In Search of GeoBlacklight:

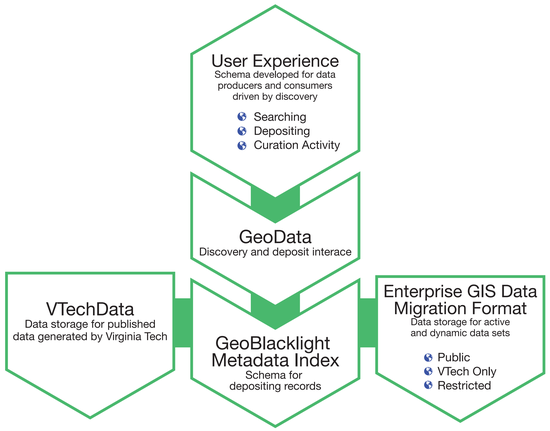
Reporting on a Community-Driven Geospatial Data Portal

geoblacklight 31

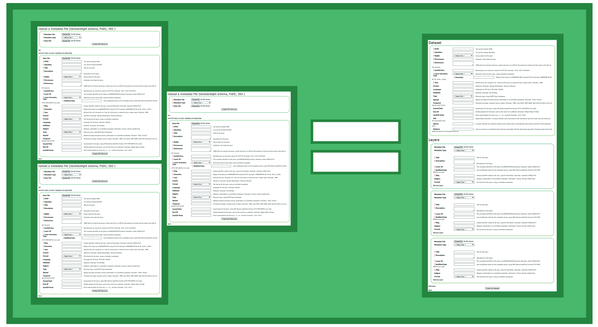
Stakeholders

1. **Library** - Positioned within University to support publishing, curation, and archival needs of Geospatial data.
2. **Enterprise GIS** - Provides server space, access, archival support, and IT support for all geospatial data.
3. **Facilities** - (an extension of Enterprise GIS) Responsible for generating and managing all campus facility related data through the use of Enterprise GIS server space.
4. **College Departments** – Generate geospatial data that needs to be published, shared, and or archived.
5. **Town of Blacksburg** – Data provider
6. **Research Centers** - Data producers and consumers in need of publishing and curation support.

GeoData Workflow



Metadata deposit interface



Before: 3 interfaces with duplicate information

After: 1 interface streamlining data entry process

Initial GeoBlacklight schema is layer-specific with duplicate metadata for multiple layer entries. Revised GeoData schema separates layer and parent record information so that data is not duplicated in index to improve user experience.

UNIVERSITY LIBRARIES

VirginiaTech 1872 *Invent the Future®*

VTGeoData: Virginia Tech's Implementation of GeoBlacklight

GeoData Benefits

- Simplifies geospatial metadata to enhance discovery.
- Simplified metadata provides a larger array of geospatial resources that can be described, thus broadening the amount of data that can be archived.
- IT archival system makes managing dynamic and active data sets possible through more flexible server access.
- A hybrid system allows for researchers to discover geospatial resources as well as publish their own work.

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GitHub

https://github.com/geoblacklight/geoblacklight

GeoBlacklight Homepage

http://geoblacklight.org/