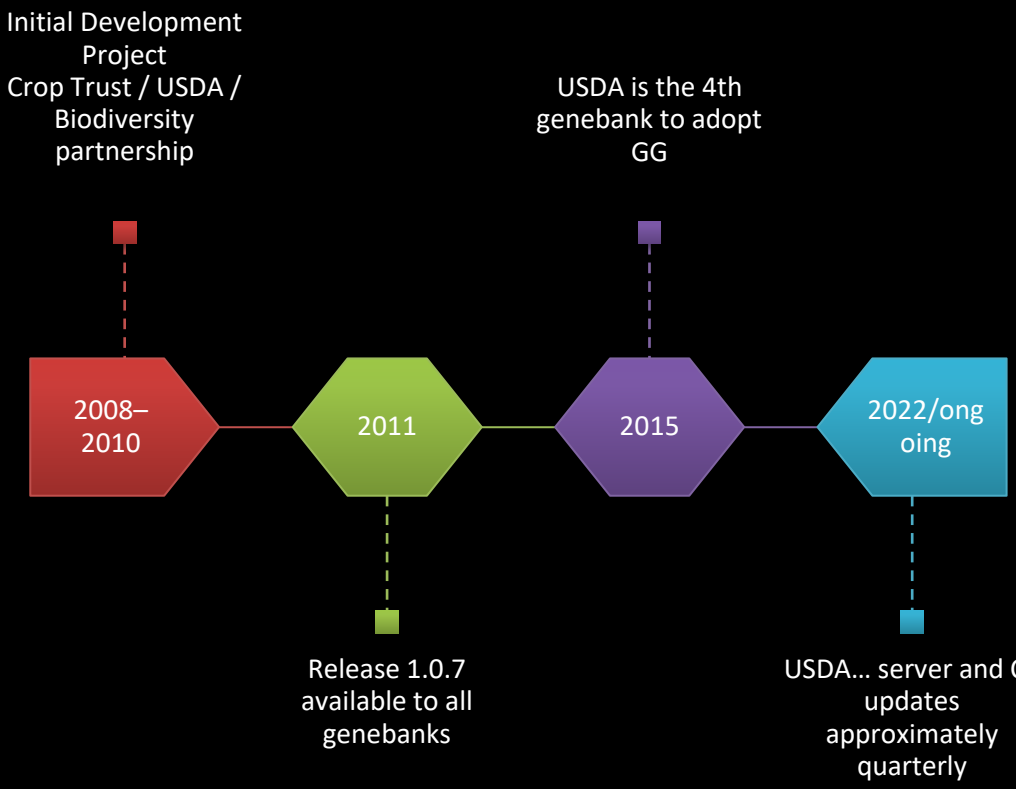
GRIN-Global

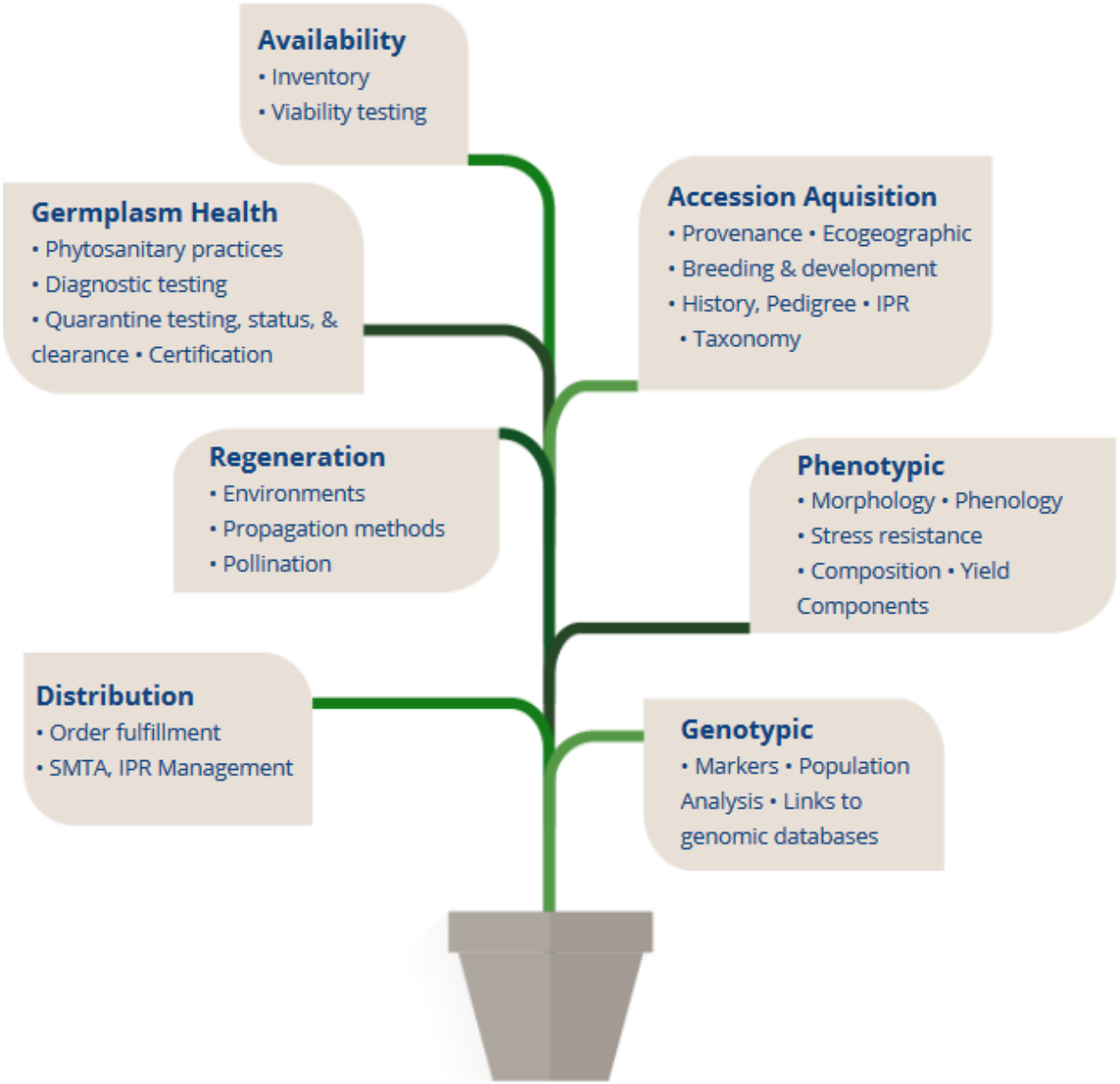
Current Status

“Where we are now”

GG Development Timeline

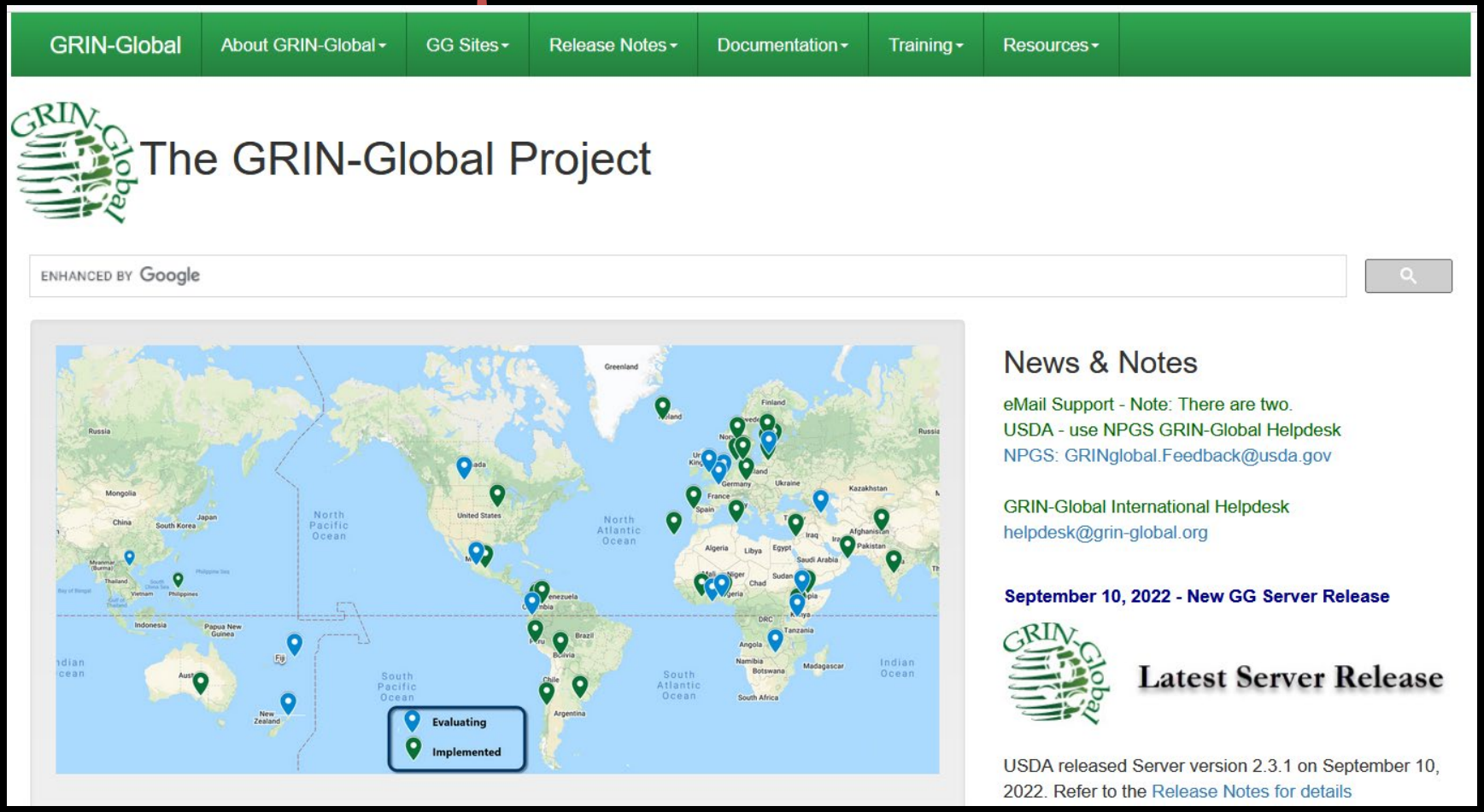


What data is stored in GRIN-Global?



GG Project Website

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



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

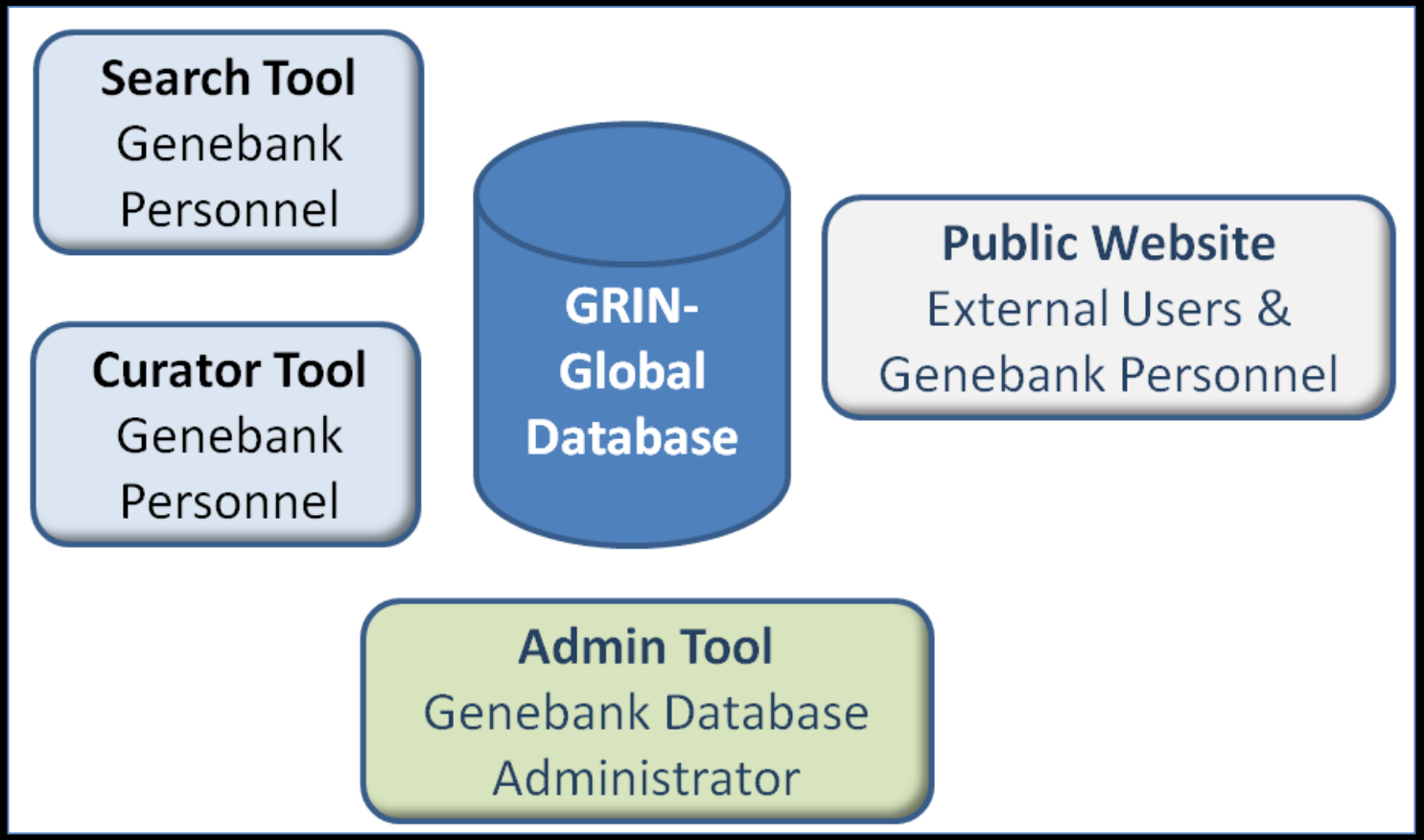
https://www.facebook.com/gringlobal

- 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

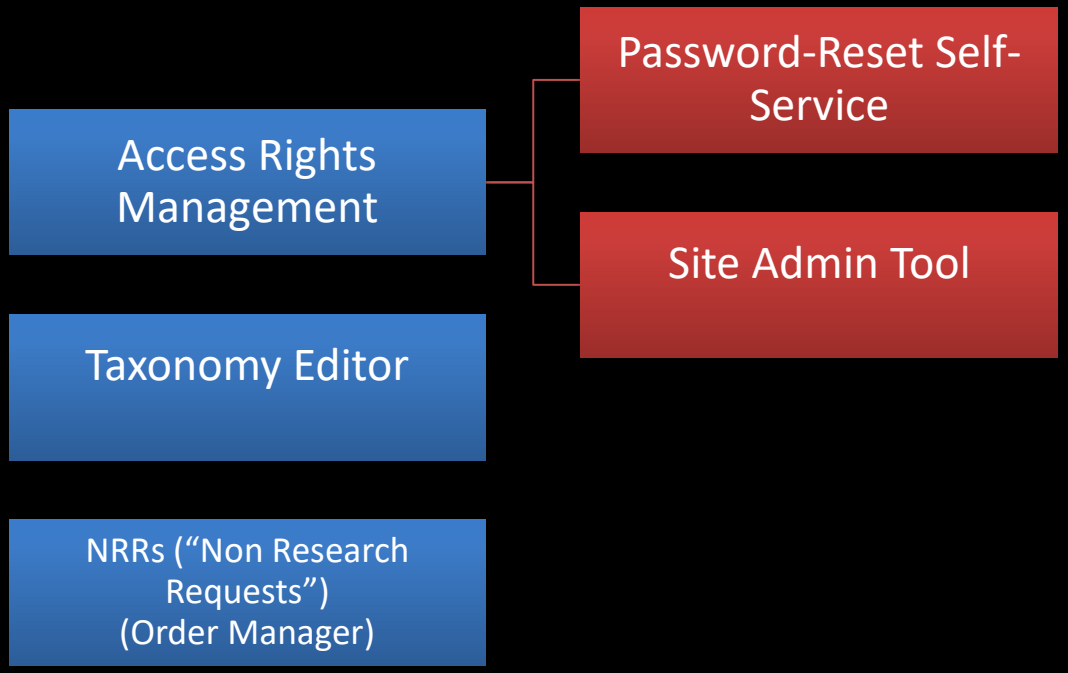
May, 2022

- 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

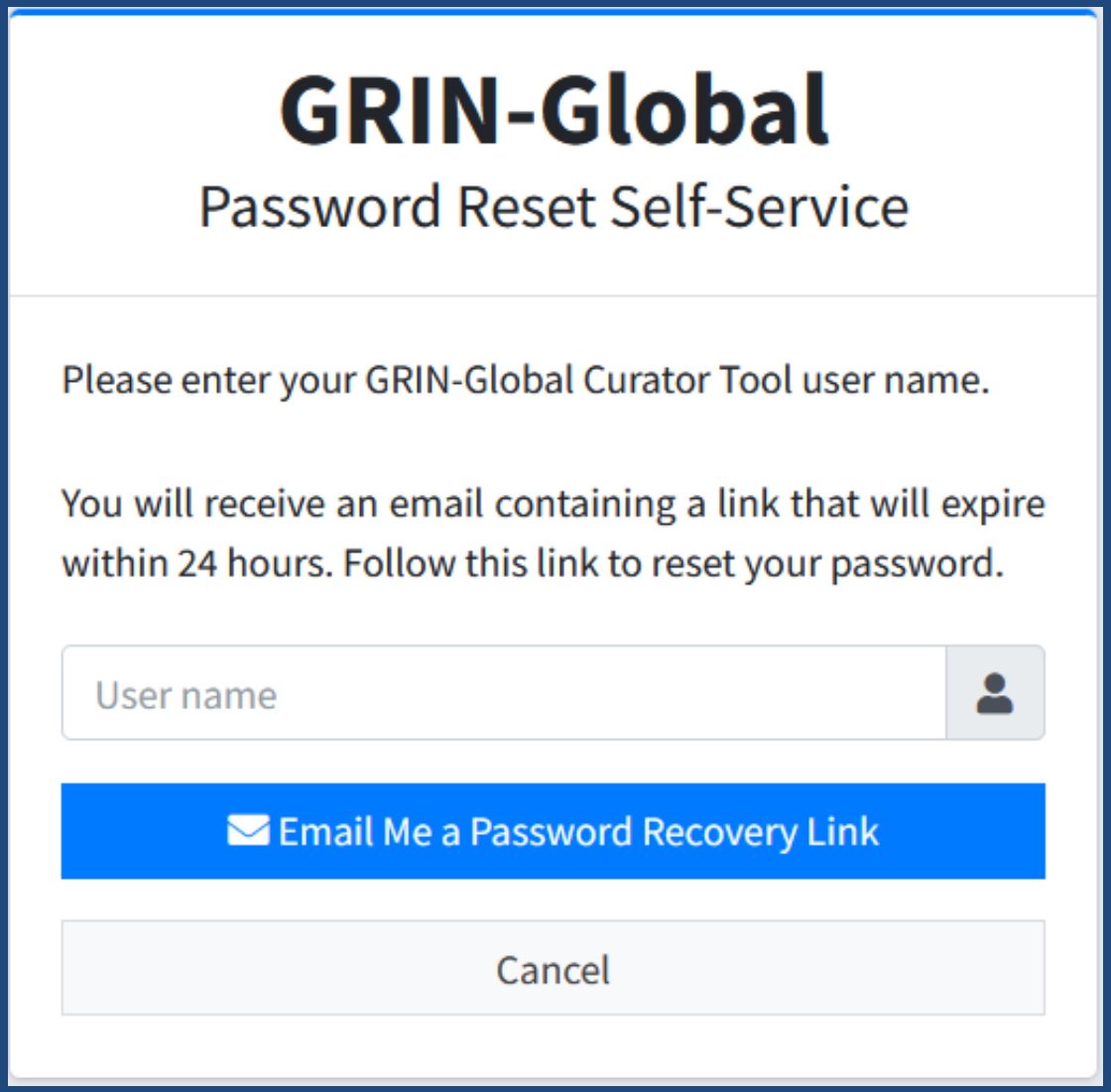
"Utility" Tools



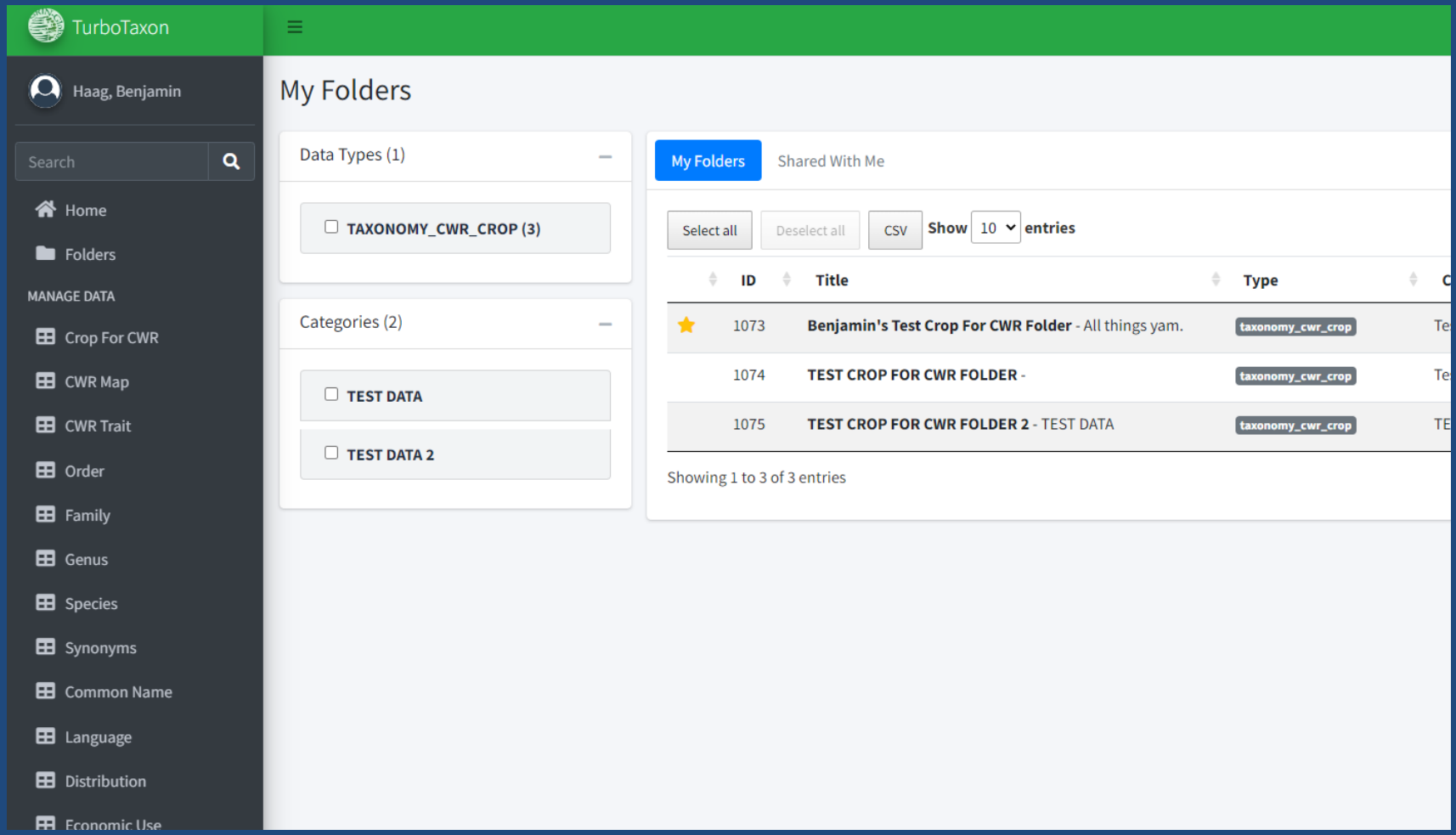
“Utility” Tools

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

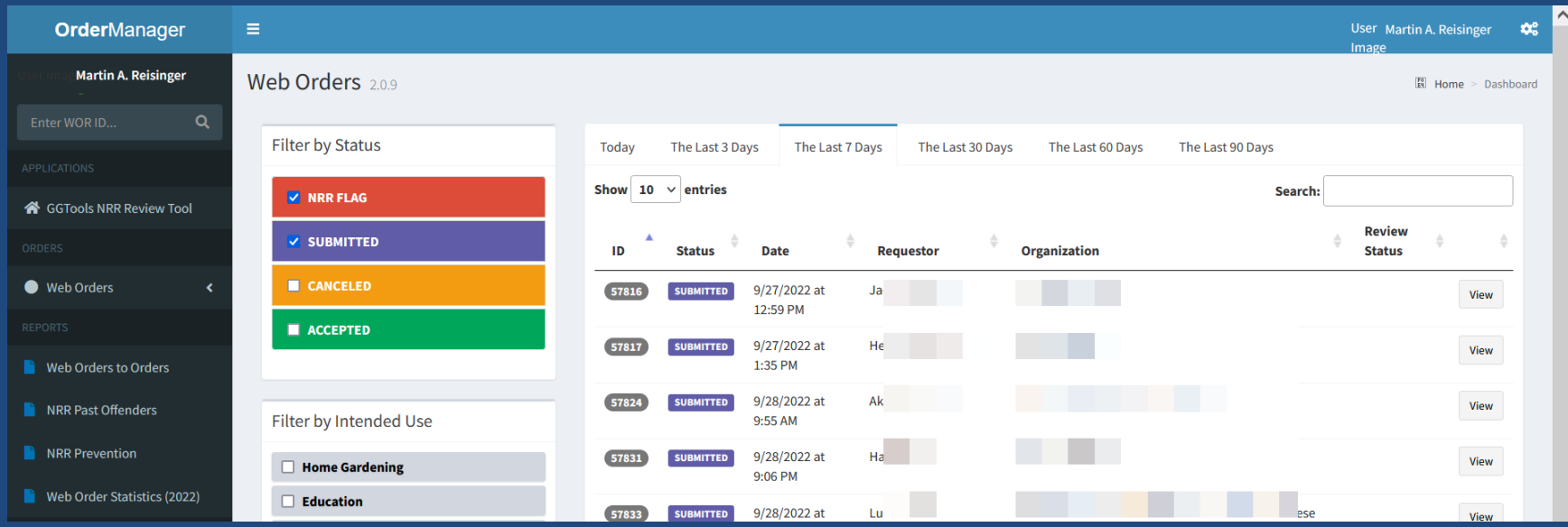
Curator Tool Password Reset



Taxonomy Editor

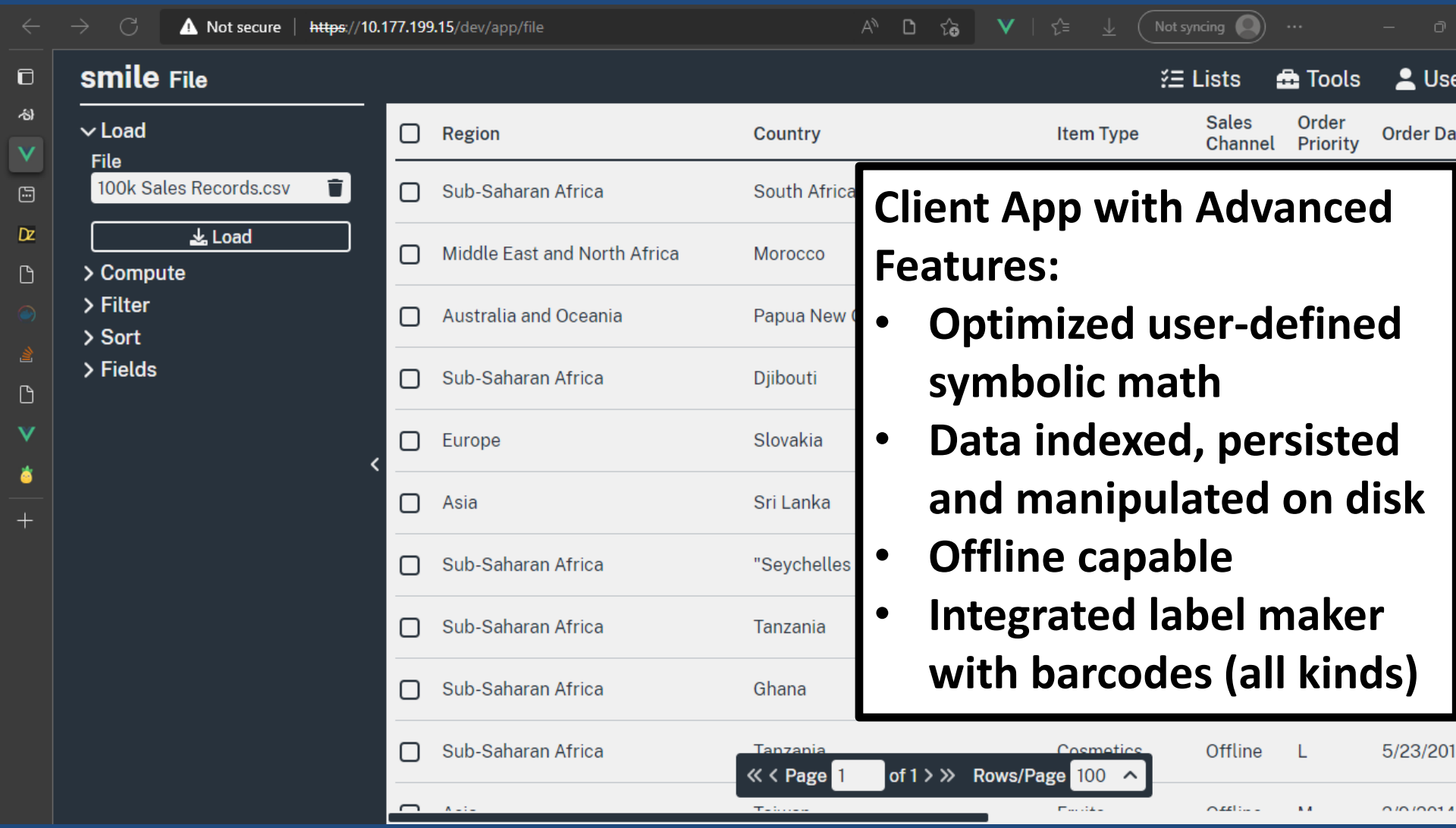


OrderManager



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


Not secure | https://10.177.199.15/dev/app/file
Not syncing
smile File
Lists
Tools
Load
File
100k Sales Records.csv
Load
Compute
Filter
Sort
Fields
Region
Country
Item Type
Sales Channel
Order Priority
Order Da
Sub-Saharan Africa
South Africa
Middle East and North Africa
Morocco
Australia and Oceania
Papua New
Sub-Saharan Africa
Djibouti
Europe
Slovakia
Asia
Sri Lanka
Sub-Saharan Africa
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Sub-Saharan Africa
Tanzania
Sub-Saharan Africa
Ghana
Sub-Saharan Africa
Offline
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5/23/201
Page 1 of 1
Rows/Page 100
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…