

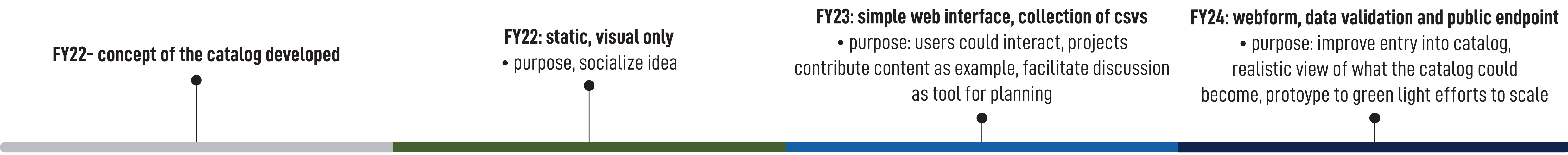
Water Resources Mission Area Integrated Data and Tools Catalog



THE PROBLEM

The WMA does not have an internal or public catalog of datasets, compatible tools, and example use cases to share and discover resources in use or in development by WMA projects . As a result, data management coordination between active projects, and public dissemination of data, tools, and workflow resources is handled through ad-hoc means that requires a large investment of time, includes redundancy and may be challenging to maintained in the long run.

Building just enough to test the need and functionality of the catalog. Usability studies and interviews have informed path forward

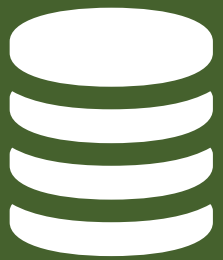


THE APPROACH

WHAT IS THE CATALOG?

The catalog is a place to share and discover the **data and tools** that projects in **WMA** are **developing or using as inputs to their project work**. This information is stored in one cohesive information base that can be **searched and filtered** to serve a variety of **data management and project planning** needs.

The catalog is comprised of three resource types:

**Datasets**
observed and modeled data

**Tools**
software and workflows

**Use Cases**
demonstrations of how to use the datasets and tools in the catalog

WHAT CAN YOU DO WITH THE CATALOG?

The catalog can be used to

Discover new assests to be used for project work

Share new information products

Promote better data management

Increase coordination among WMA projects

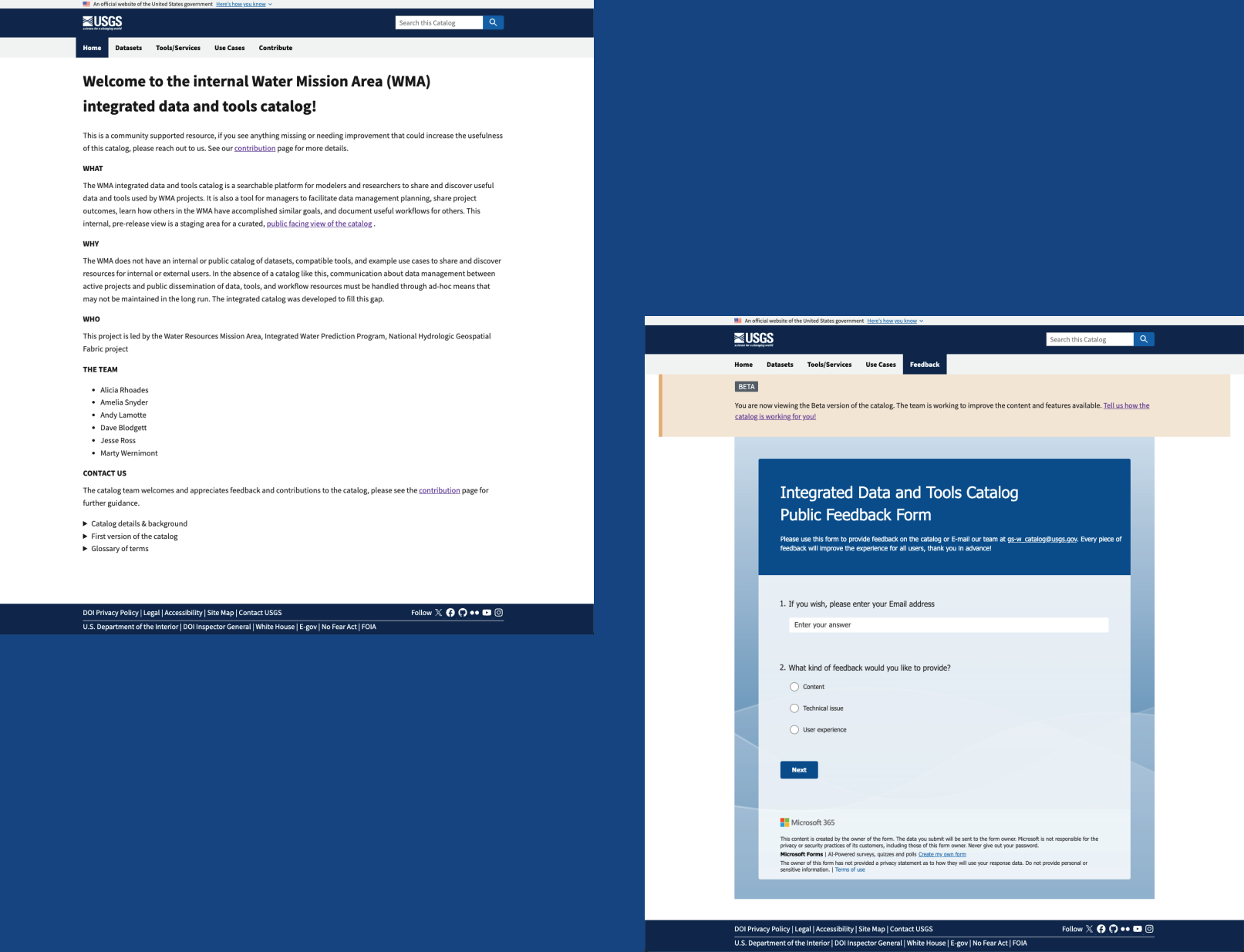
Some examples of the types of questions you could ask of the catalog (once fully operational) include

Which precipitation datasets are available for the years 1950-2000 with a spatial resolution of 4km?

Where can I get access to the gridMET dataset?

Which other projects are already using the same climate forcing dataset that my project is using?

CURRENT STATE



7 Project's Sample Inventory	248 Datasets
35 Tools/Services	39 Use Cases

Internal view: includes project information and in-dev products

Public end point: includes only released science products

No formal process or governance

FUTURE STATE

- Flexible content management system that real time updates and validates as entries into the catalog are made by users
- Just enough features developed to provide the right information to scientists and managers
- A lightweight process for entry and governance
- All project data/tools/etc exist in catalog

We want to hear from the larger community of modelers and managers about what functionality we should prioritize implementing in future versions. We welcome ideas to improve usability and integration of the site and its contents through the feedback