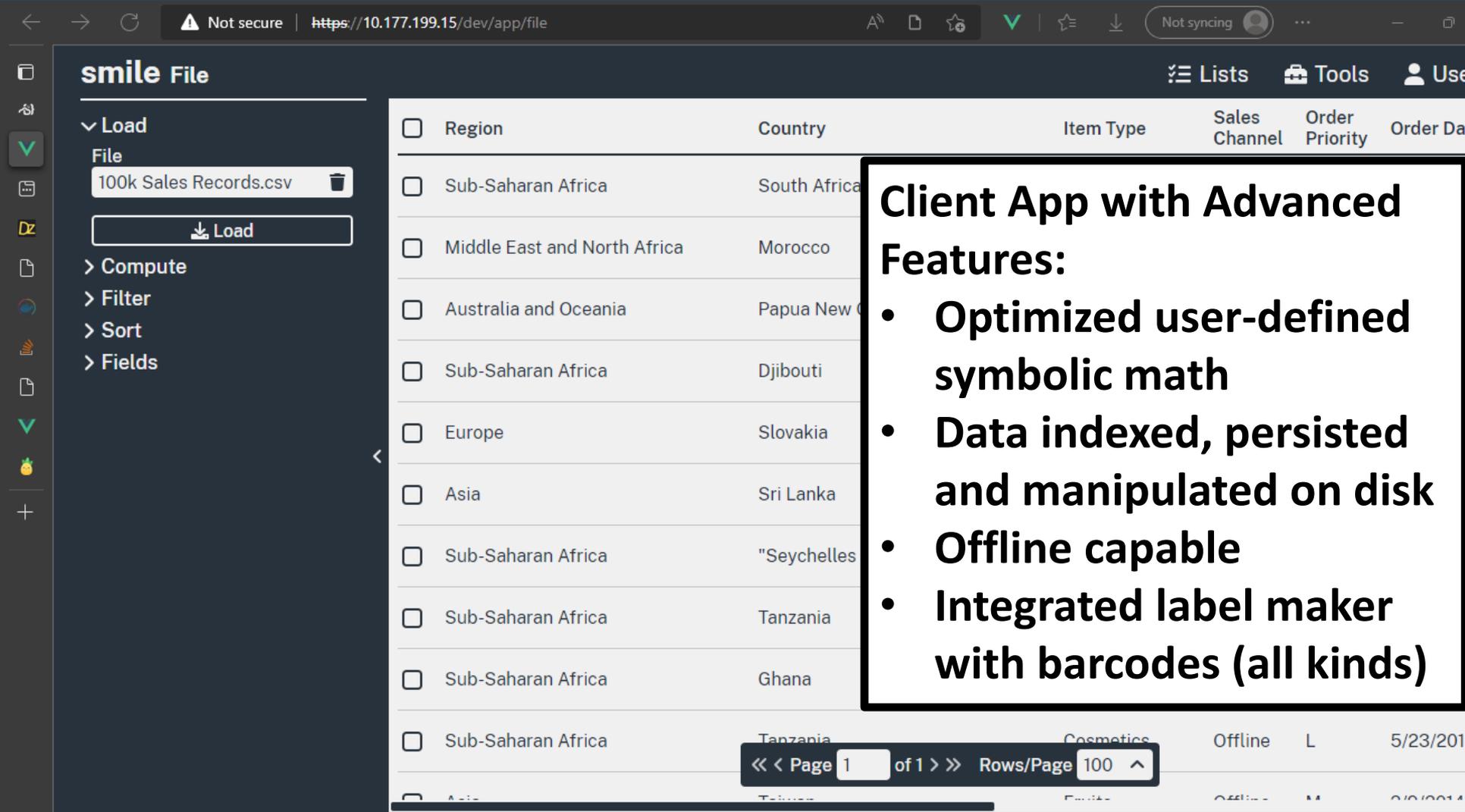
Today The Last 3 Days **The Last 7 Days** The Last 30 Days The Last 60 Days The Last 90 Days

Show 10 entries Search:

ID	Status	Date	Requestor	Organization	Review Status
57816	SUBMITTED	9/27/2022 at 12:59 PM	Ja		View
57817	SUBMITTED	9/27/2022 at 1:35 PM	He		View
57824	SUBMITTED	9/28/2022 at 9:55 AM	Ak		View
57831	SUBMITTED	9/28/2022 at 9:06 PM	Ha		View
57833	SUBMITTED	9/28/2022 at	Lu		View

smile

- smile is...
 - a containerized development environment
 - designed for collaboration – open source
 - a work in progress...
- So far, its just me...
cullen.mcgovern@usda.gov



- Client App with Advanced Features:**
- **Optimized user-defined symbolic math**
 - **Data indexed, persisted and manipulated on disk**
 - **Offline capable**
 - **Integrated label maker with barcodes (all kinds)**

smile Features

- Client app fully configurable
- Built-in JavaScript/HTML label maker
- View state (query, filters, sorting, etc.) stored in url – share a link or bookmark a useful view
- ...
- Data can remain accessible offline
- GraphQL API is extensible

Community Wizards

- <https://gitlab.com/GRIN-Global/Wizards>
- Easy-SMTA
- GG-Genesys
- GLIS-DOI
- Print...

Why GGCE was Initiated

- 2018 – review of technology / platform
- installation issues with GG
- Windows Server requirement (GG)
- easier API access
- support to developers
- web interface for genebank staff users

