



# GeoData@Mason: Discover and Access to Geospatial Data

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## Introduction

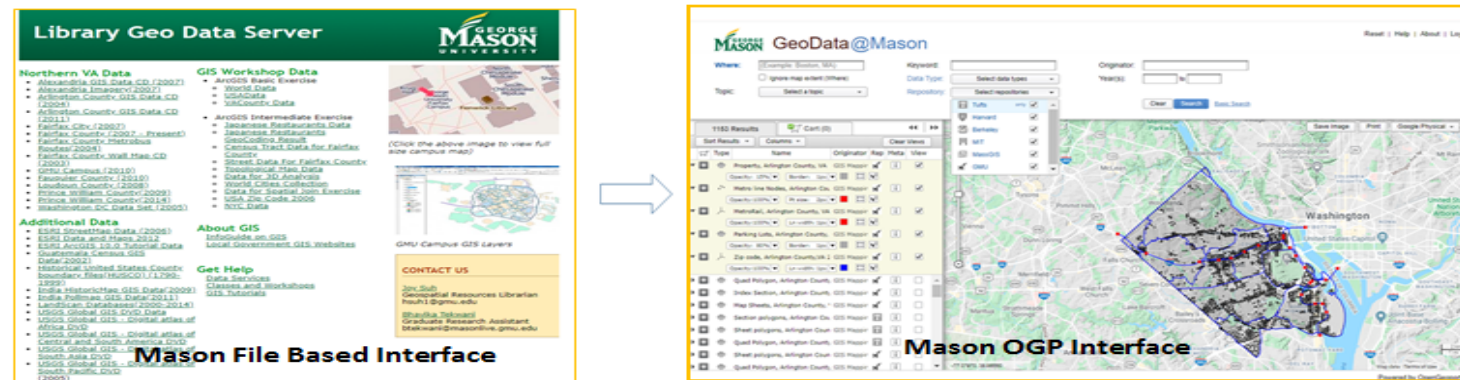
The University Libraries at George Mason has developed an open geoportal, “[GeoData@Mason](#)”, to search, preview and download geospatial data held in the existing library data repository as well as other repositories participating in the [open geoportal \(OGP\) project](#). This is an instance of spatial data catalogs. Currently, more than 400 data layers are loaded there.

## Background of the OGP Project

- Since 2006, Mason Libraries has had a data repository called “Library Geo Data Server” to provide access to the collected geospatial data based on a file based web interface.
- Since 2017, Mason Libraries has engaged in developing an open geoportal to enhance search capabilities and accessibility of geospatial data.
- GeoData@Mason has launched since January 2020 based on an OGP web map interface (See “Migration of Interface”).

URL: [gmutantt.gmu.edu/opengeoportal](http://gmutantt.gmu.edu/opengeoportal)

## Migration of Interface



## Technological Infrastructure

- See “Mason Open Geospatial Framework”
- Mason Open Software Stack:
  - Open Geoportal(2.0)
  - PostgreSQL 11 with PostGIS
  - Geoserver (2.15.3)
  - Python(3.7)
  - Apache Solr (6.6.6)
  - USGS Metadata Wizard (2.0.6)

## Challenges

- Maintain a staffing level with programming skills to keep up with the project.
- Edit all metadata with [the FGDC Metadata scheme](#).
- Train new staff members on the basic knowledge of geospatial data structure.

## Next Steps

- Continue updating metadata and uploading geodata.
- Make restricted datasets accessible using Mason authentication system.
- Outreach and market GeoData@Mason.

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## Mason Open Geoportal Framework

