

GeoNode Analysis
Initial Analysis Report
Heuristic Review
April 18, 2016

Draft v3

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Overview

Introduction

This chapter comprises a heuristic analysis, comparison of navigation and content of the current GeoNode demo site and other similar websites. For the GeoNode demo website I analyzed in depth the issues that affect usability. For the other sites I compiled high-level insights, observations, and pitfalls to avoid that can be useful during the redesign of the GeoNode interface.

Methods

A **heuristic analysis** is a method that helps to identify usability problems in user experience design. It examines the interface and judges its compliance with recognized usability principles (the "heuristics"). This analysis focused on ten key heuristics to determine that the content is:

- * Findable,
- * Accessible,
- * Clear,
- * Communicative,
- * Useful,
- * Credible,
- * Controllable,
- * Valuable,
- * Learnable,
- * Delightful.

For each of the sites reviewed I looked at the home page and several representative pages. For San Diego the websites was reviewed and analyzed in depth.

The **comparison of navigation and content** revealed how the navigation and content of the sites relate or differ from each other. It showed how the contents of the sections related as well.

Next steps

Using this information, site analytics and the result of user interviews we will propose an information architecture for the new site that best meets the World Bank's business goals and the needs of geonode users.

Sites Reviewed

Draft

Welcome

GeoNode is an open source platform for sharing geospatial data and maps. If you have any questions about the software or service, join our mailing list. Need help? Getting Started

45 Layers

Click to search for geospatial data published by other users, organizations and public sources. Download data in standard formats.

Add layers >

25 Maps

Data is available for browsing, aggregating and styling to generate maps which can be shared publicly or restricted to specific users only.

Create maps >

3 Users

GeoNode allows registered users to easily upload geospatial data in several formats including shapefile and GeoTIFF.

See users >

Powered by GeoNode version 2.4 | Developers | About

English

GeoNode

Mapping Without Limits

ArcGIS Online is a Complete, Cloud-Based Mapping Platform

Try ArcGIS What is ArcGIS?

Make and share beautiful maps, and do everything in between. It's possible only with ArcGIS Online, a scalable and secure software-as-a-service hosted by Esri.

ArcGIS

A gallery of maps created using CartoDB

MAP GALLERY

RANKINGS AND FINANCE

GOVERNMENT

REAL ESTATE

BI AND ANALYTICS

JOURNALISM AND NEW MEDIA

WEB AND MOBILE DEVELOPMENT

EARTH OBSERVATION AND SPACE

NATURAL RESOURCES

TORQUE MAPS

EDUCATION AND RESEARCH

REPORTS

CASE STUDIES

ALL INDUSTRIES

EDUCATION AND RESEARCH

Connect to a Proposed Power Grid with Torque

CartoDB

Most Popular

Chilean City Building Footprints

Oregon Highway Network 2015

Maryland Water Network

Vanuatu River Network

United States

Kansas

Oklahoma

Missouri

Texas

Colorado

Wyoming

Arizona

New Mexico

Utah

Idaho

Montana

North Dakota

South Dakota

Nebraska

Louisiana

Arkansas

Mississippi

Alabama

Georgia

Florida

Hawaii

Puerto Rico

U.S. Virgin Islands

Guam

Other

Leiaf

United States

Kansas

Oklahoma

Missouri

Texas

Colorado

Wyoming

Arizona

New Mexico

Utah

Idaho

Montana

North Dakota

South Dakota

Nebraska

Louisiana

Arkansas

Mississippi

Alabama

Georgia

Florida

Hawaii

Puerto Rico

U.S. Virgin Islands

Guam

Other

Koordinates

The Humanitarian Data Exchange

WHERE YOUR DATA COMES TO LIFE

FIND DATA

Search Datasets

Choose Location

3,899 DATASETS

244 LOCATIONS

713 SOURCES

HDX, The Humanitarian Exchange

LOS ANGELES

Data Catalog Developer Resources News & Updates My Activity

LA Metro Bus Routes

Los Angeles GeoHub

The GeoHub is the City's new public platform for exploring, visualizing, and downloading location-based Open Data. You can also analyze and combine Open Data layers using maps, as well as develop new web and mobile applications. Let's make our great City even better together!

Los Angeles GeoHub

CONTACT US CODE LAUNCH

OpenGrid

OpenGrid (Chicago)

Welcome to the WFPGeoNode

Our corporate web application for creating and sharing geospatial data and maps designed for non-GIS experts

Get Started

Layers 433 Maps 61 Static Maps 2374 Users 214

Featured Maps

WFPGeoNode | Contacts | Terms of Use | Get Started

English

WFP GeoNode

InnovationLab GeoNode

Open data to further your understanding of disaster risk

Hazard datasets

We maintain a curation of hazard datasets at the global and country level. Tools like ThinkHazard! use these datasets in the backend.

Earthquake 94 datasets

Drought 11 datasets

River Flood 36 datasets

Tsunami 4 datasets

GFDRR Innovation Lab GeoNode

The atlas of change that everyone can edit

Explore Create How To Journal Quick Search

MapStory

Sign up now

Upload StoryLayers Compose MapStory Learn more

All MapStories Crisis Geopolitics Science & Industry Human Settlement Culture & Ideas Nature & Environment Health Biography

MapStory GeoNode

Heuristic Analyses

Insights + Recommendations

RECOMMENDATIONS

GeoNode

Templates. Users need recommended designed templates to ease development of their platforms. Emulate Wordpress and other similar platforms:

- * Provide templates; and
- * Enable user-developed template 'retail' space.
- * Provide alternate catalog and search layouts.

Design. The design and layout is too sparse to support recognition of functions. Add differentiation between functions (filter, search, cart, catalog).

- * Provide tone and contrast within the page elements.
- * Support cognition through larger icons and color indicators.
- * Default to info graphic and visualizations.
- * Cluster similar objects/content types.
- * Make downloading and other functions simple.
- * Limit the use of modals.
- * Eliminate editing tools in general spaces.

GeoNode.org

- * Emphasize Get Started Now and Download
- * Develop an initial step by step guide for getting started.
- * Provide Case Studies or visual links to where the platform is used well.

INSIGHTS

- * Customer installations of GeoNode use their home pages as front doors to their data.
- * GeoNode has taken a simple format for its design and functionality.

* GeoNode is straight forward, using basic information architecture and language to drive use.

* GeoNode is analogous to Wordpress: its main purpose is to be a backbone of displaying user's content; and it has diverse user population that range from novice to experienced coders.

* Sign up/purchase
* Signin to secure portal

NEEDS

- * Create design definition and separation between information types and content types.
- * Move items out of modals. This isn't the best format for the content.
- * Templates, widgets and molecules that support disparate needs and abilities.
- * Designed for the default user.
- * Provide tools for platform content status.
- * Secure entry portal

USER + PRODUCT INTENT

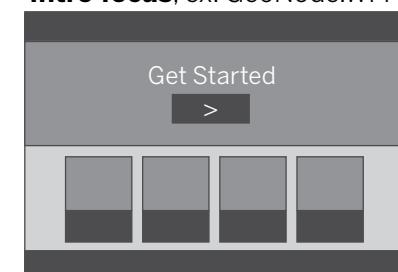
The sales pitch answers the user's need for information. CartoDB and ArcGIS use their home page to answer any and all user questions. The home page justifies the purchase.

The home page is the tool. GeoNode.org and Koordinates provide immediate access to the tools and products that users come to access.

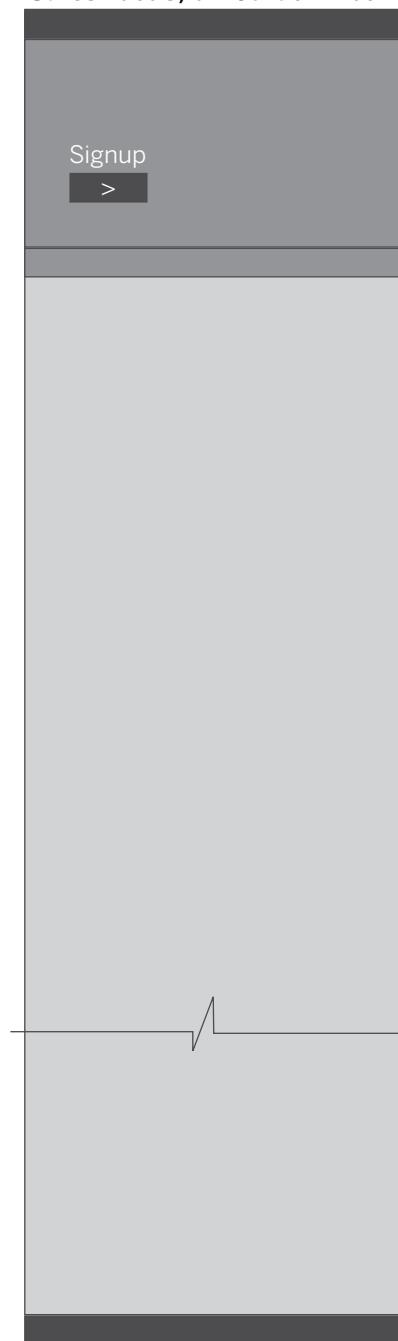
The home page as front door. GeoNode.WFP.org uses the home page as a front door to their data. It explains the types of information available and its purpose. Users need validation that they have reached the correct site, that they'll be able to accomplish their tasks.

- * User Intent:
- * Get information on the product

Intro focus, ex. GeoNode.WFP.org



Sales focus, ex. CardoDB.com





Demo home page

Getting Started page / Onboarding

GeoNode

ANALYSIS

- 1 The home page utilizes a mobile first approach based on blog-style websites. All content is grouped in horizontal segments but does not use a vertical grid.
- 2 Platform status icons provide immediate details about the volume of data and individuals on the platform. This provides user enticement. These icons do not show you the quality or value in that content, just the quantity and volume.
- 3 Get Started Now and GeoNode version download immediately puts users in control of their use of the GeoNode. It eliminates barriers to getting started.

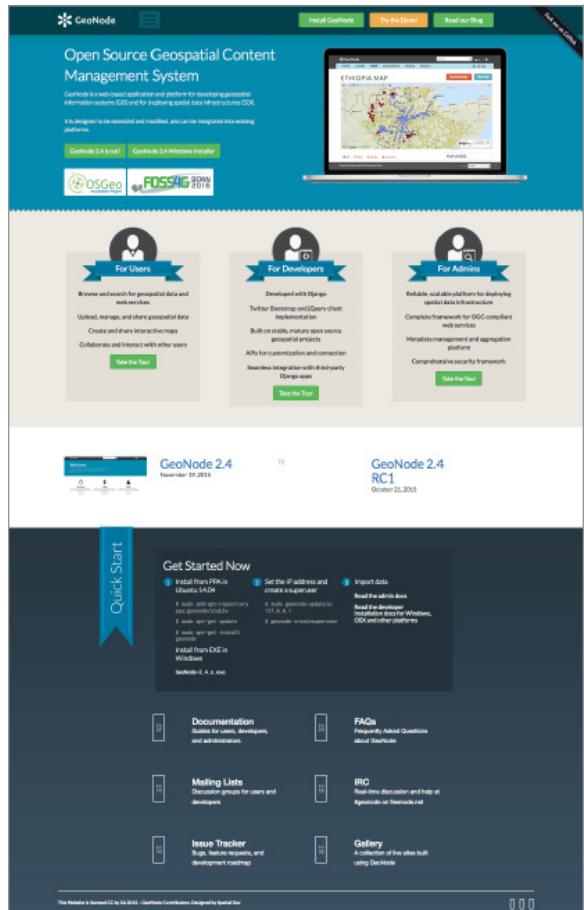
RECOMMENDATIONS

- A. Provide templates, additional interactive molecules and examples of their use for the home page. Have templates available for users to choose from when developing their own home page.
 - * Ex. Showcase new maps or documents uploaded to the system.
 - * Ex. Provide user stories.
 - * Ex. Provide a home page for departments or agencies that support it.
- B. Emphasize the main call to action: Get Started Now. Provide multiple ways into downloading the most recent version of GeoNode.
- C. Develop an initial step by step guide for getting started to start supporting user need and eliminating the 404 page.

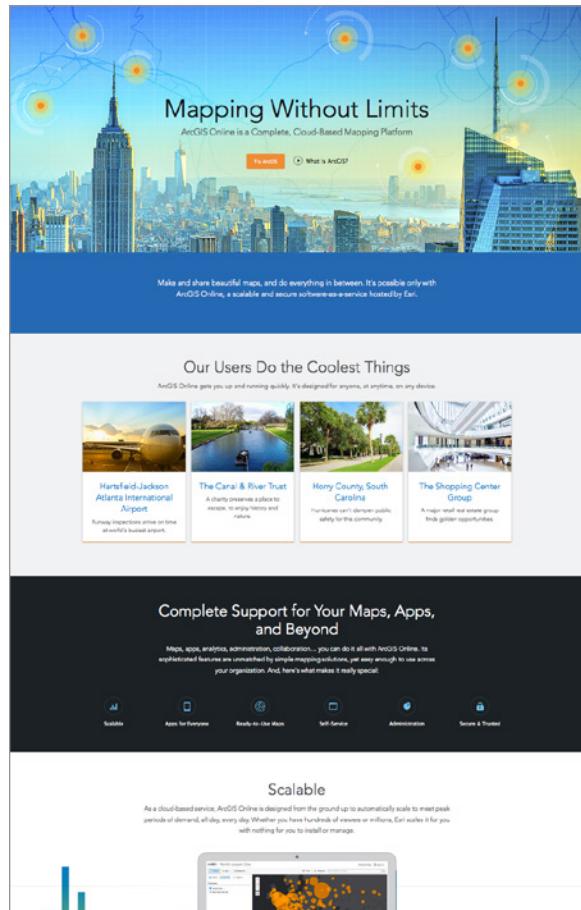
Home Page Analysis

Draft

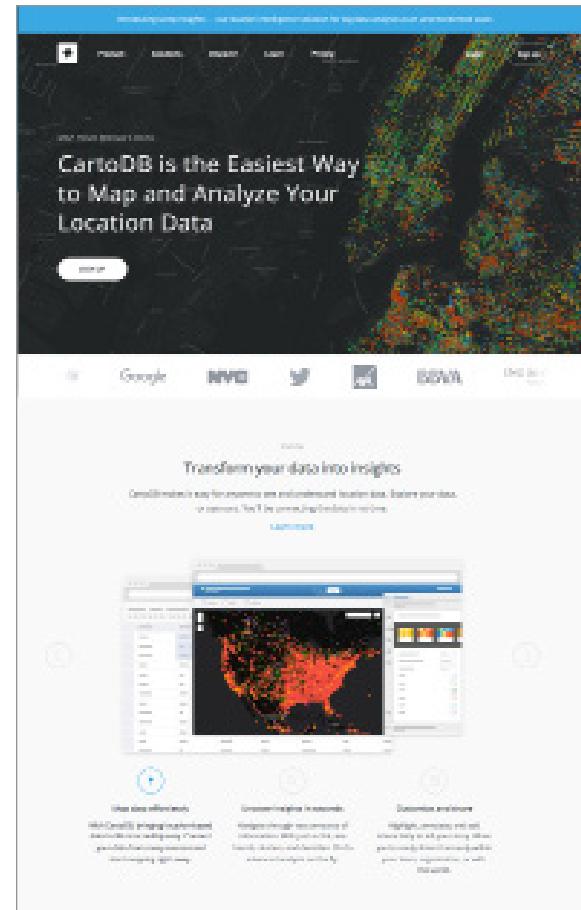
GEONODE.ORG



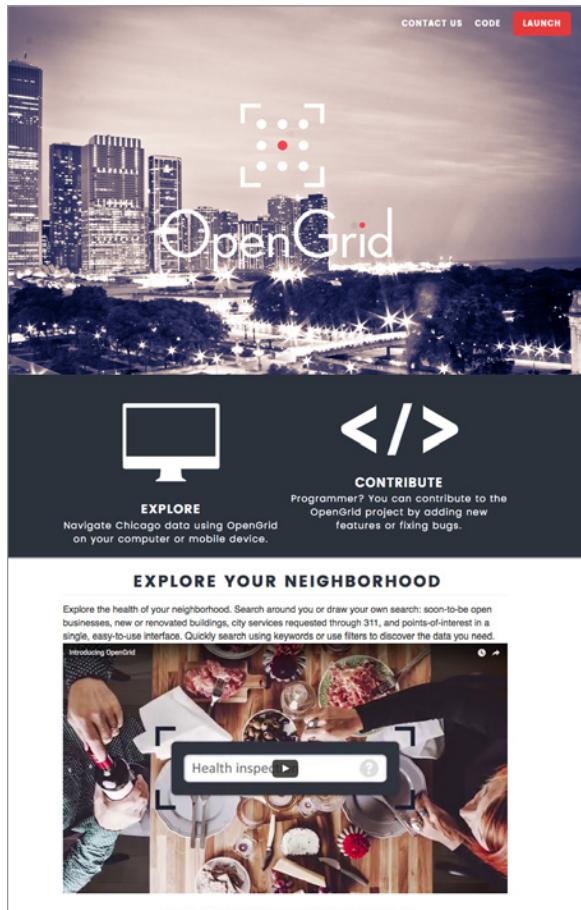
ARCGIS.COM



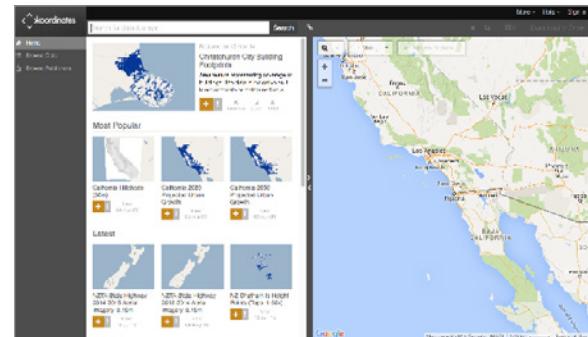
CARTODB.COM



OPENGRID.COM



KOORDINATES.COM



GeoNode is a peer produced open data platform.
This home page reflects its goal to increase use of the platform. It provides easy access to download the product, trust in the product through clear segment definitions, and a 'how to' on the front page.

Goal: Increase use of product through speeding download and trial of product. It does this by:

- * Prominent placement of download
- * How to instructions on main page
- * Prominent placement of demo/trial option

Customer: GIS developer and programmers

ArcGIS provides a suite of products. The home page reflects its goal to up-sell the buyer. It uses marketing messages and user visual stories to drive interest in their products.

Goal: Increase purchase size.

- * Proof in product performance, and customer stories
- * Prominent placement of feature use cases

Customer: GIS staff, and non-GIS buyer

CartoDB provides users a visualization tool. The home page focuses on the single sales pitch. It uses client logos as proof of value, and provides product use cases for reference.

Goal: Make a sale.

- * Proof in product performance through customer logos
- * Product feature use cases
- * Strong visuals

Customer: GIS strategist, and non-GIS buyer

Open Grid provides city residents a way to explore open data with maps. The home page uses bold images to inspire engagement.

Goal: Inspire use and engagement with the data.

- * Marketing call to actions
- * Video story telling
- * Strong visuals

Customer: City residents and GIS programmers

Koordinates provides users immediate access to map documents and visualizations to support exploration. The home page gets users right into the data with no explanation.

Goal: Get users mapping.

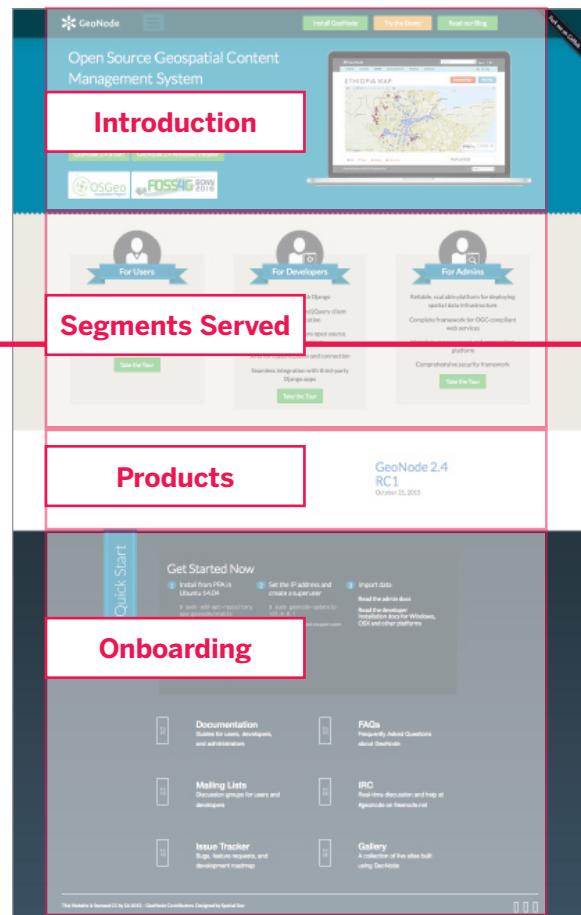
- * Simple interface that puts data files on equal footing with map visualization.
- * Is primarily a tool.

Customer: GIS mappers

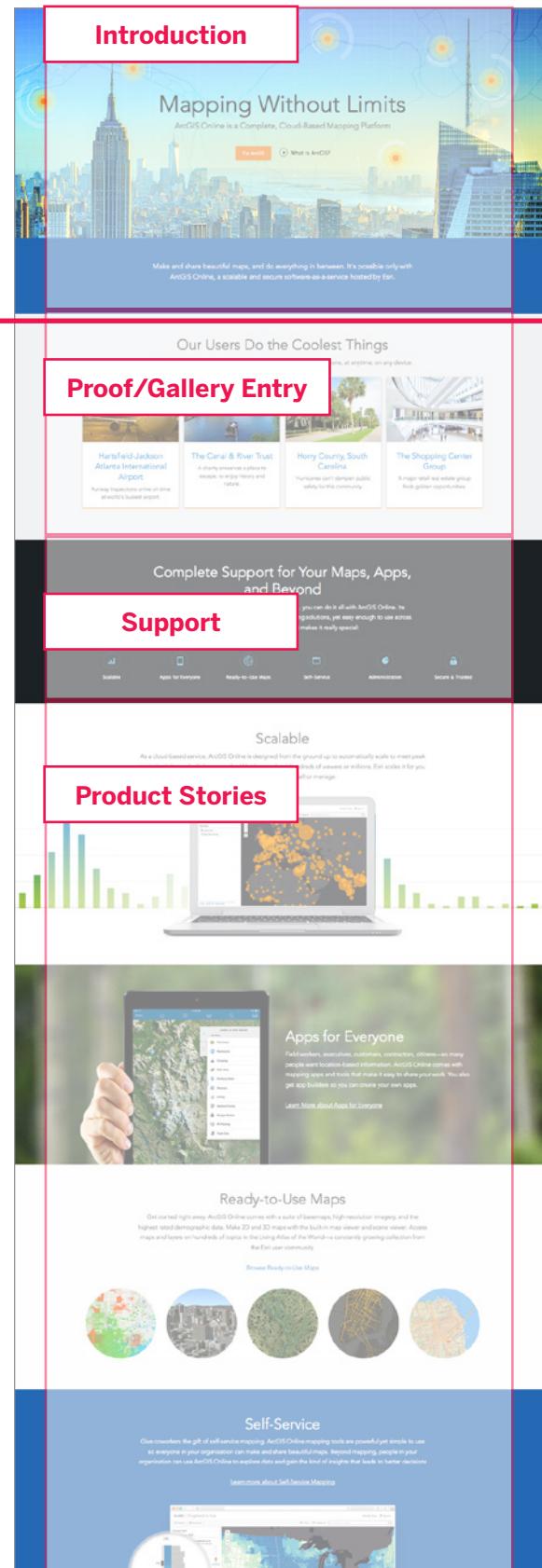
Home Page Analysis

Draft

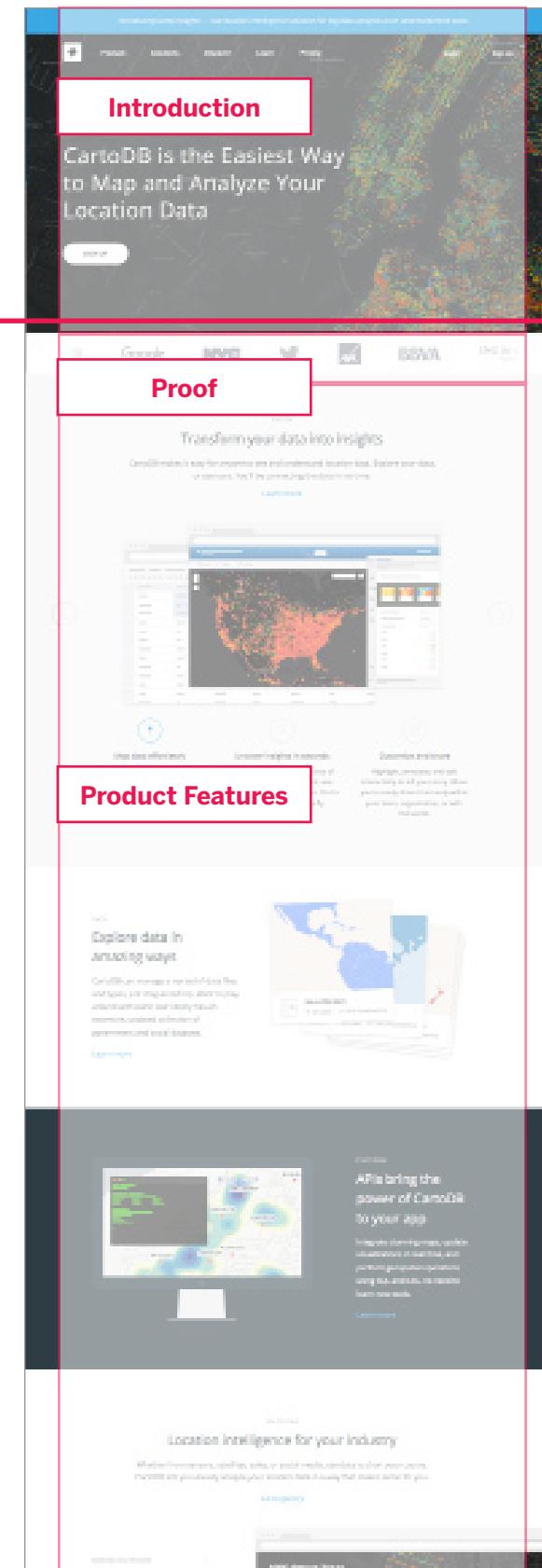
GEONODE.ORG



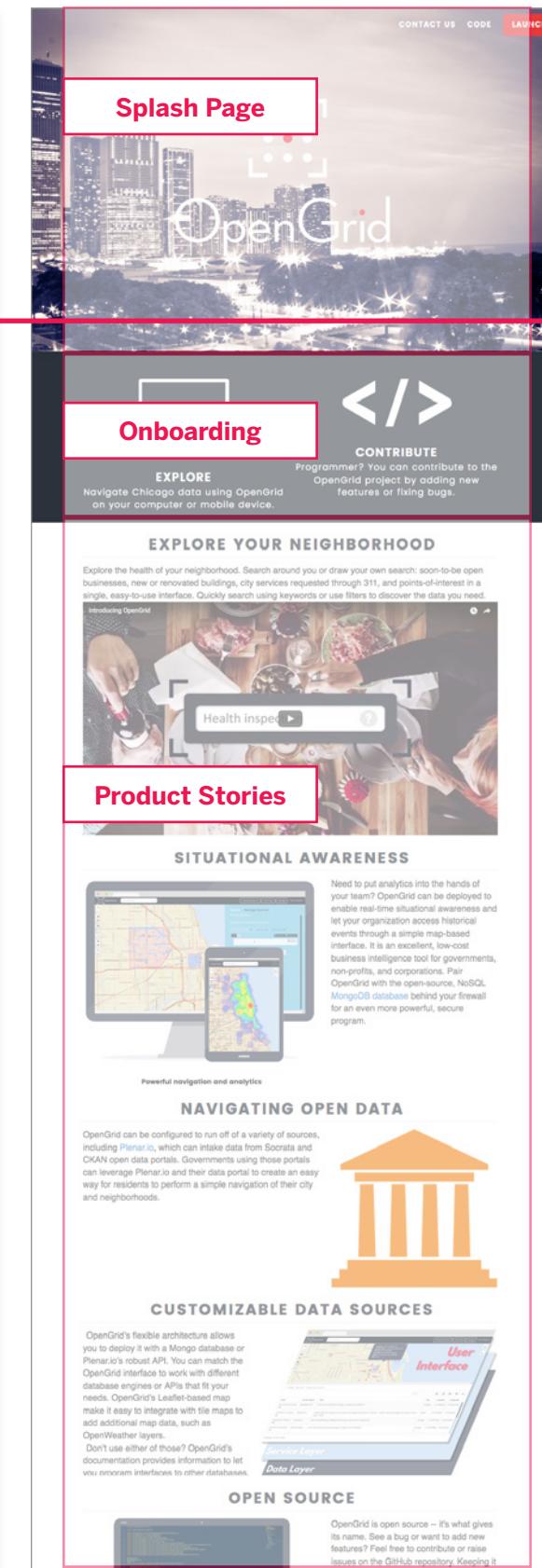
ARCGIS.COM



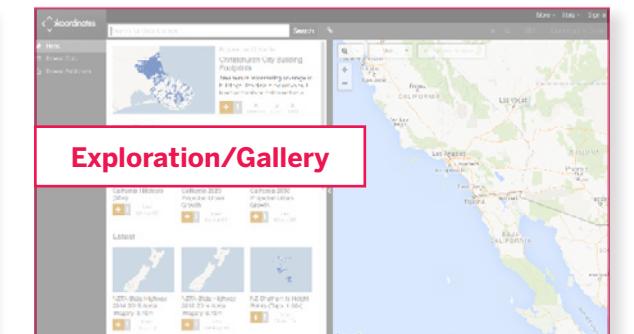
CARTODB.COM



OPENGRID.COM



KOORDINATES.COM



Items “Above the Fold”, visible without having to scroll.

Home Page

ANALYSIS

- ① Paid/Subscription service products put the pitch up front, and support it immediately with proof of usefulness (client testimonials), following it up with product stories and features. Their home pages are designed to support and trigger the buying experience.
- ② GeoNode uses ribbon design and icons of people to indicate proof, but are in effect describing user segmentations.
- ③ GeoNode, OpenGrid and Koordinates are all open platforms. Koordinates and GeoNode are the only platforms that allow immediate action from the home page: exploring maps (Koordinates); and downloading the software (GeoNode).

RECOMMENDATIONS

- A. Include Case Studies (similar to ArcGIS) to confirm decision and support user need.
- B. Move pitch and activation button to the main story.

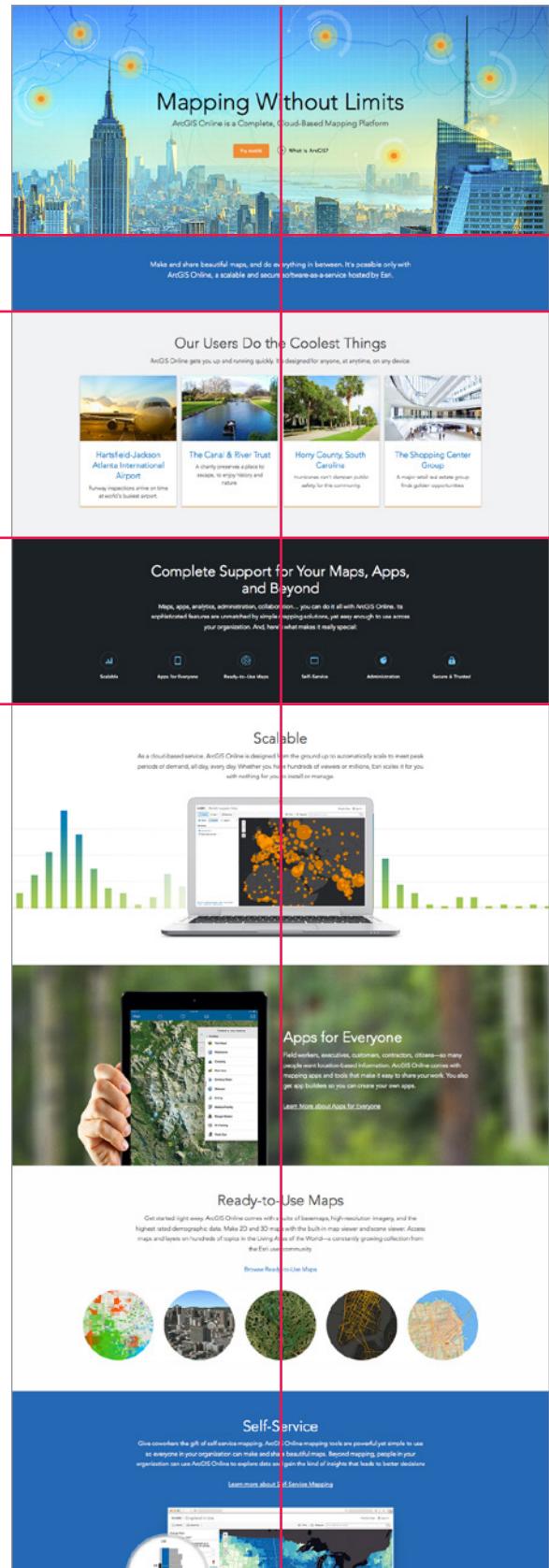
Home Page Grid Analysis

Draft

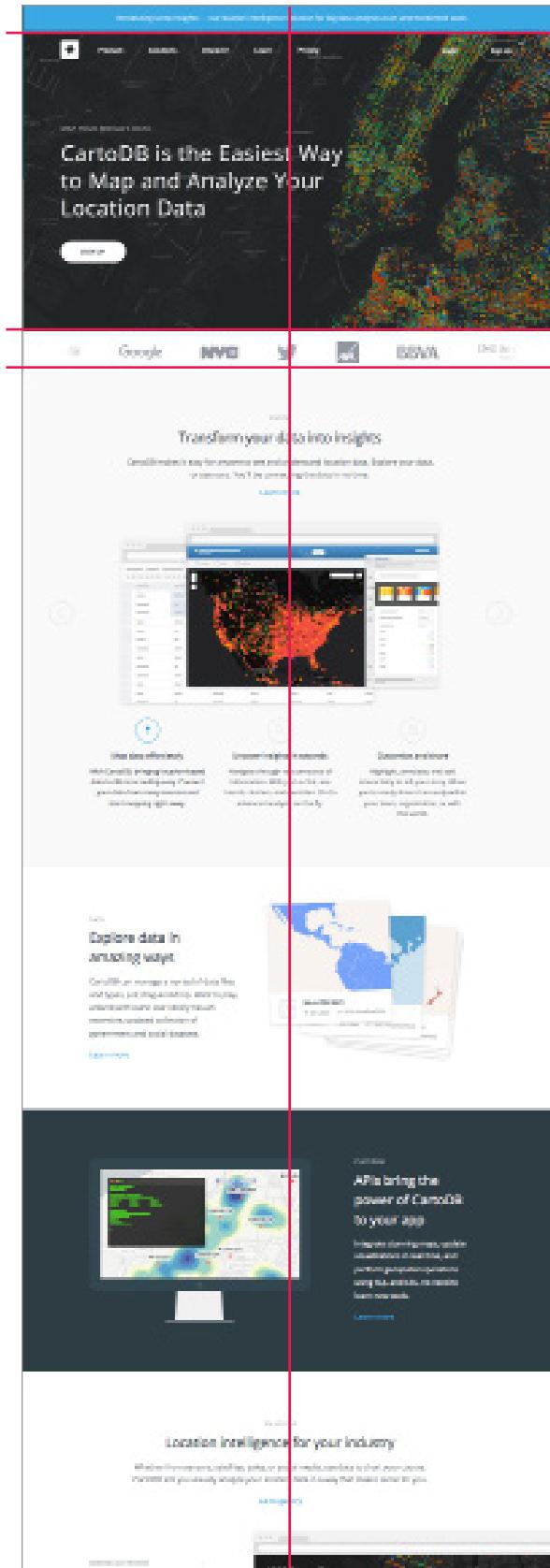
GEONODE.ORG



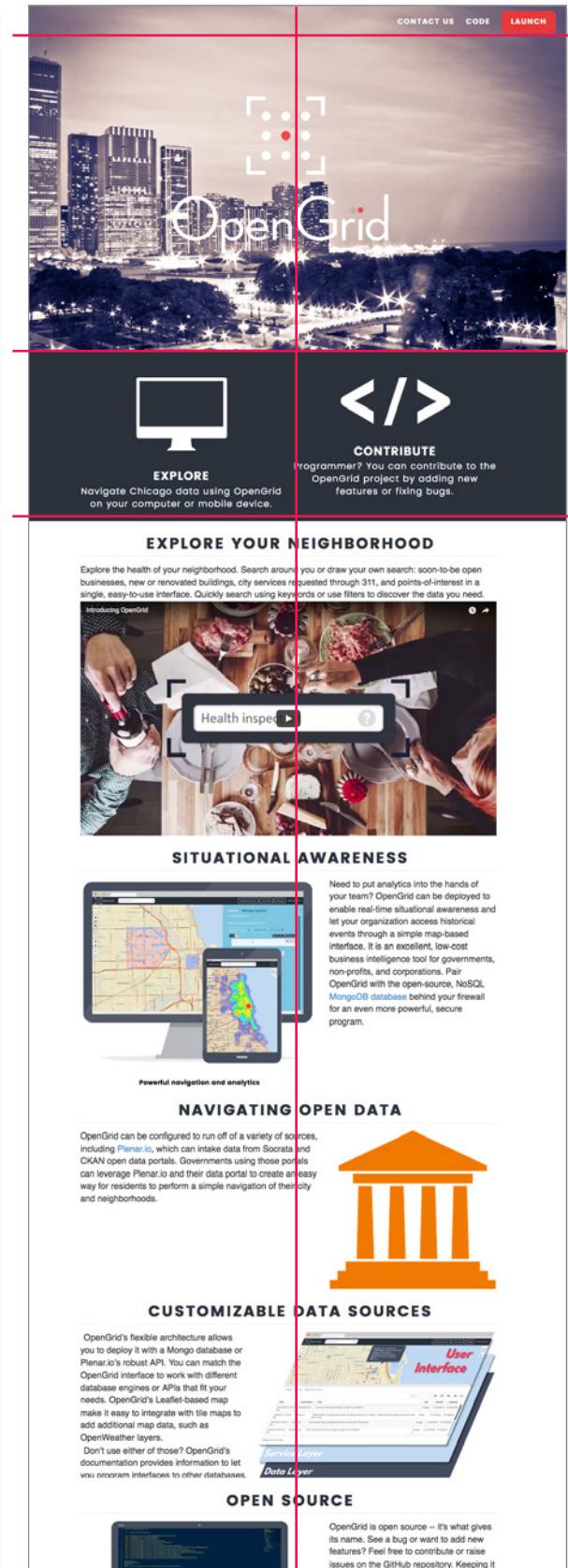
ARCGIS.COM



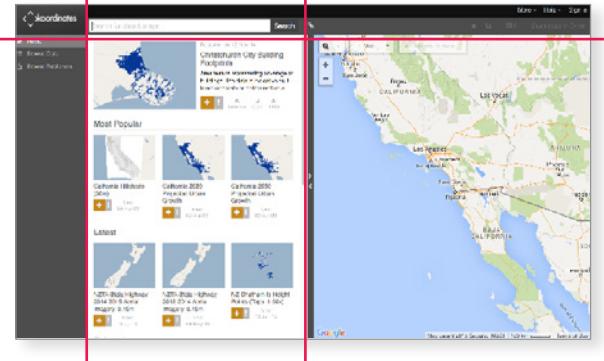
CARTODB.COM



OPENGRID.COM



KOORDINATES.COM



Alternate GeoNode Home Pages

Draft

InnovationLab GeoNode
Open data to further your understanding of disaster risk

Hazard datasets

We maintain a curation of hazard datasets at the global and country level. Tools like ThinkHazard! use these datasets in the backend.

- Earthquake** 94 datasets
- Drought** 11 datasets
- River Flood** 36 datasets
- Tsunami** 4 datasets
- Coastal Flood** 12 datasets
- Strong Wind** 9 datasets
- Volcanic** 1 datasets
- Landslide** 2 datasets

Post disaster

Geospatial datasets collected for Post-disaster damage and needs assessments by World Bank teams

- Nepal Earthquake** 2015-09-08
- Philippines Typhoon** 2015-09-08
- Malawi Floods** 2015-09-08

Feedback? Contact us at vdeparday@worldbank.org

GFDRR Innovation Lab GeoNode

UMap

St. Louis Regional Data Exchange

Our Healthy Massachusetts

GeoSinager

Risk Info

Caribbean Climate

ANALYSIS

Deployed geonodes take on several distinct forms that describe the ability of the geonode administrator's technical ability. Categorized:

- * Advanced: Going beyond what GeoNode provides
- * Managing: Manage with basic templates
- * Attempted: Barely maintained

Advanced geonodes

These geonodes have gone beyond what GeoNode provides. They have created additional tools such as blogs and map stories; and have changed the navigation and page layouts to suit their specific needs. Examples of this include Our Healthy Massachusetts and UMap.

Managing geonodes

These geonodes focus on adding their GIS content, they are managing with the basic templates provided by GeoNode. These geonodes will have some changes to the home page but keep the remaining pages the same. Examples of this include GeoSinager and Risk Info.

Attempted geonodes

These geonodes have minimal content and are barely maintained. Often they have GeoNode 1.0 or 2.0 but with few changes.

Others

Some country geonodes utilize a secure front page.

This screenshot shows the 'Explore Layers' section of the GeoNode interface. It features a map view with several red dots representing data points. A legend on the left indicates layer names like 'delitos', 'Hurto', 'Tva. Robo/Arma', 'Hurto Automotor', and 'Tva. de Robo'. Below the map is a search bar and a 'Cart' button. On the right, there's a detailed view of a specific layer named 'test_vulci'.

Layers Main Page

This screenshot shows the 'Explore Maps' section of the GeoNode interface. It displays a map with a prominent red overlay. A legend on the left lists categories such as 'TEXT', 'CATEGORIES', 'KEYWORDS', 'OWNERS', 'DATE', and 'REGIONS'. To the right, there are two map cards: one titled 'Prueba' and another titled 'ffh'.

Maps Main Page

This screenshot shows the 'Explore Documents' section of the GeoNode interface. It displays a single document entry for 'GPL.txt'. The document has a 'Text' icon next to it. The sidebar on the left includes filters for 'TEXT', 'DOCUMENT TYPE', 'CATEGORIES', 'KEYWORDS', and 'OWNERS'.

Documents Main Page

This wireframe illustrates the proposed design for the 'Product Catalog' page. It consists of three main sections: 'Product Cart' (left), 'Search Results Parameters' (top right), and 'Product Catalog' (bottom right). The 'Product Catalog' section contains a table with columns for 'Thumbnail', 'Object number', 'Name', 'Abstract', 'Owner', 'Date', 'Views', 'Used', and 'Rank'. A 'Cart' button is located at the top right of this section.

Current wireframe

GeoNode

ANALYSIS

- 1 Color palette overpowers the catalog thumbnails. Thumbnails have the ability to overwhelm the page due to the color and parameters of the layer.
- 2 Thumbnails lack visual emphasis and poorly articulate the item.
- 3 Item metadata does not provide a significant visual impact to cause engagement.
- 4 The term 'cart' does not relate to the task at hand. Recommend changing terms or making connection more obvious.
- 5 The item takes up too much visual space without a benefit to the user.

RECOMMENDATIONS

- A Provide multiple ways to view the catalog and search results (card, thumbnail, list, etc.).
- B Add differentiation between functions (filter, search, cart, catalog).
- C Provide layer templates to maximize visual understanding of the content.
- D Change the main view if there is no content in the metadata. Use a more condensed view to support user need to find their content, and eliminate wasted space.
- E Support identifying useful content through more visual metadata: add color, change the size, evaluate the icons for meaning.

Explore People

- John Vlachos**
evgalos GeOInformations
43 Layers, 97 Maps, 1 Static Map, 4 Documents
- swapnil**
No Organization info
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- evgalos**
No Organization info
0 Layers, 0 Maps, 0 Static Maps, 0 Documents

Powered by GeoNode version 2.4 | Developers | About English

People Main Page

Explore Groups

- test**
test
0 Members, 0 Managers
- Customers**
rthwjrhw
1 Member, 1 Manager

Powered by GeoNode version 2.4 | Developers | About English

Groups Main page

WFPGeoNode Layers Maps Resources Users Search Sign in

Explore Users

- francesco.stompanato**
WFP GIS Specialist
43 Layers, 9 Maps, 0 Static Maps, 4 Documents
- mehwish.ali**
WFP OMP GIS Officer Pakistan
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- mohammad.alam**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents

Explore People

- iwetekahozou**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- admin**
No Organization info
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- narumi**
No Organization info
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- nelqua**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- osmoruhav**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- ggg**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- umuetezuek**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- jporto**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- user**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents

Explore People

- geoadmin**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- Ministry of Agriculture ...**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- Marino Wichman**
Seabed Minerals Authority (SBMA)
1 Layer, 2 Maps, 0 Static Maps, 0 Documents
- geo.portal**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- Geoscience Division**
South Pacific Geoscience Commission (SOPAC)
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- Cook Islands Police Ser...**
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- Reboama Samuel**
Risk Reduction Kuki Airani
1 Layer, 2 Maps, 0 Static Maps, 0 Documents
- Emergency Manageme...**
Emergency Management Cook Islands (EMCI)
0 Layers, 0 Maps, 0 Static Maps, 0 Documents
- Maria Etches**
Emergency Management Cook Islands
20 Layers, 7 Maps, 11 Static Maps, 0 Documents

GeoNode

ANALYSIS

- When a color palette is applied it aids user comprehension.
- Logos are impacted by the design of the header and navigation—the shape of the space available for the logo and the background color of the header.
- The card works well when it does not have content, but does not work when content is placed in it—the size and shape changes based on character count.
- The vertical listing of users provides a good alternative to card views.

RECOMMENDATIONS

- Develop a universal CSS that supports minor changes to color that enables user personalization, but does not impact readability and overall design.
- Support users ability to affect change through several header templates that remove a user's need to know code or access to a logo that fits in the space and with the correct background.
- Change the format of the boxes or only show the number of characters that fit in the box. Automatically resize the images to fit in the box.

The figure displays three screenshots of the GeoNode platform interface:

- Left Screenshot:** Shows the "People" section for "John Vlachos (admin)". It includes a profile picture of a koala, basic information (Email: ad@m.in, Position: Not provided, Organization: evgaios GeOInformations, Keywords: Not provided), and a "Resources" section with two map-based documents: "delitos" and "test_vulci".
- Middle Screenshot:** Shows the "All content" section for "John Vlachos (admin)". It lists various resources including maps, documents, and layers. Examples include "Prueba" (a map with a red overlay), "neighorhood_1" (a map of a neighborhood), "poas_sm1_v201" (a map of Poás Volcano), "sample_acled_1" (a map with green dots), "POAS São Miguel" (a map of Poás São Miguel), "san_andres_y_p" (a map with red dots), and "hid_recife_p" (a map with a single green dot).
- Right Screenshot:** Shows the "Documents" section for "John Vlachos (admin)". It lists several document entries, such as "GPL.txt" (a text file), "AddedShapeTR" (a map with blue shapes), "a" (a dark image file), "XYZ" (a map with a purple grid), and "Mapa 1" (a map of a coastal area).

GeoNode

ANALYSIS

- 1 Catalog content view is treated the same regardless of document type.
- 2 Profile lacks separation between individual's details and content.
- 3 There is no feedback mechanism that tells the user how their documents are getting used.
- 4 The user does not have the ability to customize their presence on GeoNode. Each user is treated the same regardless of role in the platform.

Product Detail Page

Draft

MINIMAL REDESIGN

Footer

TOTAL REDESIGN

Footer

GeoNode

Text + Map Document Details

OBSERVATIONS

- 1 Tabbed document details allows for condensed page. This supports user need.
- 2 Items in tabs unnecessarily hide content that has little content, requiring the user to work.
- 3 'Info' and 'About' are separated content. These two pieces of information have more in common than the 'Share' tab.
- 4 There is overlap in content that is separated by design. 'Resources using this document' should be in a tab and more closely related to 'Share', 'Ratings' and 'Comments'.
- 5 There are two Download options.
- 6 Map detail pages include map editing tools.

RECOMMENDATIONS

- A. Combine 'Info' and 'About'; and 'Resources using this document', 'Share', 'Ratings', and 'Comments'.
- B. Default to visualize display over text. Use icons to represent text (with text help on rollover).
- C. Cluster similar objects/content types.
- D. Make downloading simple. Do not use a modal, use FAQ style functionality if there is more than one method of download.

- E. Evaluate map editing tools for usefulness and use cases.

Gallery

The figure consists of three side-by-side screenshots of the GeoNode 'Explore Layers' page. Each screenshot shows a list of datasets with their names, descriptions, and metadata. The first screenshot on the left shows a dense grid of small, low-resolution thumbnails. The second screenshot in the middle shows a similar grid but with larger, more distinct thumbnails. The third screenshot on the right shows the same data but with significantly larger and clearer map thumbnails, making the content easier to discern.

Layers Main page

ANALYSIS:

Format and organization

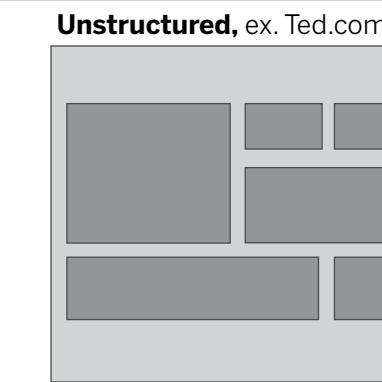
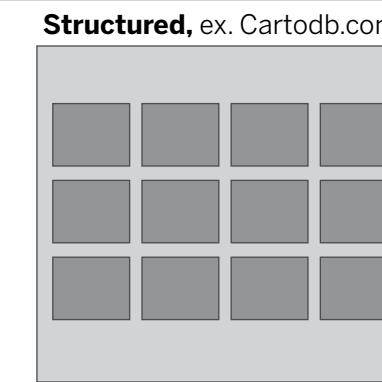
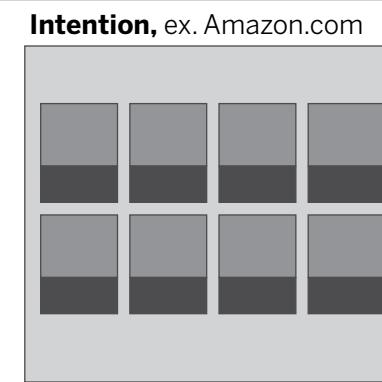
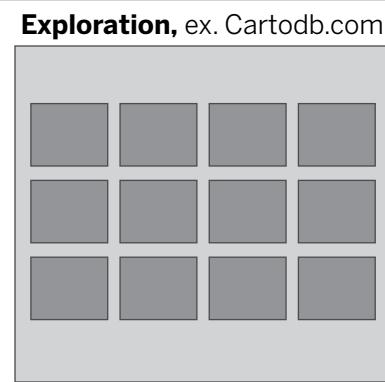
- * List format of content catalog wastes space for minimal gain. Secondary content, metadata and social sharing icons do not need the amount of room provided.
- * Main navigation content does not stay stagnant on page, resulting in multiple scrolls to re-filter and sort.
- * Unending scroll causes user fatigue especially in content that has similar properties and visuals.

Thumbnails

- * Map thumbnails lack visual impact.
- * Poor color choices for maps make ugly thumbnails.
- * Similar layer details with disparate color choices makes it difficult to differentiate between file or layer types—are they the same or not?

Visual Design

- * Minimal colors used in design elements does not support knowing.
- * Small gallery navigation (sort) icons, and gallery related text does not support navigation.



Insights + Recommendations

RECOMMENDATIONS

1. Filterable content
 - * Faceted filters
 - * Info graphics to describe the filtered content: quantity; location of user within content.
2. Use-based display
 - * List, thumbnail, card
 - *
3. Limited and user controlled exploration
 - * Expandable
 - * Results orientated graphic

USER NEEDS:

- * Visual display of catalog
- * Discoverable content
- * Knowable content

GALLERY USER INTENT

Galleries are prolific on the web—found in everything from Amazon to LinkedIn. Galleries are basic content catalogs. They allow users to quickly visualize and understand site content.

User intent is a critical component of gallery display. The user's intent will determine whether copy and metadata is necessary or if only visuals will suffice. Web galleries are designed around basic user intent, which breaks down to:

- * Exploration and discovery—"I'm looking for something new and inspiring."
- * Intentional search—"I need to find x."

GALLERY LAYOUT

Gallery designs include unstructured and structured layouts. Structured layouts are those that follow a tight grid.

Structured layouts.

CartoDB.com uses an edge-to-edge square grid to display its map stories. This method works well for visuals that have disparate color palettes and an obvious start and end. This does not work well for visuals with indeterminate background and foreground colors, such as a white ground with red dots. It relies on thumbnails and the ability of the designers to control those thumbnails. This allows for exploration of random map stories.

Sony.com uses a narrow gutter within a structured grid, and adds a differentiating color ground for its retail site. Its products, headphones and camera lenses, are shown in silhouette on a colored ground. This allows for a modern display and visual differentiation between similar and paired content.

Unstructured layouts.

Ted.com utilizes a limited unstructured layout to add emphasis to trending items within its video catalog. The random structure allows for new or trending items to increase in visual prominence and new user introduction to the vast catalog of videos. They also use a gutter between images.

SHOW MORE

Galleries with extensive content are difficult to navigate and present loading problems.

- * Use 'Show More', and page buttons and similar tools to manage extensive galleries.
- * Allow users the option to have all the content on one page, or on multiple pages.
- * Use phased loading to minimize the amount of time users are required to wait to see content.

Gallery Filters

Filters provide users deeper access into the gallery and an understanding of what metadata exists for the content. For rich data, with multiple data points for each item, faceted filters provide the most effective filtering.

Faceted Navigation

Faceted navigation provides multiple filters, one for each different aspect of the content. Faceted navigation is thus more flexible and more useful than systems which provide only one or two different types of filters, especially for extremely large content sets. Because faceted navigation describes many different dimensions of the content, it also provides a structure to help users understand the content space, and give them ideas about what is available and how to search for it.

<https://www.nngroup.com/articles/filters-vs-facets/>

TAGGING AND METADATA

Social sharing and usage data provides feedback on an item's usefulness to the community.

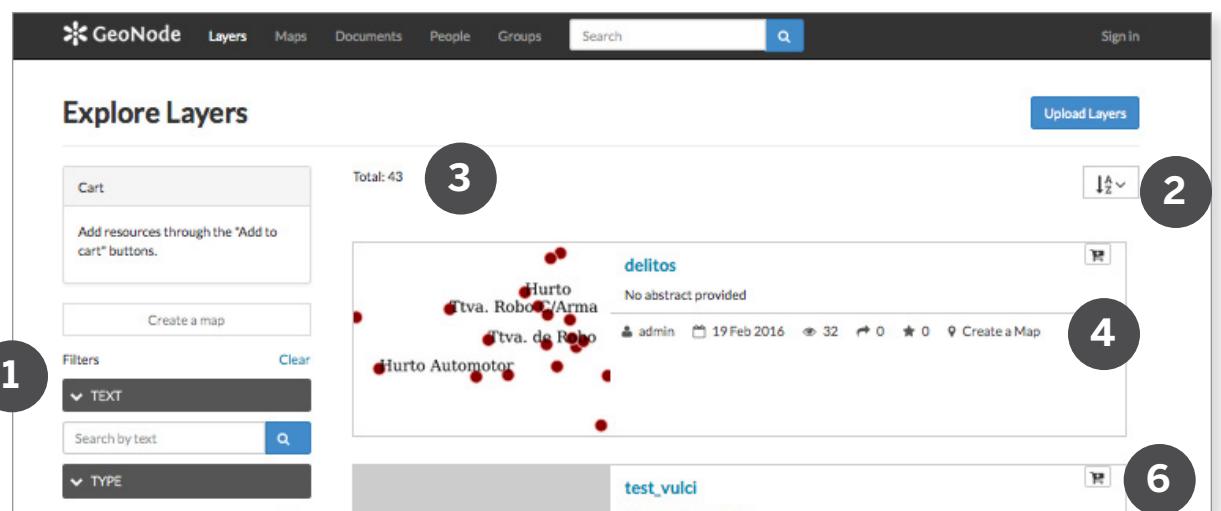
- * Use info graphics to provide at a glance 'proof' of document usefulness to the community.

Tagging and Categories

- * Use icons and bolder color differentiation to define categories and tags.

Color

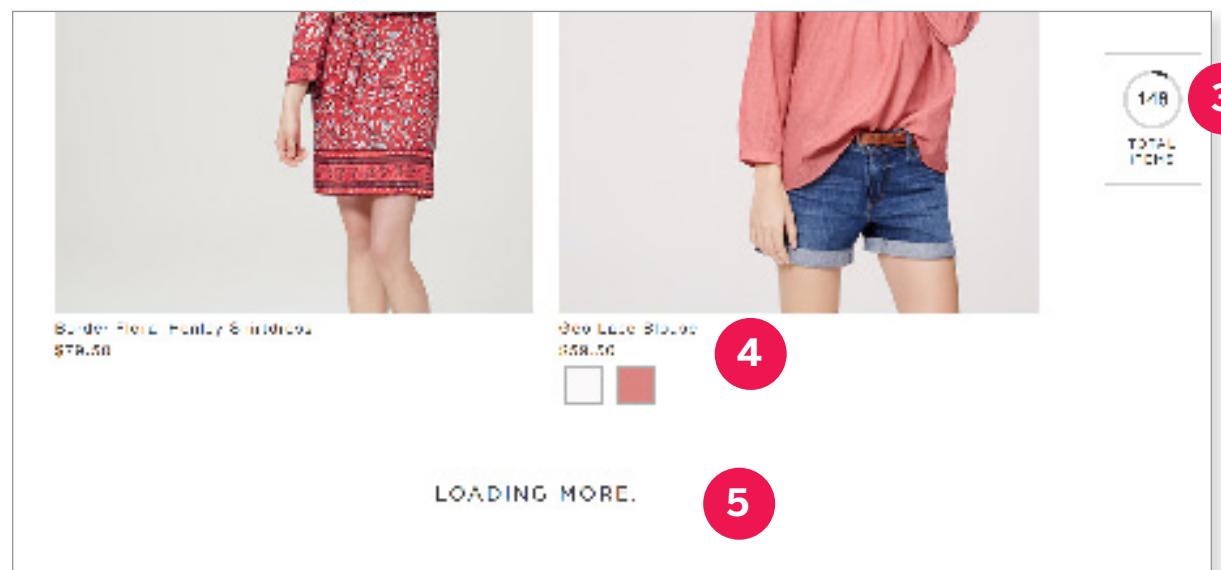
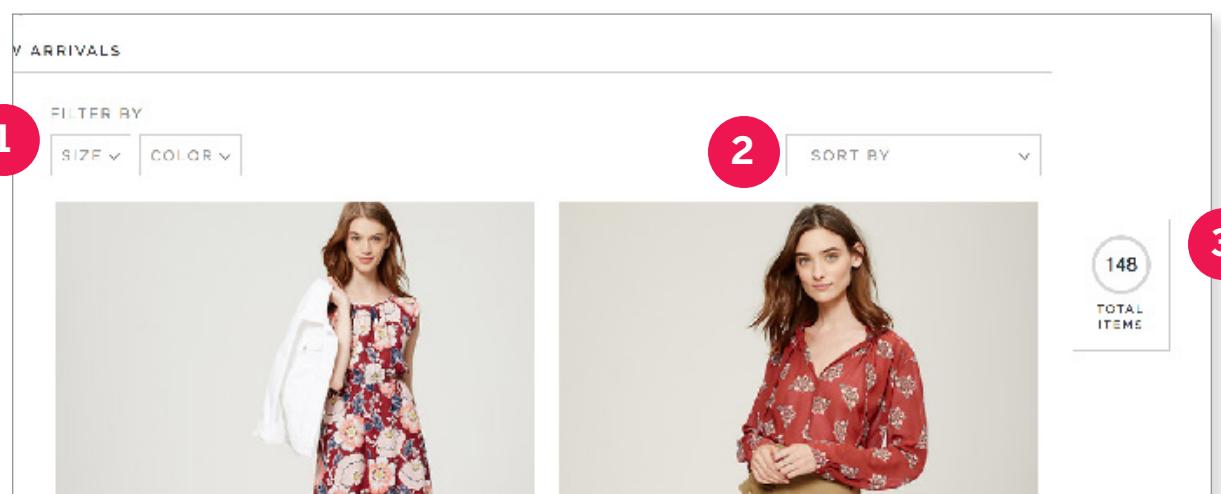
- * Use color judiciously to draw focus and enable identification.
- * Use gray tones, boxes and clustering to provide distinctions between content types.



Navigation Items

RECOMMENDATIONS

- 1 Minimize filter
- 2 Make sort visible
- 3 Make total files visible and location of gallery in total files knowable
- 4 Move metadata to below image and rollover.
- 5 Do not load all the files immediately. Allow user behavior to indicate need.
- 6 Move cart to more prominent location.



Gallery Navigation

Draft

Explore Layers

Cart Total: 43 (circled 2)

Create a map

Filters

- TEXT
- TYPE
 - Raster (6)
 - Vector (37)
- CATEGORIES
- KEYWORDS
- OWNERS
- DATE
- REGIONS
- EXTENT

no image

SONY Electronics + PlayStation Entertainment + Support Search Sony Sites

CAMERAS α Interchangeable-Lens Cameras See Accessory System Chart

FEATURED CAMERAS LENSES ACCESSORIES

71 Products Filter Grid Compare SORT BY: Featured

CAMERA MOUNT A Mount E Mount Learn More

PRICE \$0 \$15000+

BEST FOR Portraits, Travel and Landscapes, Sports and Action, Night and Indoor

Sensor 35mm Full Frame APS-C Learn More

Learn More

NEW NEW NEW

Navigation Tools

RECOMMENDATIONS

- 1 Make filtering an option
- 2 Connect number of filtered files to filtering
- 3 Make visual choices obvious
- 4 Quantifiable data
- 5 Qualitative metadata
- 6 Use multiple soft and hard choices to refine search
- 7 Allow users to find a glossary or learn about an item.
- 8 Make tagging visible through color and placement

Gallery Views

RECOMMENDATIONS:

1. USE-BASED DISPLAY

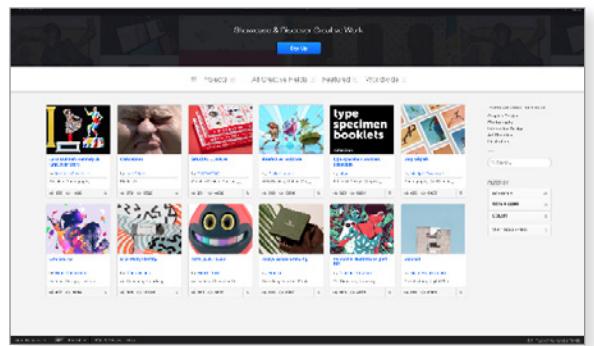
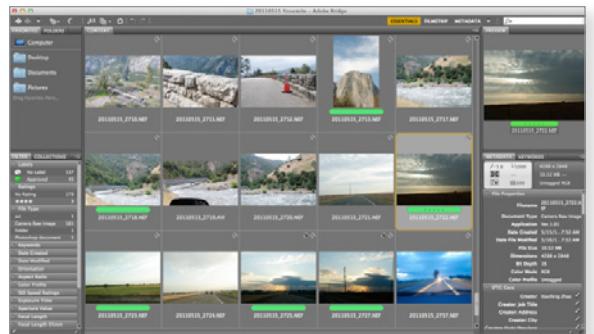
There are two main drivers for the gallery:
Exploration and discovery—'I'm looking for
something new and inspiring.'

Intentional search—"I need to find x."

Both need to be supported in the logged in state.

Features should include:

- * Structured
- * Visible minimal metadata
- * Personalizable view



INTENTIONAL SEARCH

Adobe Bridge

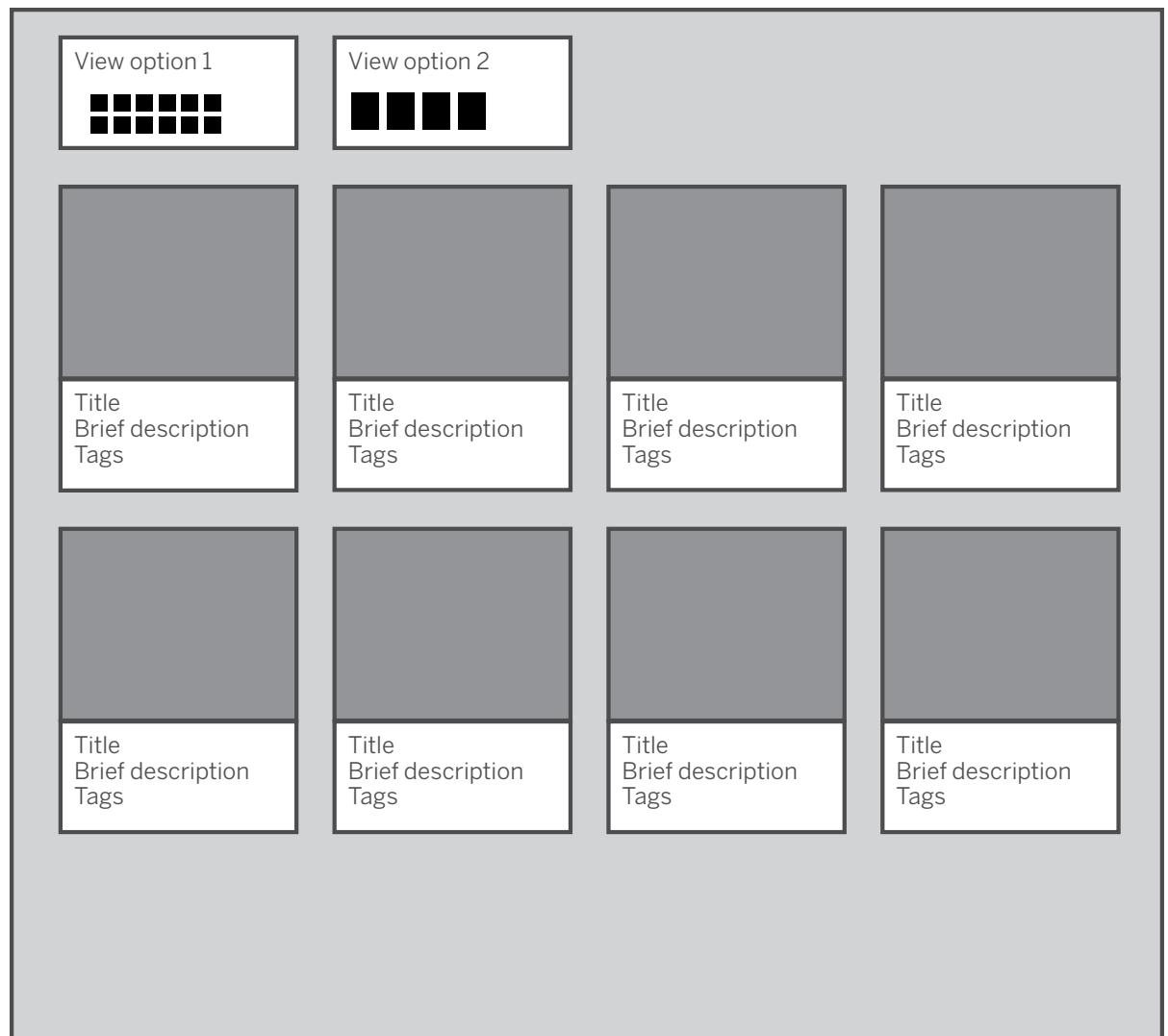
This is a file management software that allows users to visually manage their content.

Each file is indicated by location in folder, thumbnail, shortform meta data and access to more meta data.

EXPLORATION + DISCOVERY

Behance.com

Behance is Adobe's community portfolio site. The community showcases design work by individuals and teams; and offers job searches.



Gallery Filters

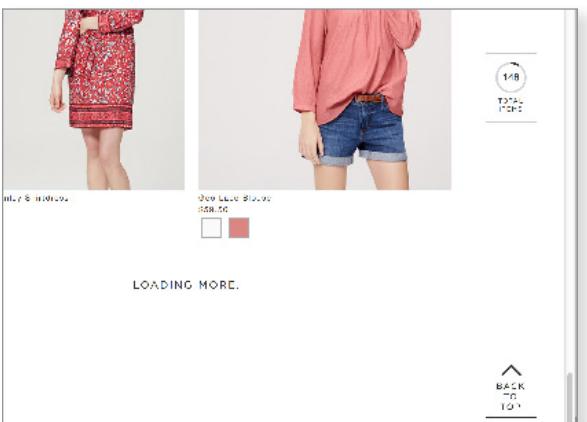
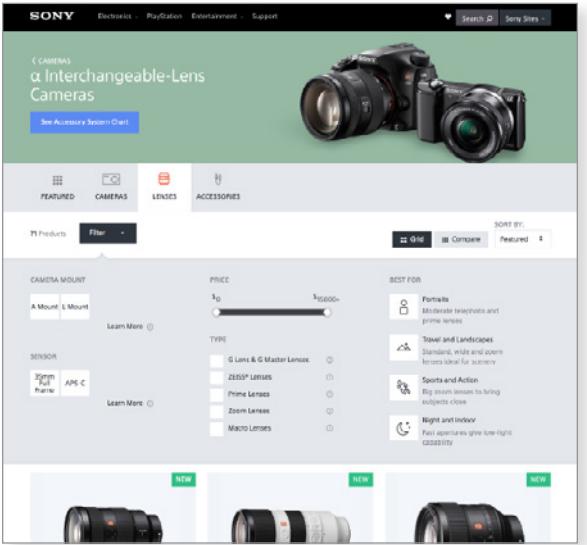
RECOMMENDATIONS:

2. LIMITED AND CONTROLLED EXPLORATION: FILTER-ABLE, ON DEMAND EXPANDABILITY

Filters should provide relevant filters that support knowing what data is available. The results of a filter selection should provide users an ability to understand what type of results it will create. Do not show all of the results immediately but allow the users to enter into the results and expand them upon demand.

Features Include:

- * Relevant to user role
- * Provides user navigation cues to quantity of files that fits their criteria
- * Allows user to add more views to the page or switch to another page.



Who does it well:

Sony.com

Sony uses simple design, flat (2.0) design to effectively organize and distinguish its catalog of products.

The faceted filter is designed specifically for narrowing lenses.

- * It indicates the number of items resulting from user choices; allows for multiple views, and sort by features.
- * It is dynamic, allowing users to view results and reconfigure filters.
- * Filters offer both qualitative and quantitative choices.

Loft.com

This retail site provides users the option to see thumbnails or portraits of catalog. To support load time and user navigation it provides users an understanding of how many images a filter produced, and after the initial scroll through the loaded 10-20 items, it shows a 'loading more' indicator, and provides navigation aids to return to the top.

Metadata filters

Date

Location

Type of information

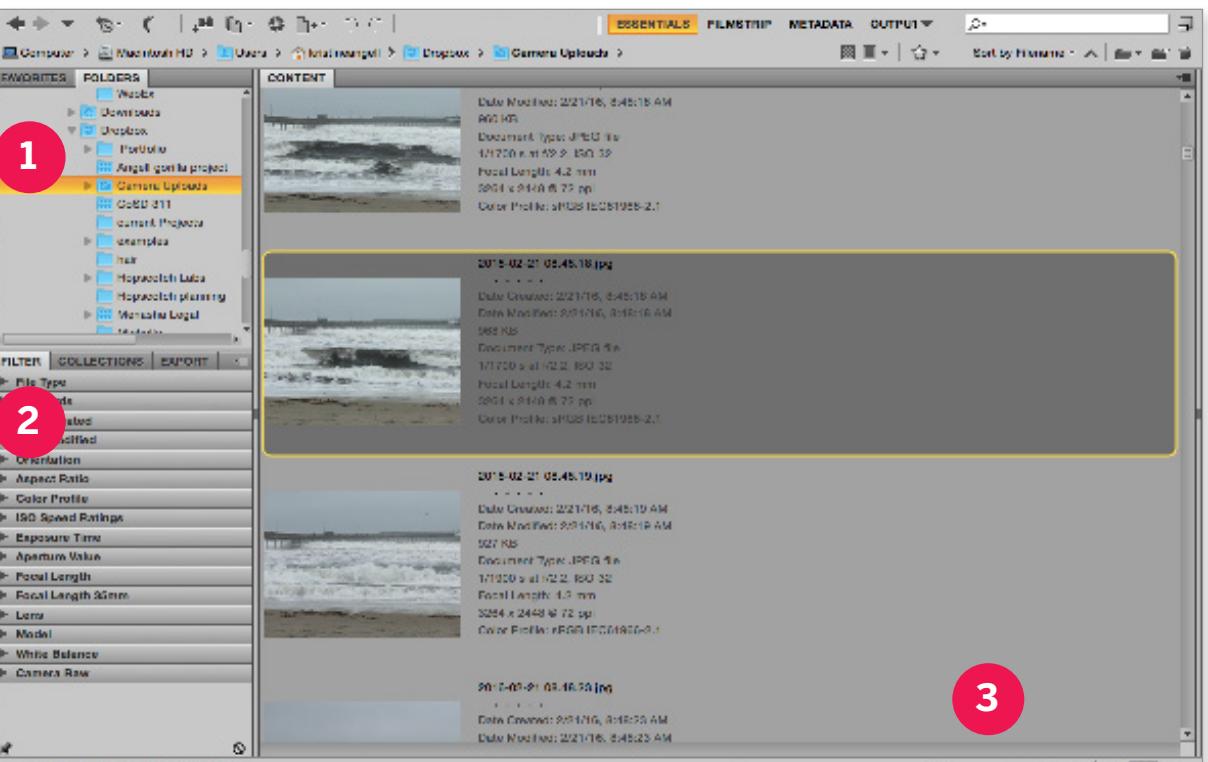
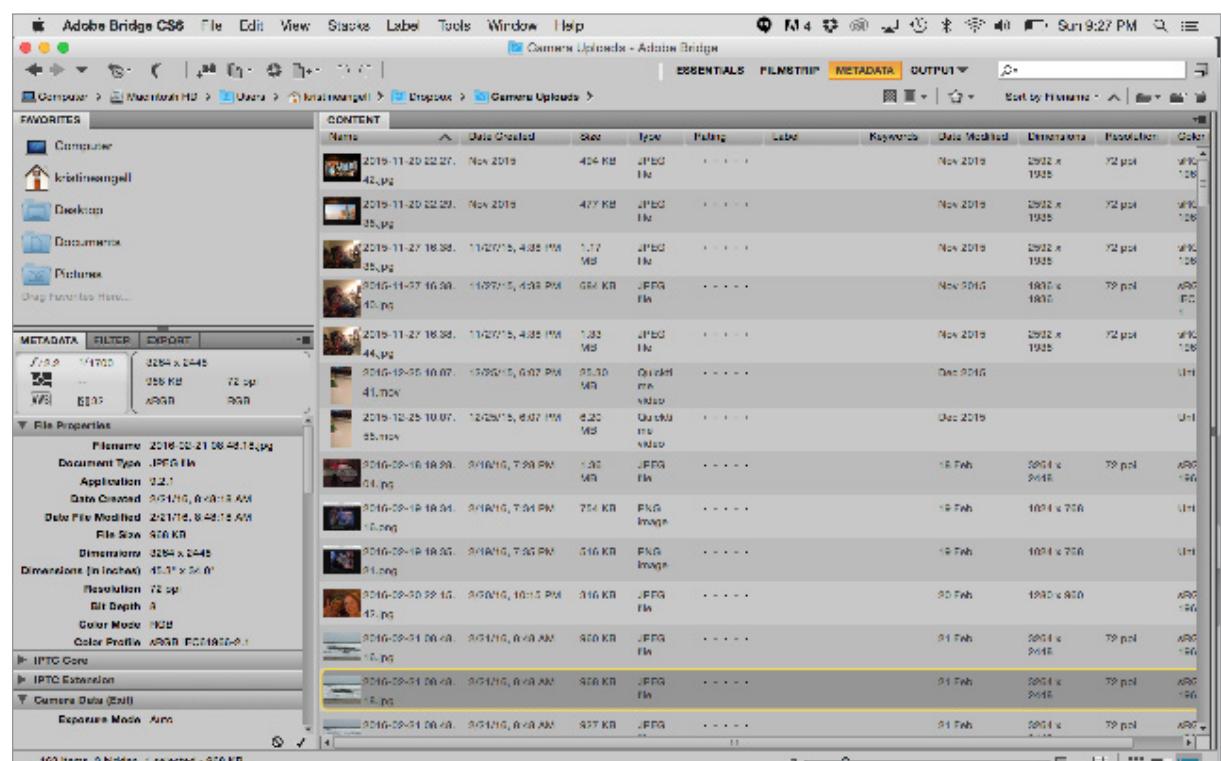
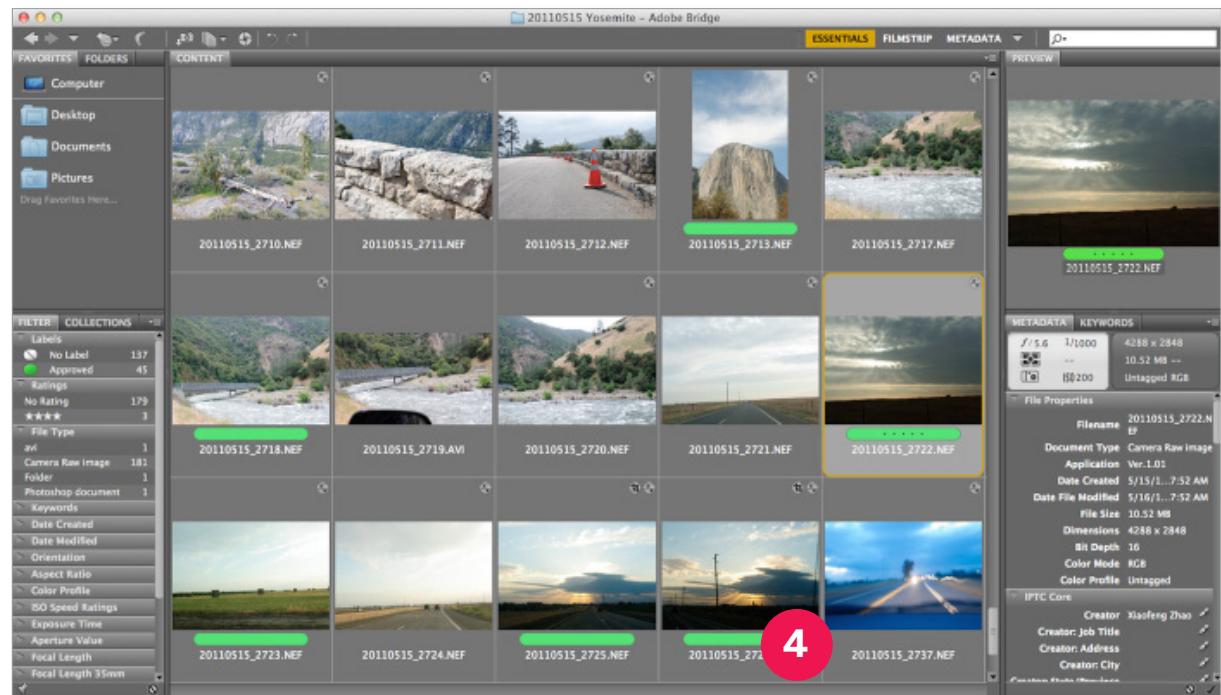
Source

60 files
you've viewed
25

[Return to top >](#)

Adobe Bridge, file management software

Draft



Adobe Bridge

This is a file management software that allows users to visually manage their content.

Each file is indicated by location in folder, thumbnail, shortform meta data and access to more meta data.

INSIGHTS

- * Flexible structure enables users to engage with the content in a style and manner that fits their needs.
- * Frameworks that visualize details is best suited for working environments.
- * Flexible thumbnails support verifying good data.

ANALYSIS

Structure

Flexible 2-3 column grid with horizontal framing navigation and content controls. Follows traditional Western layout.

Functionality

- * Provides multiple ways to view file and its content.
 - * Allows for presentation and file tagging personalization.
- 1 File location: clickable, navigable
 - 2 Metadata: editable
 - 3 View format: size and format
 - 4 File name and ranking

ArcGIS Solutions GALLERY COMMUNITY 

Gallery

Search Solutions Gallery 

Show Me

All

Industries

- Local Government
- State Government
- Parks and Gardens
- Electric
- Gas
- Water
- Telecommunications
- Emergency Management
- Defense
- Command and Control
- Intelligence
- Operational Readiness

Vehicle Commander Defense

Cross-Country Mobility Defense

ArcGIS Predictive Analysis Web Defense

Range Cards Defense

Satellite Image Defense

GeoEvent Extension Components for ArcG Defense

Sun Position Analysis Defense

Image Change Detection Defense

Vehicle Commander Defense

GeoEvent Extension Components for ArcG Defense

Sun Position Analysis Defense

Image Change Detection Defense

Vehicle Check Point Defense

Patrol Data Capture Defense

Geonames Locator Defense

Image Observables Defense

National Security Basemaps Defense



ArcGIS Solutions GALLERY COMMUNITY 

Community

ArcGIS Solutions

Connect with your peers, Esri Partners, and the teams at Esri dedicated to helping you increase the value of GIS in your organization.


Local Government


State Government


Emergency Management


Water


Partners


Training

? Esri Support

If you need help implementing one of the solution maps or apps in your organization, contact Esri Technical Support via live chat, phone, or email.

Esri Technical Support

Professional Services

Esri Professional Services can help you quickly configure and deploy solution offerings and the ArcGIS Platform necessary to support the solutions.

Esi Professional Services
Rent a Tech Services
Project Services

Partners

Explore a gallery of complementary partner applications that extend the solution, or find an implementation partner that can help you deploy one or more maps and apps in your community.

Esri Partners

Training

Browse a collection of training classes to learn more about the latest ArcGIS tools and tips to make your solution implementation go more smoothly.

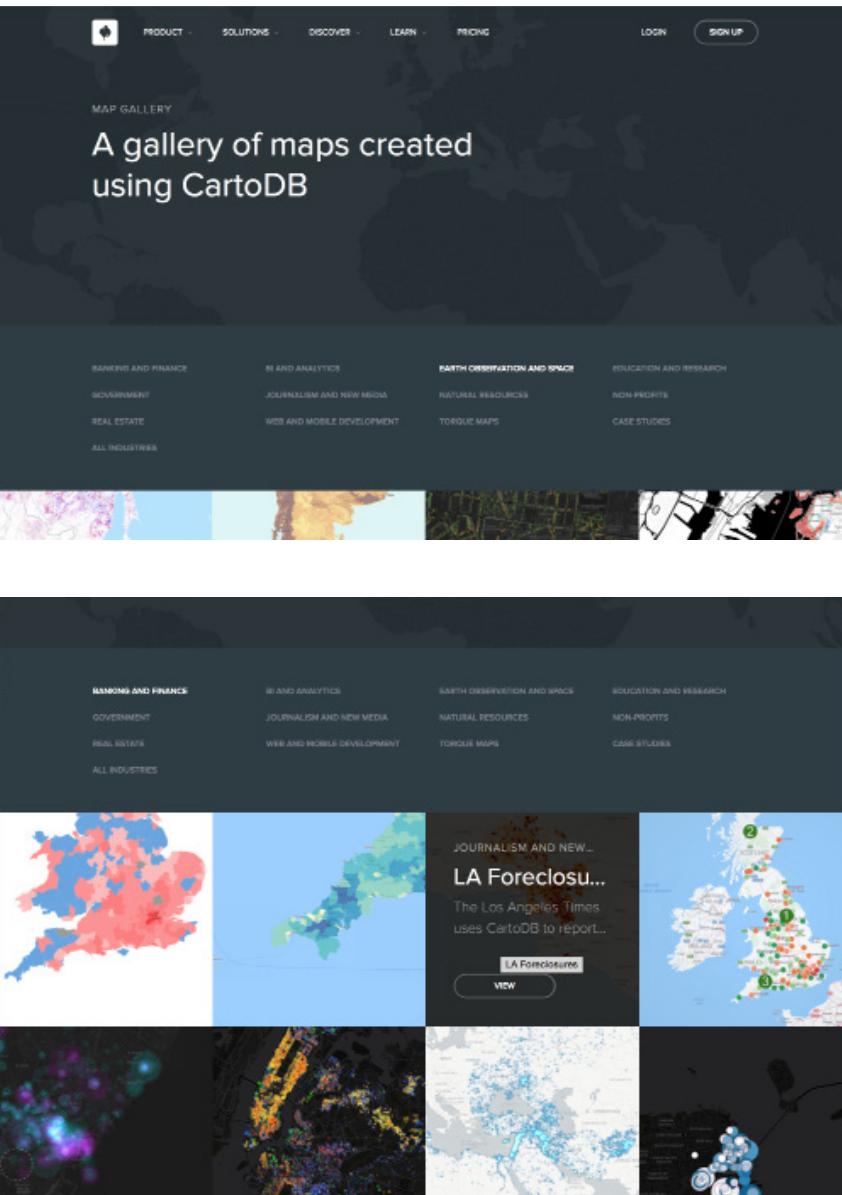
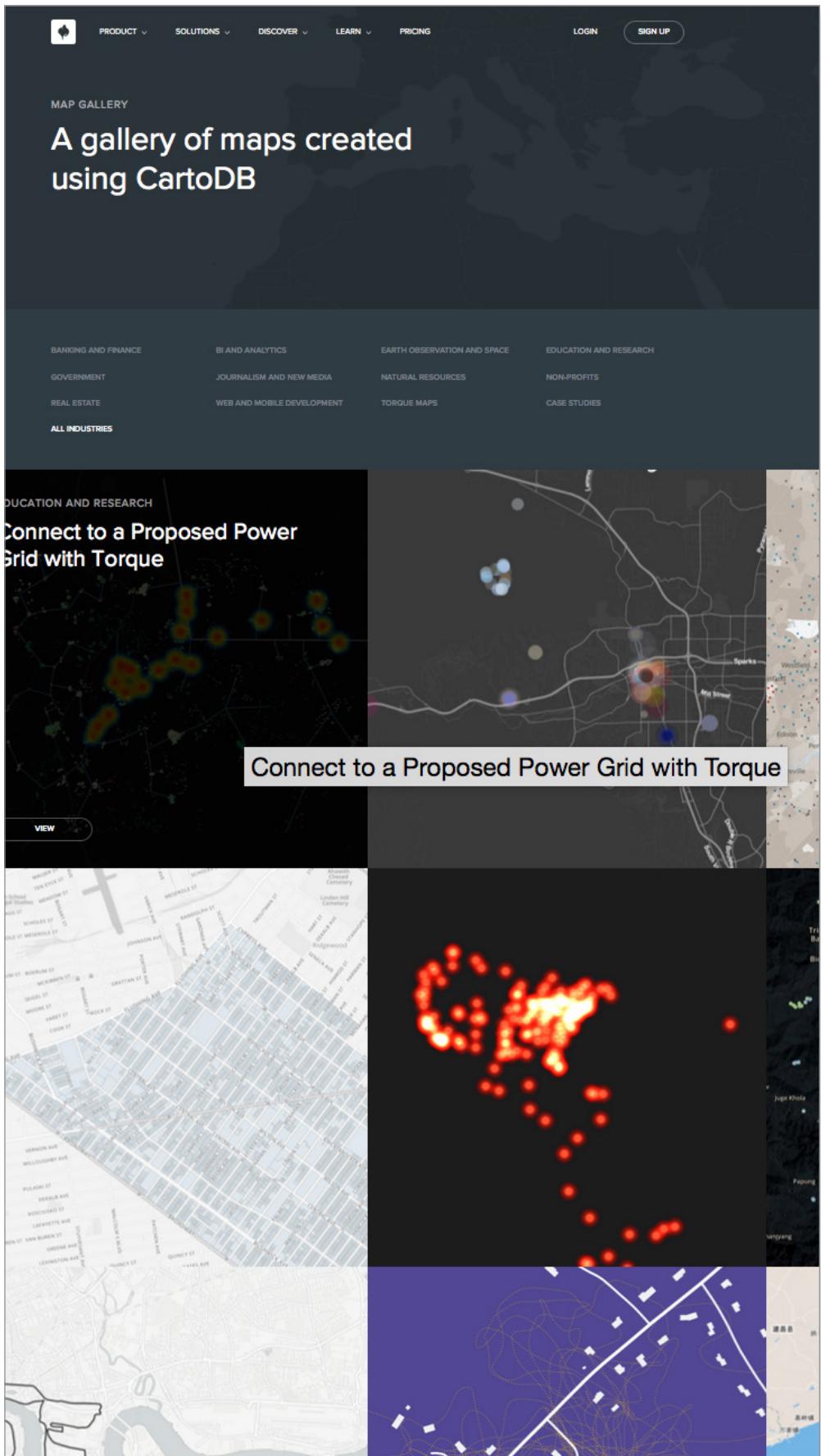
ArcGIS Training Classes
ArcGIS Online Training
Instructor-Led Training

ArcGIS

ArcGIS uses a structured grid with minimal product details. A left column allows for dynamic filtering.

COMMUNITY

The ArcGIS Solutions Community utilizes cards with tagged items to indicate community features.



CartoDB

This online gallery for CartoDB, a mapping and storytelling tool, allows users to filter by map content, to visualize the versatility of the tool, and hover for more details.

INSIGHTS

- * Structured tiles work well with disparate visual images, poorly with images of indistinct content.
- * The lack of meta data supports general public, those more interested in exploration.

ANALYSIS

Content

- * Content is visually striking.

Visual Design

- * Design utilizes typical Wordpress and blog tactics to display content.
- * White on dark ground increases visual interest.
- * Dark menu with gray unselected text is illegible.

Interactivity

- * Rollover metadata (name, description) rewards user for interacting with the website with minimal information about the map.

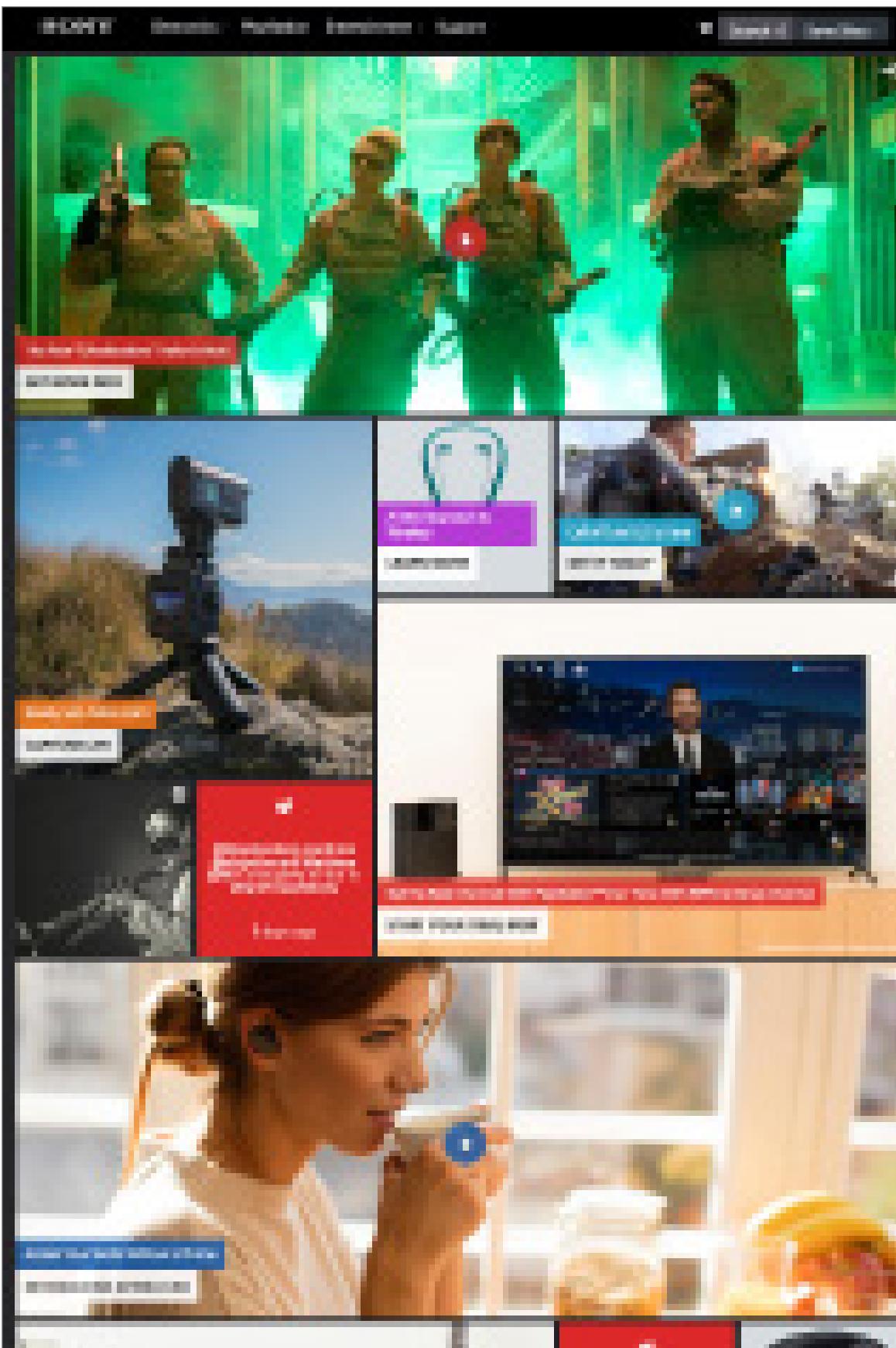
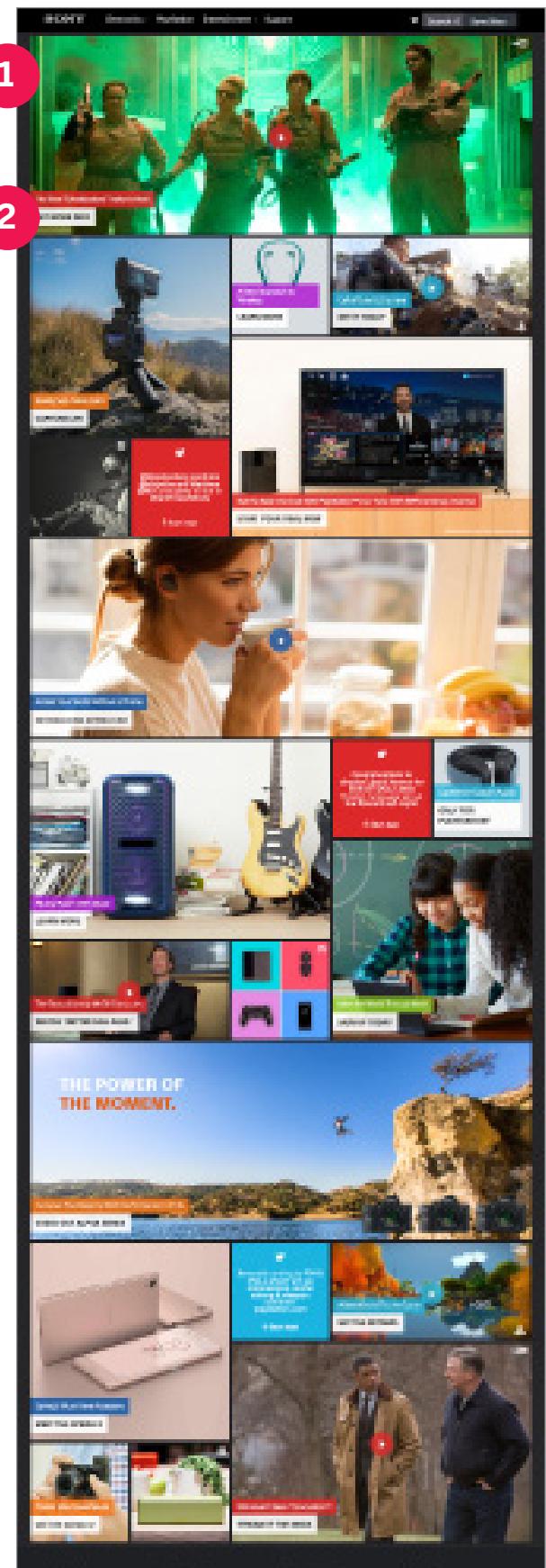
The image displays five screenshots of the Sony.com website's product catalog. The top row shows the 'Interchangeable-Lens Cameras' and 'Lenses' sections, while the bottom row shows the 'Accessories' section and two camera models, the α6300 and α7R II.

- Top Left (Interchangeable-Lens Cameras):** Shows a large image of two cameras. Below it are filters for 'FEATURED', 'CAMERAS', 'LENS', and 'ACCESSORIES'. A red circle labeled '3' points to the 'CAMERAS' filter.
- Top Middle (Lenses):** Shows three lenses: FE 24-70 mm F2.8 GM, FE 70-200 mm F2.8 GM OSS, and FE 85 mm F1.4 GM. Each lens has a red circle labeled '2' pointing to its product details.
- Top Right (Accessories):** Shows a large image of two cameras. Below it are filters for 'FEATURED', 'CAMERAS', 'LENS', and 'ACCESSORIES'. A red circle labeled '1' points to the 'CAMERAS' filter.
- Bottom Left (Accessories):** Shows a large image of a camera. Below it are filters for 'FEATURED', 'CAMERAS', 'LENS', and 'ACCESSORIES'. A red circle labeled '3' points to the 'CAMERAS' filter.
- Bottom Middle (Cameras):** Shows three camera models: α6300 E-mount camera with APS-C Sensor, α7R II with back-illuminated full-frame image sensor, and α7S II E-mount Camera with Full-Frame Sensor. Each camera has a red circle labeled '1' pointing to its product details.

Sony.com

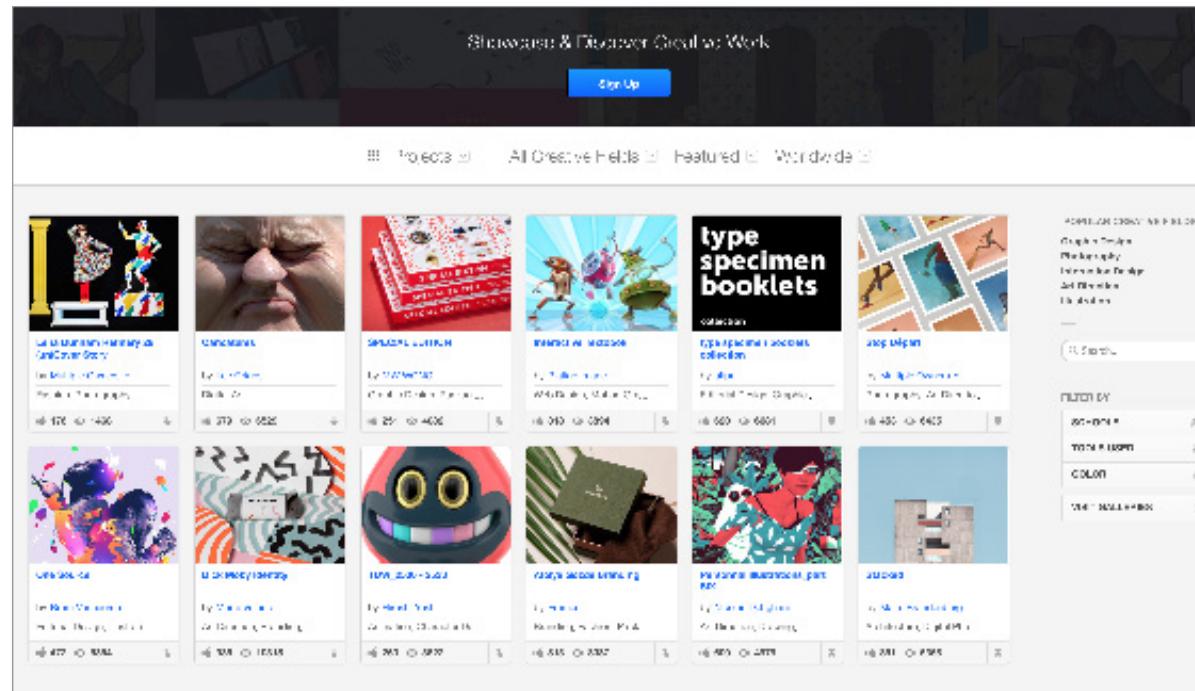
Sony uses simple design, flat (2.0) design to effectively organize and distinguish its catalog of products.

- 1 The faceted filter is designed specifically for narrowing lenses.
 - * It indicates the number of items resulting from user choices; allows for multiple views, and sort by features.
 - * It is dynamic, allowing users to view results and reconfigure filters.
 - * Filters offer both qualitative and quantitative choices.
- 2 Product metadata is shown in both tags and brief details.
 - * Tagging is done in color
 - * Product details provide the name, product code and key differentials.
- 3 Page organization and design supports navigation and changes to thumbnails.
 - * Simple color palette and icons support comprehension.

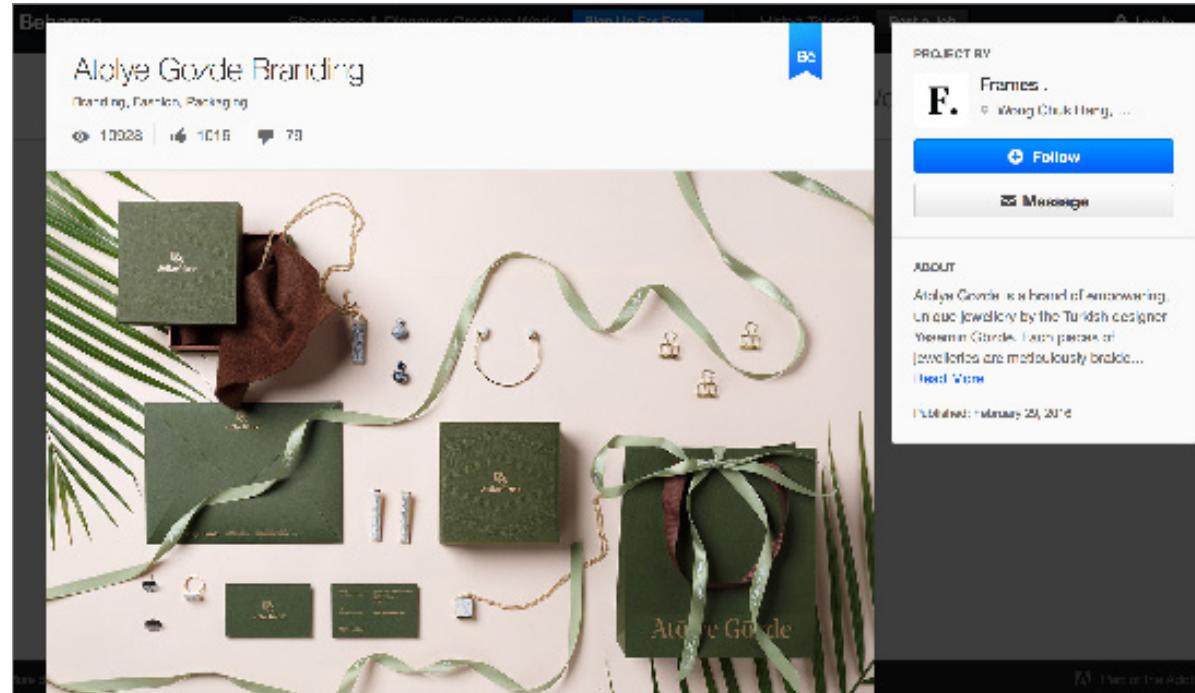


Sony.com

- 1 Sony duplicates the catalog grid in their home page gallery. The strength of the grid is not impacted by the change in color and imagery.
- 2 The flexible grid is supported by colored tagging that indicates link type helping make the results of a click knowable to the user.



Gallery



Project model

This screenshot shows a user profile page for 'F. Frames'. The profile includes a bio, a 'PROJECT BY' section with a grid of project thumbnails, and a 'PORTFOLIO' section with a grid of project thumbnails. The sidebar on the left lists various sections of the profile: 'About', 'Work', 'Education', 'Skills', 'Interests', 'Connections', 'Reviews', 'Comments', 'Likes', 'Followers', and 'Following'.

User Profile

Behance.com

Behance is Adobe's community portfolio site. The community showcases design work by individuals and teams; and offers job searches.

INSIGHTS

- * Platform is designed to inspire communication and discussion.

ANALYSIS

Content

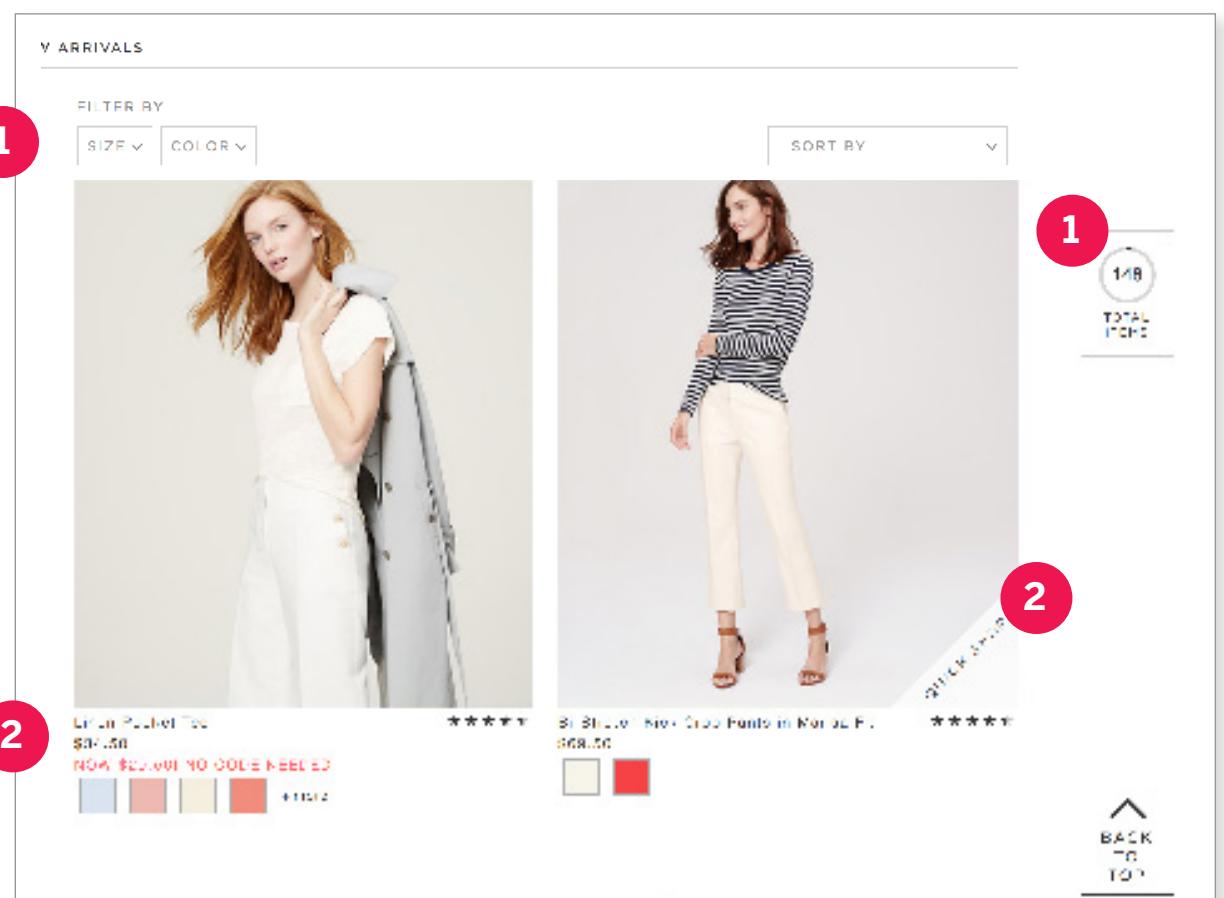
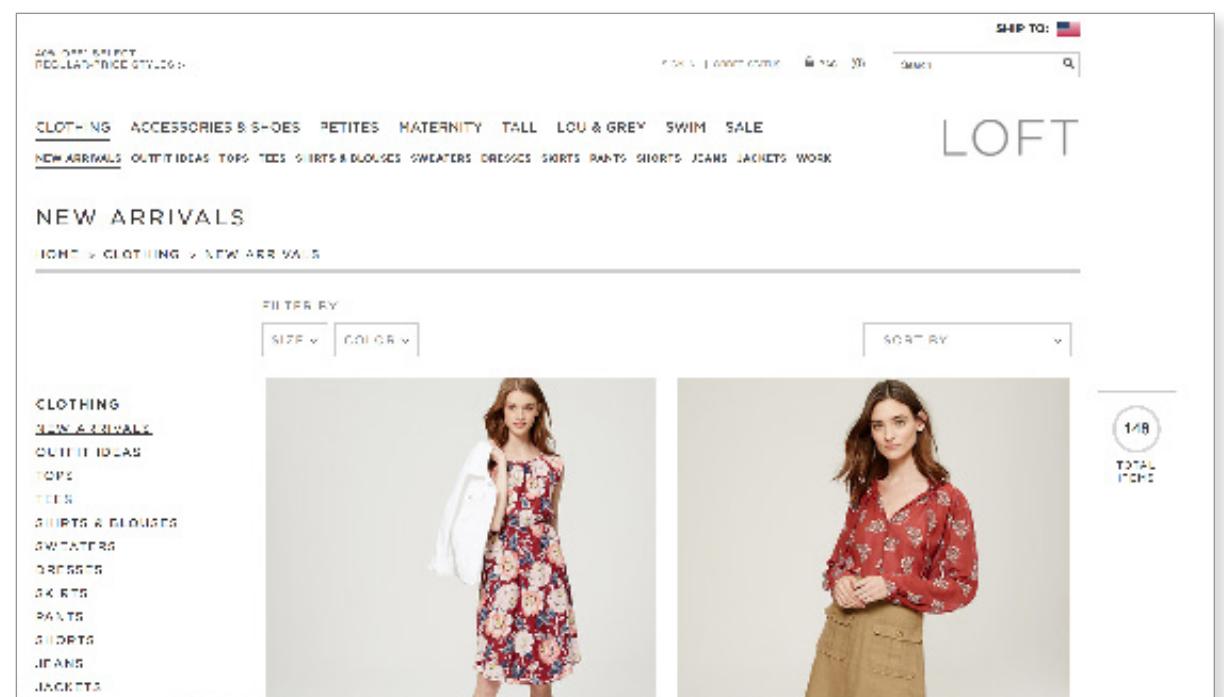
- * Metadata of user and project treated equally in public view.
- * Trust is built through social following, time on platform ('member since'), 'featured in', web references, awards.
- * Each project provides user feedback on community sentiment with number of views and social thumbs up.

Structure

- * Two column grid

Functionality

- * Projects display as modals.



Loft.com

This retail site provides users the option to see thumbnails or portraits of catalog. To support load time and user navigation it provides users an understanding of how many images a filter produced, and after the initial scroll through the loaded 10-20 items, it shows a 'loading more' indicator, and provides navigation aids to return to the top.

ANALYSIS

- 1 Dynamic filtering provides immediate catalog product count for results. Catalog count provides user location within catalog.
- 2 Limited metadata is expandable upon rollover, and click through. Click through brings up a modal, and does not move user from location within catalog.

Metadata

Recommendations

MUST HAVES:

- 1. Support metadata completion through preferences.**
 - * Capture metadata preferences 'on the go', when users are selecting or filling out basic details. Ex. After a user selects a metadata standard for download, ask users: 'Do you want to save this method of download to your preferences? You will be able to change it later.'
 - * During account creation invite selection.
- 2. Support metadata templating or organizational metadata.**
 - * Allow users to fill out the information once and copy and repeat as appropriate.
- 3. Provide visual aids to support user understanding.**
 - * Use hinted fields and search.
 - * Include a glossary or dictionary.
 - * Include a table of contents.
 - * Include hover over text or provide a Question mark with an explanation for odd or difficult concepts.
- 4. Use existing design styling to eliminate confusion.**

For example, the GeoNetwork form fields use an outlined box with a chunk missing out of it.

 - * This styling is limiting and does not support user navigation or understanding.
 - * Buttons and modals should be used judiciously, there are other tools that are better suited to adjacent information.
 - The secondary buttons within each square compete with each other and with the save button for the user's attention. This would be better treated as a [file folder] tab system.

* Break it up. Put the critical elements up front and savable. Put the nice to haves in an optional section.

Treating the page as a long vertical means users have to work, that it looks like the requests are unending.

5. Use natural language.

* It makes forms more friendly while also providing more context to the reader. If there are data points that are critical but never get an entry created an instruction or reason field next to the request. Perhaps introduce the idea of 'usable maps': make your map usable and findable by adding metadata. Maps with metadata get used x% more.

6. Required fields.

* A) Users should be able to save what they've done and come back to something that's required. Higher goal: capture the content first, the tags and metadata 2nd.
* B) If it's required provide the tags to make it easy to complete. Goal: ease of use; increase completion rate.

basis can ensure both the relevance and timeliness of information. https://articles.uie.com/eight_things/

11. Bank terms/controlled vocabulary: Have a stored bank of typical terms and data points to speed data entry

12. Visible: Make selection visible

13. Utility: Eliminate metadata input areas that offer little ROI, or that are not used for search or organizational purposes.

14. Valuable: Make metadata purposeful and valuable. Give users a reason to fill it out.

BEST PRACTICES, COMPUTER HUMAN INTERFACE (CHI)

<http://www.uxmatters.com/mt/archives/2006/06/faceted-metadata-for-information-architecture-and-search.php>

15. Create two separate systems of classification for:

- * Navigating categories (taxonomy)
- * Navigating, or filtering, products/documents (hierarchical metadata)

16. Provide a user interface that allows users to:

- * Track what they have selected so far
- * Easily make changes to their selections, without affecting other selections
- * Move easily between categories and products/documents

17. Be careful to create a user interface that isn't likely to produce empty result sets.

USABILITY OF METADATA

- 7. Familiar:** Follow known standards and best practices.
- 8. Return-ability:** Make it easy to save and come back to
- 9. Kitting:** Cluster similar items and/or a predetermined set/kit of metadata for specific items
- 10. Archive-able:** Automate Map Lifecycles. Automate processes that address the review, archival and/or disposition of information on a regularly scheduled

Metadata Full Standards Form Example

Draft

Metadata

Basic	Full	Walk Through
-------	------	--------------

RECOMMENDATIONS:

1. Allow users to decide how much they want to fill out regardless of location in the metadata.
2. Enable automatic saving.
3. Turn filling out the form into making a selection.

Basic

File Name
(describe preferred naming convention)

Description
(describe type of content needed)

Describe the type of layer, its location and type of content.

Keywords
(Tag your file with key words to aid discovery. Choose from the common tags below or type your own.)

Street, House, Iquaeprovit, voluptatur, Giam, exe, essinust, quisqui, coresciis, quiditae, nis aut vendusa, pidenihit eost, sum nonesiae porum si dolorest

Categories

File Thumbnail

Replace with new thumbnail

File Attributes
(Update the attributes to reflect their true nature.)

Attribute 1	Attribute 1
Attribute 2	Attribute 2
Attribute 3	Attribute 3
Attribute 4	Attribute 4
Attribute 5	Attribute 5
Attribute 6	Attribute 6
Attribute 7	Attribute 7
Attribute 8	Attribute 8
Attribute 9	Attribute 9
Attribute 10	Attribute 10
Attribute 11	Attribute 11

File Permissions and Licenses

Permissions

Save to Personal Profile

File Owner

Owner Name

Contact information (URL/Phone number/Email)

Upload Logo

Point of Contact

Contact Name

Email

Phone Number

URL

Save ▾ **Save + Continue** ▾ **Cancel** ▾

Metadata Full Standards Form Example

Draft

Full

File Name
(describe preferred naming convention)

Description
(describe type of content needed)

Describe the type of layer, its location and type of content.

Keywords
(‘Tag’ your file with key words to aid discovery. Choose from the common tags below or type your own.)

[Street](#), [House](#), [Iquaeprovit](#), [voluptatur](#), [Giam](#), [exe](#), [essimust](#), [quisqui](#), [coresciis](#), [quiditae](#), [nis aut](#), [vendusa](#), [pidenihit eost](#), [sum nonesciae porum si](#), [dolorest](#)

Categories

File Permissions and Licenses

Permissions

Save to Personal Profile

Save > **Save + Continue >** **Cancel >**

File Thumbnail

Replace with new thumbnail

Step 1 **Step 2** **Step 3** **Step 4**

1 → 2 → 3 → 4

Contents >

Metadata Visualizer

Ivory Coast Street Grid
Updated: 10/9/16

Street → House

Description: Rore versperro dissiti tempor aliquis aruptum ipit in cora nonseruptas core veliqui bearchi litaspic testia dundam et estorpo restrumquam faccaborepel magnime pa ent arionsent es sunt lit, volupta aut as nos ex eos esecae lacea adit, sitios auda delest volorem ventia

Glossary/User Help

Term

Description: Rore versperro dissiti tempor aliquis aruptum ipit in cora nonseruptas core veliqui bearchi litaspic testia dundam et estorpo restrumquam faccaborepel magnime pa ent arionsent es sunt lit, volupta aut as nos ex eos esecae lacea adit, sitios auda delest volorem ventia

RECOMMENDATIONS:

1. Show the user's progress through visualizing the content they are adding.
2. Provide immediate feedback and support.
3. Enable automatic saving when moving between steps.
4. Provide a table of contents to aid finding key elements.

Metadata Walk Through (Wizard) Form Example

Draft

Walk Through

1 → 2 → 3

Thank you for uploading your file:
PopSL2016.cad, 03/17/16.

Give it a more discoverable name.

File name

Describe the file and its purpose.

Describe the type of layer, its location and type of content.

Select or enter the Keywords to aid discovery.

Street, House, [Iquaeprovit, voluptatur, Giam
exe, essinust, quisqui, coresclis, quiditae, nis aut
vendusa, pidenihit eost, sum nonesciae porum si
dolorest](#)

Street → House

What is its category?

Save > **Save + Continue >** **Cancel >**

Walk Through

1 → 2 → 3

Proof the file specifications for us.

This is the Region:

This is the File Thumbnail:

Revise Replace with new thumbnail

Update the attributes to reflect their true nature.

Attribute 1	Attribute 1	▼
Attribute 2	Attribute 2	▼
Attribute 3	Attribute 3	▼
Attribute 4	Attribute 4	▼
Attribute 5	Attribute 5	▼

This file's date range is not related to its upload date.

Go Back > **Save >** **Save + Continue >** **Cancel >**

Walk Through

1 → 2 → 3

Define ownership and licensing for us.

The file owner is:

Profiles

Upload logo or image
 Save to Personal Profile

Who should people contact if they have questions?

Profiles

Save to Personal Profile

What type of License would you like to use?

Permissions

Save to Personal Profile

Go Back > **Save >** **Save + Continue >** **Cancel >**

RECOMMENDATIONS:

1. Use natural language to aid understanding and a sense of community. Real people are behind this form.
2. Cluster similar items. Put the fill forms upfront, and the radial button and multiple choice items later on.

ISO 19115

2003, pg 15-16, <http://sedac.ciesin.columbia.edu/data/set/energy-pop-exposure-nuclear-plants-country>

Listed below (see Table 3) are the core metadata elements (mandatory and recommended optional) required for describing a dataset. An “M” indicates that the element is mandatory. An “O” indicates that the element is optional. A “C” indicates that the element is mandatory under certain conditions.

TABLE 3 — CORE METADATA FOR GEOGRAPHIC DATASETS

Dataset title (M)

(MD_Metadata > MD_Datalidentification.citation > CI_Citation.title)

Spatial representation type (O)

(MD_Metadata > MD_Datalidentification.spatialRepresentationType)

Dataset reference date (M)

(MD_Metadata > MD_Datalidentification.citation > CI_Citation.date)

Reference system (O)

(MD_Metadata > MD_ReferenceSystem)

Dataset responsible party (O)

(MD_Metadata > MD_Datalidentification.pointOfContact > CI_ResponsibleParty)

Lineage (O)

(MD_Metadata > DQ_DataQuality.lineage > LI_Lineage)

Geographic location of the dataset (by four coordinates or by geographic identifier) (C)

(MD_Metadata > MD_Datalidentification.extent > EX_Extent
> EX_GeographicExtent > EX_GeographicBoundingBox or EX_GeographicDescription)

On-line resource (O)

(MD_Metadata > MD_Distribution > MD_DigitalTransferOption.onLine > CI_OnlineResource)

Dataset language (M)

(MD_Metadata > MD_Datalidentification.language)

Metadata file identifier (O)

(MD_Metadata.fileIdentifier)

Dataset character set (C)

(MD_Metadata > MD_Datalidentification.characterSet)

Metadata standard name (O)

(MD_Metadata.metadataStandardName)

Dataset topic category (M)

(MD_Metadata > MD_Datalidentification.topicCategory)

Metadata standard version (O)

(MD_Metadata.metadataStandardVersion)

Spatial resolution of the dataset (O)

(MD_Metadata > MD_Datalidentification.spatialResolution > MD_Resolution.equivalentScale or MD_Resolution.distance)

Metadata language (C)

(MD_Metadata.language)

Abstract describing the dataset (M)

(MD_Metadata > MD_Datalidentification.abstract)

Metadata character set (C)

(MD_Metadata.characterSet)

Distribution format (O)

(MD_Metadata > MD_Distribution > MD_Format.name and MD_Format.version)

Metadata point of contact (M)

(MD_Metadata.contact > CI_ResponsibleParty)

Additional extent information for the dataset (vertical and temporal) (O)

(MD_Metadata > MD_Datalidentification.extent > EX_Extent
> EX_TemporalExtent or EX_VerticalExtent)

Metadata date stamp (M)

(MD_Metadata.dateStamp)

And another San Andres Map

And another San Andres Map

Resource Quality Distribution Representation Content Fields Reference Metadata

Data Quality

Scope Lineage Report

Level Extent

Scope Extent

Geographic Temporal Vertical Description

Geographic Extent

Choose One: Bounding Box Geographic Description

Extent contains the resource?

West Bounding Longitude
-180 (decimal degrees)

East Bounding Longitude
180 (decimal degrees)

South Bounding Latitude
-90 (decimal degrees)

North Bounding Latitude
90 (decimal degrees)

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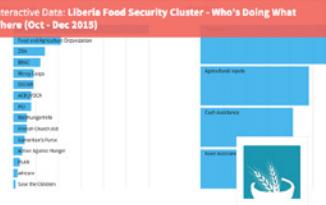
ArcGIS Metadata Forms

OBSERVATIONS

- 1 Metadata is treated as a modal.
- 2 Save, Validate buttons in an inconspicuous and unusual location; and do not include color indicator. This requires the user to look for and potentially miss an opportunity to save their work.
- 3 On/Off toggle switch allows users to expand sections.
- 4 Extensive nesting (Russian Doll) of boxes beneath tabs neatly contain contents; however, they also hide contents, making it difficult to find what a user might be looking for.
- 5 There is no visual difference between different contents.

All Organisations

Featured Organisations

- Interactive Data: Food Market Prices** |  | **WFP - World Food Programme** | **19 Datasets** - 27 Members - 101 Followers | Last update on February 8, 2016 | WFP is the world's largest humanitarian agency fighting hunger worldwide, delivering food... [MORE](#)
- Interactive Data: Liberia Food Security Cluster - Who's Doing What Where (Oct - Dec 2015)** |  | **Food Security Cluster** | **2 Datasets** - 1 Members - 18 Followers | Last update on January 25, 2016 | The Food Security Cluster is about enhancing cooperation and partnerships. The FSC works... [MORE](#)
- Interactive Data: 4W: Emergency Envelope Interventions** |  | **La Niña Consortium** | **2 Datasets** - 5 Members - 11 Followers | Last update on January 21, 2016 | La Niña consortium is a consortium of 5 INGOs namely OXFAM, ACTED, VSF Germany, Concern... [MORE](#)

1

WFP - World Food Programme
Updated November 24, 2015 | Dataset date: May 14, 2015

Coping Strategy Index (CSI)
WFP - World Food Programme
Updated November 24, 2015 | Dataset date: May 14, 2015

Food Consumption Score (FCS)
WFP - World Food Programme
Updated November 24, 2015 | Dataset date: May 13, 2015

InterAction member activities in Armenia
InterAction
Updated November 24, 2015

Number of disasters in ReliefWeb
ReliefWeb - November 24, 2015
[PREVIEW](#)

Airports in Armenia
OurAirports
Updated November 24, 2015

Antenatal care coverage - at least four visits in the five years preceding t...
World Health Organization - November 24, 2015
[PREVIEW](#)

Antenatal care coverage - at least four visits in the three years preceding t...
World Health Organization - November 24, 2015

2

listed include labor, agriculture, asset sales, and remittances, among others. It is available for 32 countries.
[CSV](#) |  |  | 40+ Downloads

The Coping Strategy Index dataset measures the severity and frequency of the strategies that households use to cope with acute food insecurity. The strategies vary from borrowing food or money from neighbors to selling household assets. This data is available for 31 countries at a sub-national level.
[CSV](#) |  |  | 50+ Downloads

The Food Consumption Score (FCS) dataset is based on the FCS indicator, which assigns a food security score based on food consumption and diets. This data is available sub-nationally for 38 countries, such as Nepal and Sierra Leone.
[CSV](#) |  |  | 60+ Downloads

List of aid activities by InterAction members in Armenia. Source: http://ngoadmap.org/location/gn_174982
[CSV](#) | [JSON](#)

[Source: ReliefWeb] Number of disasters per country
[XLSX](#) | [CSV](#) | [TXT](#) |  |  | 20+ Downloads

List of airports in Armenia, with latitude and longitude. Unverified community data from <http://ourairports.com/countries/AM/>
[CSV](#) |  |  | 60+ Downloads

[Source: World Health Organization] The percentage of women aged 15-49 with a live birth in a given time period that received antenatal care provided by skilled health personnel (doctors, nurses, or midwives) at least four (4) times during pregnancy..
[XLSX](#) | [CSV](#) | [TXT](#)

[Source: World Health Organization] The percentage of women aged 15-49 with a live birth in a given time period that received antenatal care provided by skilled health personnel (doctors, nurses, or midwives) at least four (4) times during pregnancy..
[XLSX](#) | [CSV](#) | [TXT](#)

HDX Metadata Visualization

This is a file management software that allows users to visually manage their content.

Each file is indicated by location in folder, thumbnail, shortform meta data and access to more meta data.

GeoNode Strategy Hypotheses and Wireframes

Notes from April 4-7, Puerto Colombia, Colombia

The users



Website and Data Managers
who upload data, creates data styles and maps, enter metadata.



Power User / GIS Analyst
who are looking for data to download.



Lay Users
who wants to have simple, clear, fast visualizations of layers and maps pre-created.

Defining Needs:

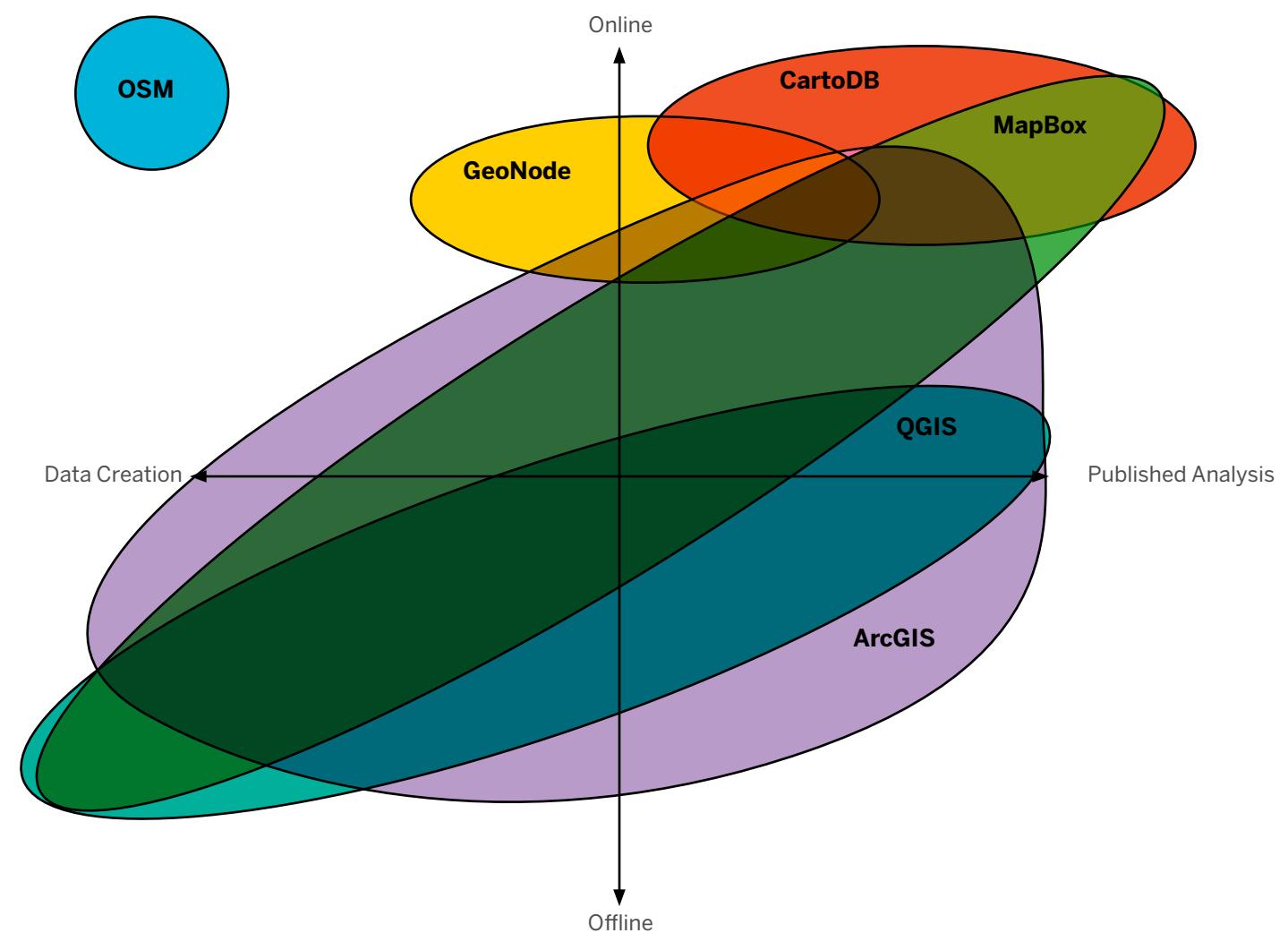
- 1. Simplicity**
- 2. Usefulness**
- 3. Adaptability**

Defining Needs:

	1. Simplicity	2. Usefulness	3. Adaptability
	WEBSITE AND DATA MANAGERS NEED: <ul style="list-style-type: none">A. Simplify setupB. Automate communicationC. Enable bulk upload and editing	<ul style="list-style-type: none">D. Make it useful to manage the data online:<ul style="list-style-type: none">* to know the data in the system* to know the health of the data/geonode* to improve the available data	<ul style="list-style-type: none">E. Allow the system to grow and shrink as new needs and use patterns become apparent
	POWER USER / GIS ANALYST NEED: <ul style="list-style-type: none">A. Simplify knowing the content: available content; usefulness of content; relationship of contentB. Make it ready to do workC. Make it easy to connect other programs		<ul style="list-style-type: none">D. Make it work regardless of industry or concern
	LAY USERS NEED: <ul style="list-style-type: none">A. Simplify knowing what answers are possible: simple, templated, and visual interfaceB. Provide confidence that the answers are readily availableC. Make content immediately useful and understandable		<ul style="list-style-type: none">D. Make it adapt to my needs and concerns

Competitor Analysis

Mapping Platforms

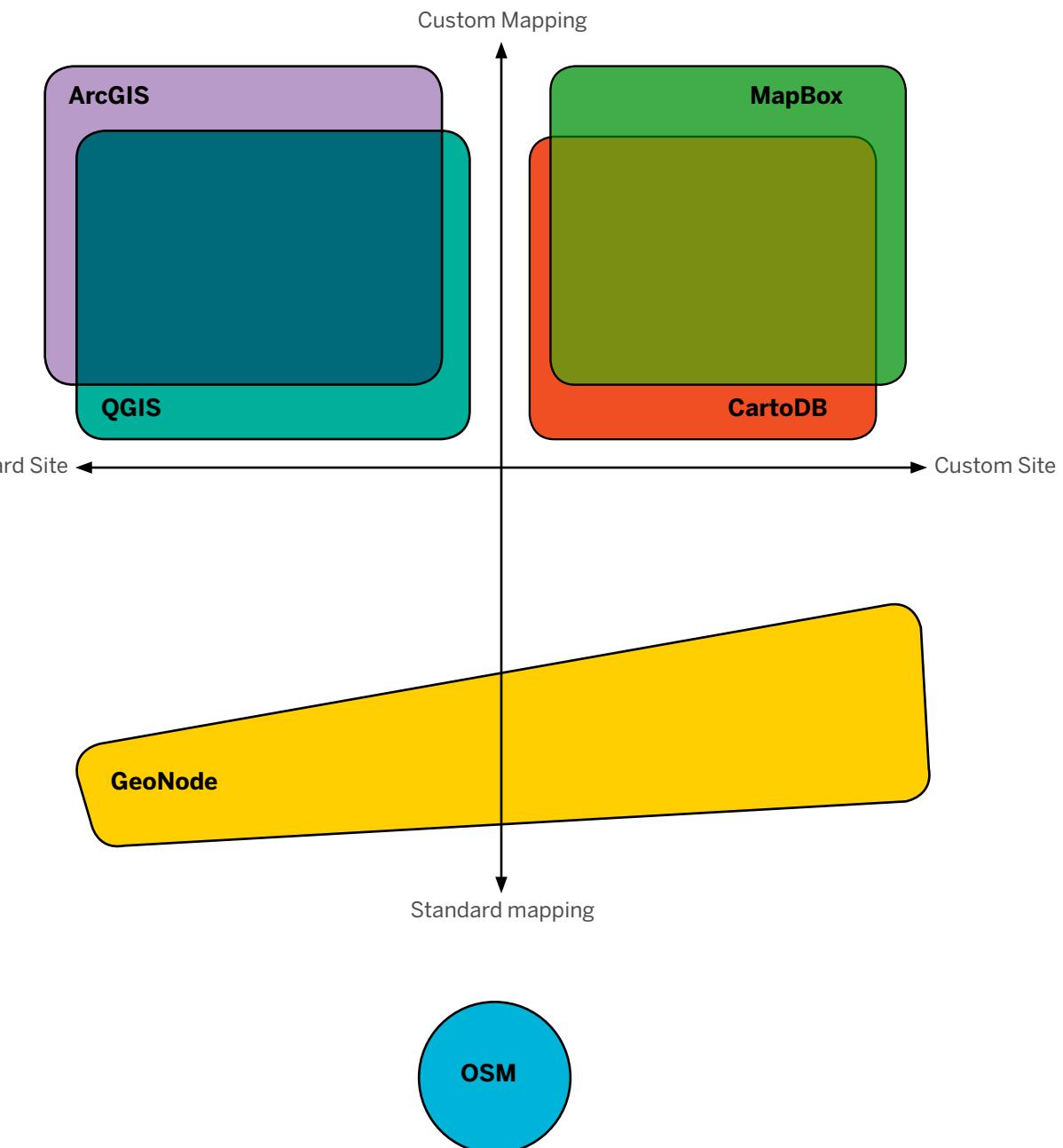


ANALYSIS

GeoNode is unique from its competitors.
Keep GeoNode's focus on it's centric positioning.
Allow other programs to connect and support
GeoNode. Don't try to become them.

Competitor Analysis

Customization

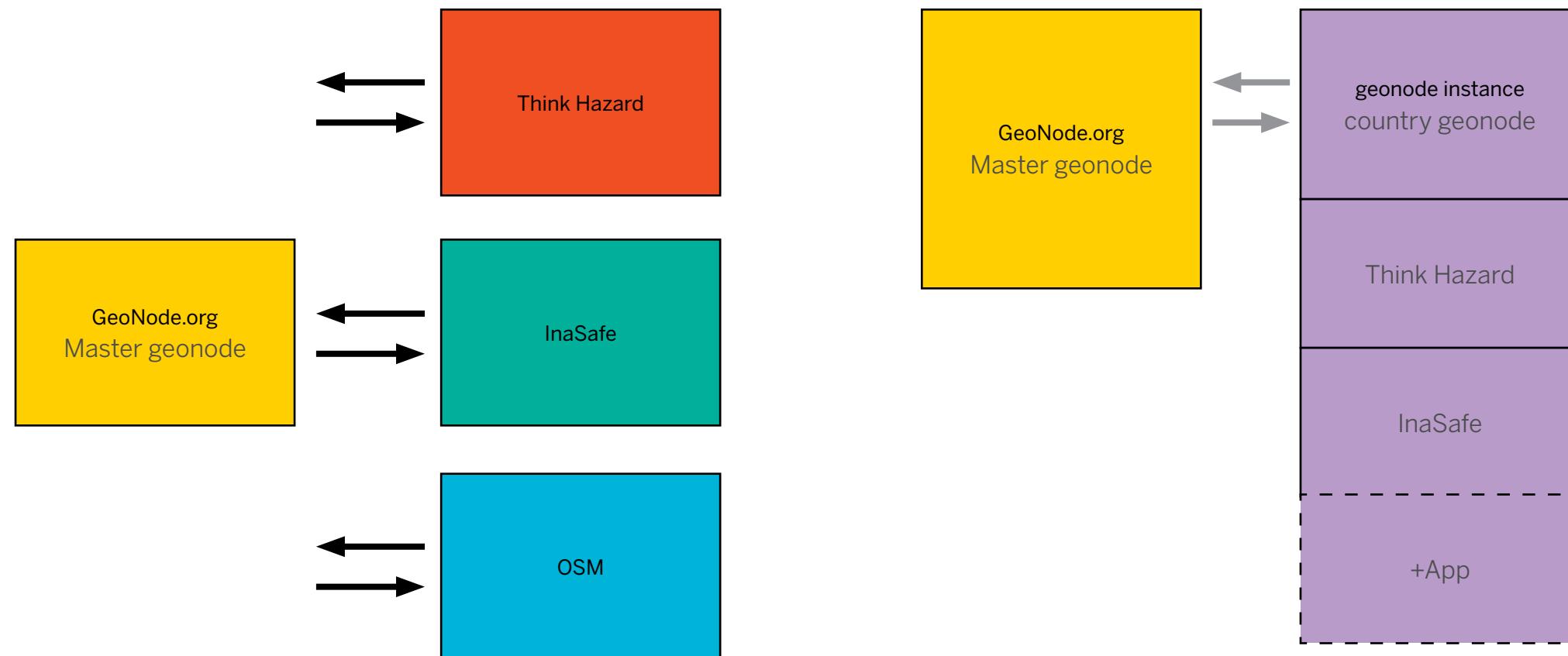


ANALYSIS

GeoNode expects a learning curve. By offering standard website capabilities and users the flexibility to make changes GeoNode enables geonodes to grow into their own platform.

Hypothesis

GeoNode + geonode Roles



World Bank

GeoNode, Think Hazard, InaSafe, OSM etc are treated as stand alone applications with very clear objectives and uses and relationships with each other.

GeoNode acts as a data clearinghouse, a library.

Geonode instances

Each geonode instance is a stand alone application, acting independently of other geonodes. It has the opt-out option to connect with the master GeoNode database of documents and maps. On setup, geonodes come with standard analysis apps (ex. Think Hazard, InaSafe).

Hypotheses

1. GeoNode's primary purpose is to make data relevant and meaningful, when it is needed.

Therefore, GeoNode is a future forecasting library at the intersection of geo-spatial information, infrastructure, natural events.

2. GeoNode is primarily used by individuals with little experience building websites or developing software.

Therefore the software must do most of their work for them.

3. GeoNode users don't know what they have.

- * The software should provide simple views into their data.
- * The software should be adaptable to changes in need.

4. GeoNode lacks the ability to easily evaluate and improve the data and system.

Thus GeoNode needs tools for visualizing and knowing data; for editing and trouble shooting problems.

Hypotheses

Hypothesis	Currently	Needs	Meaning
<p>1. GeoNode's primary purpose is to make data relevant and meaningful when it's needed. Therefore, GeoNode is a future forecasting library at the intersection of geo-spatial information, infrastructure, natural events.</p>	<p>GeoNodes easily store information, creating a catalog of files. However, lacking good basic metadata these files are opaque to users. Finding a useful file results in file autopsies to define their purpose and usefulness.</p>	<ul style="list-style-type: none"> * To know file purpose when no metadata exists. * To preview data without leaving the GeoNode. * To develop metadata with minimal user input. (ex. Software reads file data to suggest metadata such as location, URL source and similar files elsewhere in the system.) 	<ul style="list-style-type: none"> * GeoNode isn't a single layer file, or the person uploading documents. * GeoNode holds a catalog of information waiting to be activated. * GeoNode is timely. * GeoNode is a safe—housing critical information digitally, making it ready for events.
<p>2. GeoNode is primarily used by individuals with little experience building websites or developing software. Therefore the software must do most of their work for them.</p>	<ul style="list-style-type: none"> * Geonodes have minimal changes to their basic setup. The majority of geonodes in the wild will not stray from the basic template and setup provided by GeoNode. * Geonodes do not appear to be active. * Geonodes look exactly the same. 	<ul style="list-style-type: none"> * Simple templates that take the guesswork out of setup. * Users need one location that simplifies the process of using the data for mapping and analysis. 	<ul style="list-style-type: none"> * GeoNode must provide templates. * GeoNode must have a support period (likely related to the World Bank server).
<p>3. GeoNode users don't know what they have. The software should provide simple views into their data. The software should be adaptable to changes in need.</p>	<p>GeoNode does not help users understand the potential relationship between one document and a second.</p> <ul style="list-style-type: none"> * InaSafe, QGIS, Think Hazard support specific user needs. * GeoNode users don't know what to do with their data once it's uploaded. * GeoNode users are not creating useful maps with their data. * Users need to export CSVs to understand what an unnamed/non-metadata'd file is. 	<ul style="list-style-type: none"> * Simple mapping and analysis. * A lean, build as you need it platform for GIS development and analysis. * Enable in app views. * Instant engagement with the data that matters. 	<ul style="list-style-type: none"> * GeoNode should provide a contained system, with adjacent analysis tools (Think Hazard, InaSafe) featured, lean, opt-out widgets in the software. * The World Bank provides the full version of these Apps as a stand alone service; while countries use lean versions until greater need is identified. * GeoNode should provide a contained system, with adjacent analysis tools (Think Hazard, InaSafe) featured, lean, opt-out widgets in the software. * The World Bank provides the full version of these Apps as a stand alone service; while countries use lean versions until greater need is identified.

Hypotheses

Hypothesis	Currently	Main Task Needs:	Potential tools
<p>4. GeoNode lacks the ability to easily evaluate and improve the data and system. Thus GeoNode needs tools for visualizing and knowing data; for editing and trouble shooting problems.</p>		<p>Main Task Needs:</p> <p>Setup</p> <ul style="list-style-type: none"> * Help identifying needed components. * Help identifying what tools are available. * Visual examples of what the data can tell them when used. * Central place to know what is going on with their data. * Tools to set permissions, and security <p>Know the health of the system</p> <ul style="list-style-type: none"> * Reporting * Add additional tools * Content types * Number of users and frequency of posting * Value of the posted data * A list or index of layers * Tools for gap analysis 	<ul style="list-style-type: none"> * Nineteen to quickly visualize the type of content available * System check that provides visualizations of specific features and functions; with recommendations based on a set of requirements.

Recommendations:

1. Focus GeoNode on:

- * simple, templated mapping;
- * visual, compounded search;
- * simple setup
- * engaging users from the start

in place during trial and setup period, opt in after. Once a month compilation email.

2. Changes to GeoNode:

- * Remove map editing capabilities
- * Push new geonodes to use the World Bank server to get started.
- * Create automatic blog posts and user emails through user and site statistics. Have

- * The gallery is for maps not layers.
- * Cluster functions within the Login/Account modal
- * The navigation needs to focus on engaging with the content.

Current Navigation:

Layers	Maps	Documents	People	Groups	Search	Sign-in
--------	------	-----------	--------	--------	--------	---------

Proposed:

Search	Resources	Published Maps + Analysis	About	Sign-in		
	Catalog/Index	Map Gallery	People/Groups			
	Make Map	Analyzed reports	About			
	InaSafe		Blog			

Catalog Search

User: general, logged-in site user

Priority: Make the search more visual and impactful.

- * Make content knowable
- * Make content usable
- * Help users find layers that work together

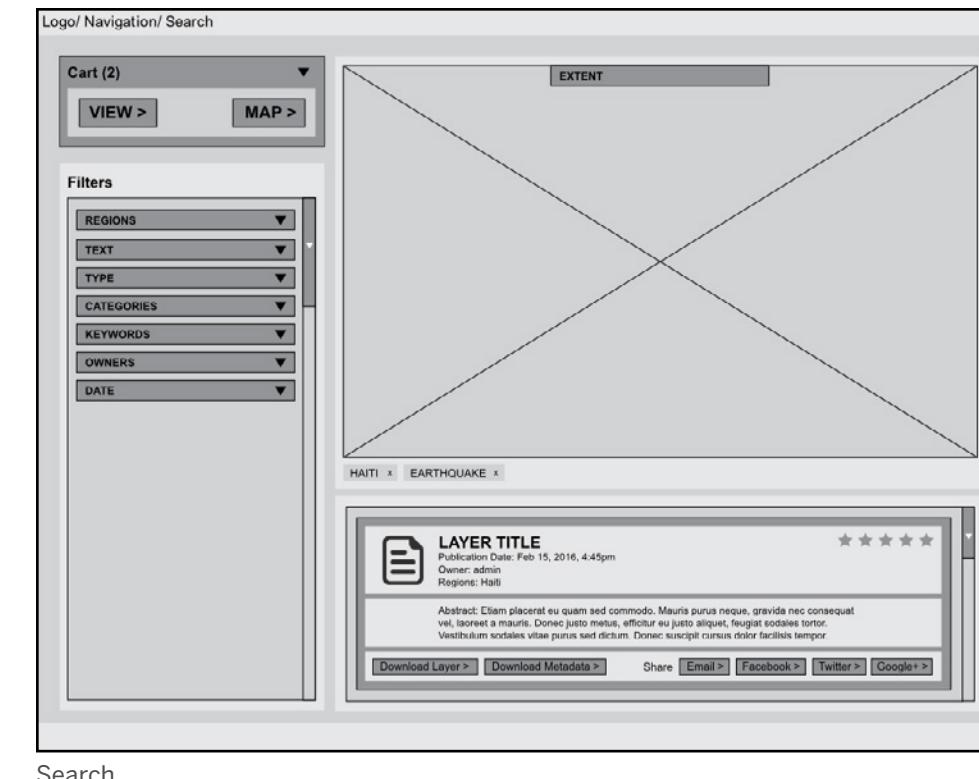
RECOMMENDATIONS

Extant:

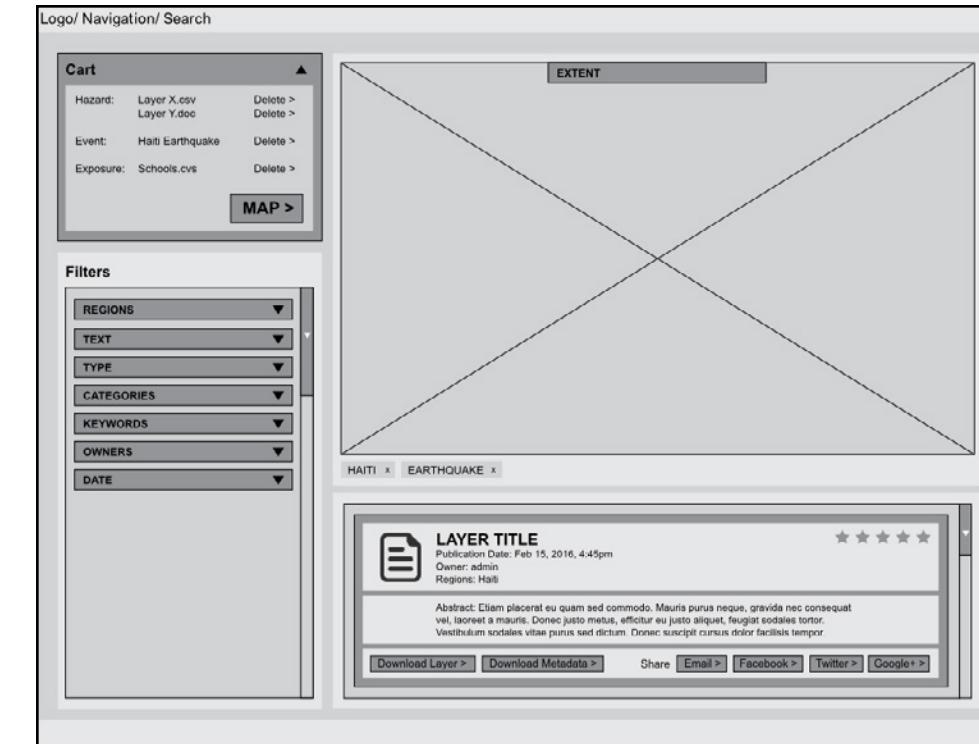
- * Move Extant to large column.
- * Change Extant to file preview over-set on a global map.
- * Enable background change (b/w, color)

Files

- * Remove thumbnail image, replace it with an icon
- * Minimize the space the file name and contents are taking up.



Search

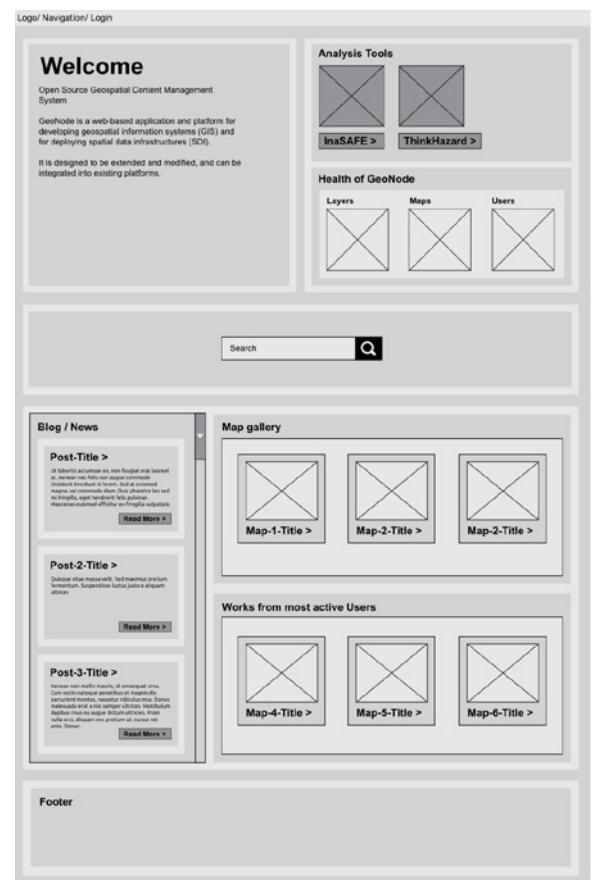


Expanded Cart View

Starter Home Page Templates

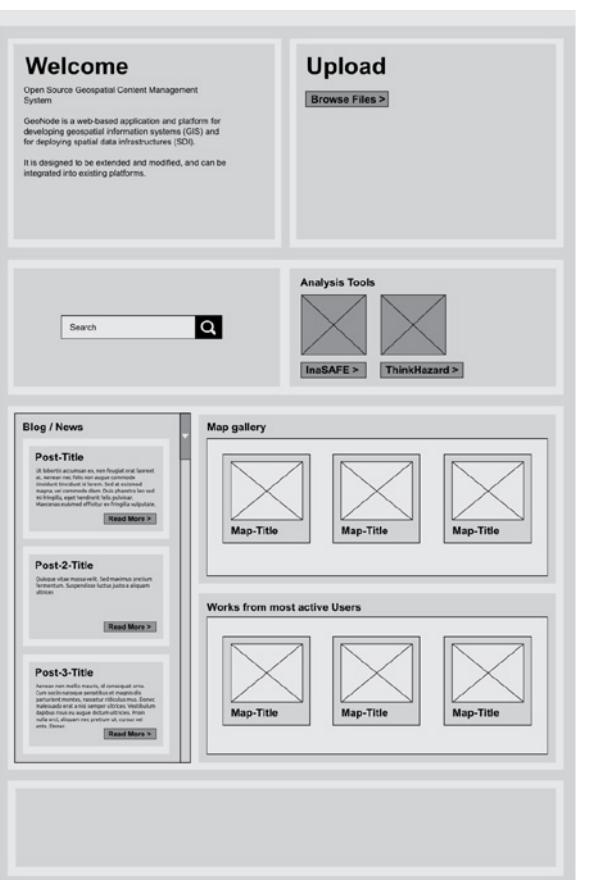
RECOMMENDATIONS

- * Make the geonode's health and activity apparent to the viewer.
- * Make it easy to understand what the geonode is about, and the opportunities inherent in the data.
- * Prioritize engagement



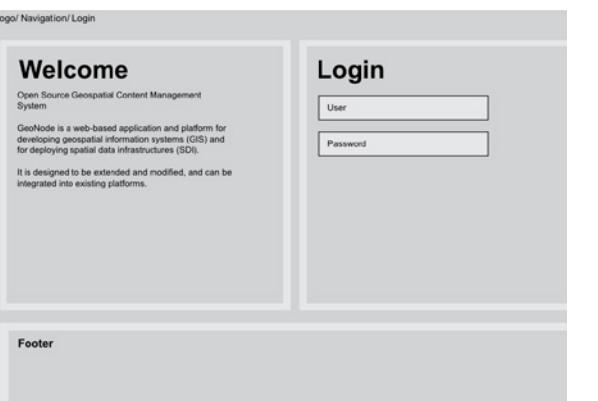
TEMPLATE 1: BLOG STYLE/ GEONODE SPECIFIC

* Equivalent to a Wikipedia



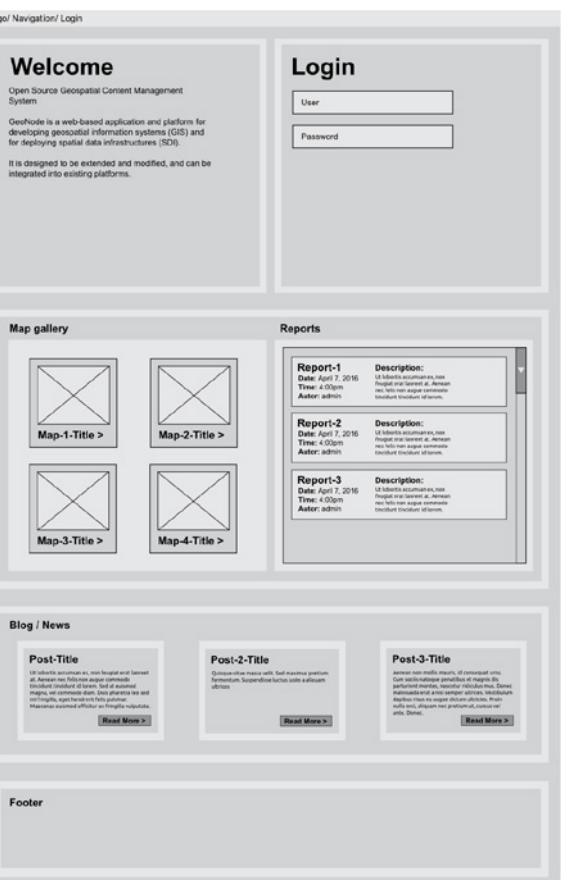
TEMPLATE 2: BASIC TEMPLATE (EXPERT)

* Equivalent to a Wikipedia



TEMPLATE 3: BASIC SECURE HOME PAGE

* Equivalent to Facebook



TEMPLATE 4: PUBLIC SECURE HOME PAGE

* Equivalent to HBO

Template 1:

Blog Style/GeoNode Specific

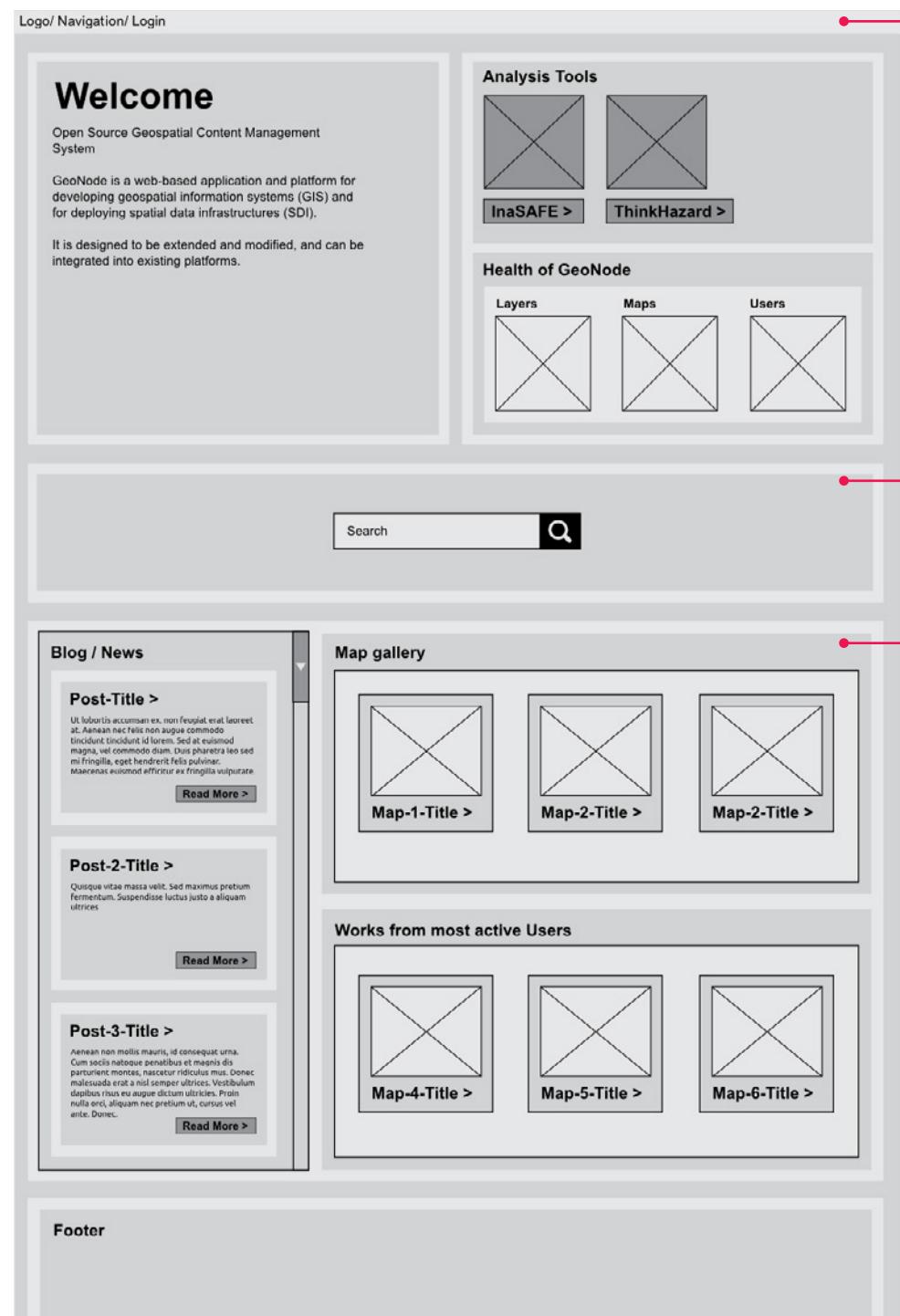
- * Equivalent to Wikipedia

Login = Admin/user

- * Upload
- * Save maps/analysis
- * Publish maps/analysis

View Only = Public

- * Search
- * Map
- * Download
- * Read



At-a-glance

Quickly know:

- * The geonode
- * Recent analyses
- * Site specific hazards
- * Health of the geonode

Search + Upload

- * Actively engage with geonode's content

History + News

Quickly know the geonode's activity over time:

- * Maps
- * Active users
- * Individual users
- * Important news

Template 2:

Basic Template (Expert)

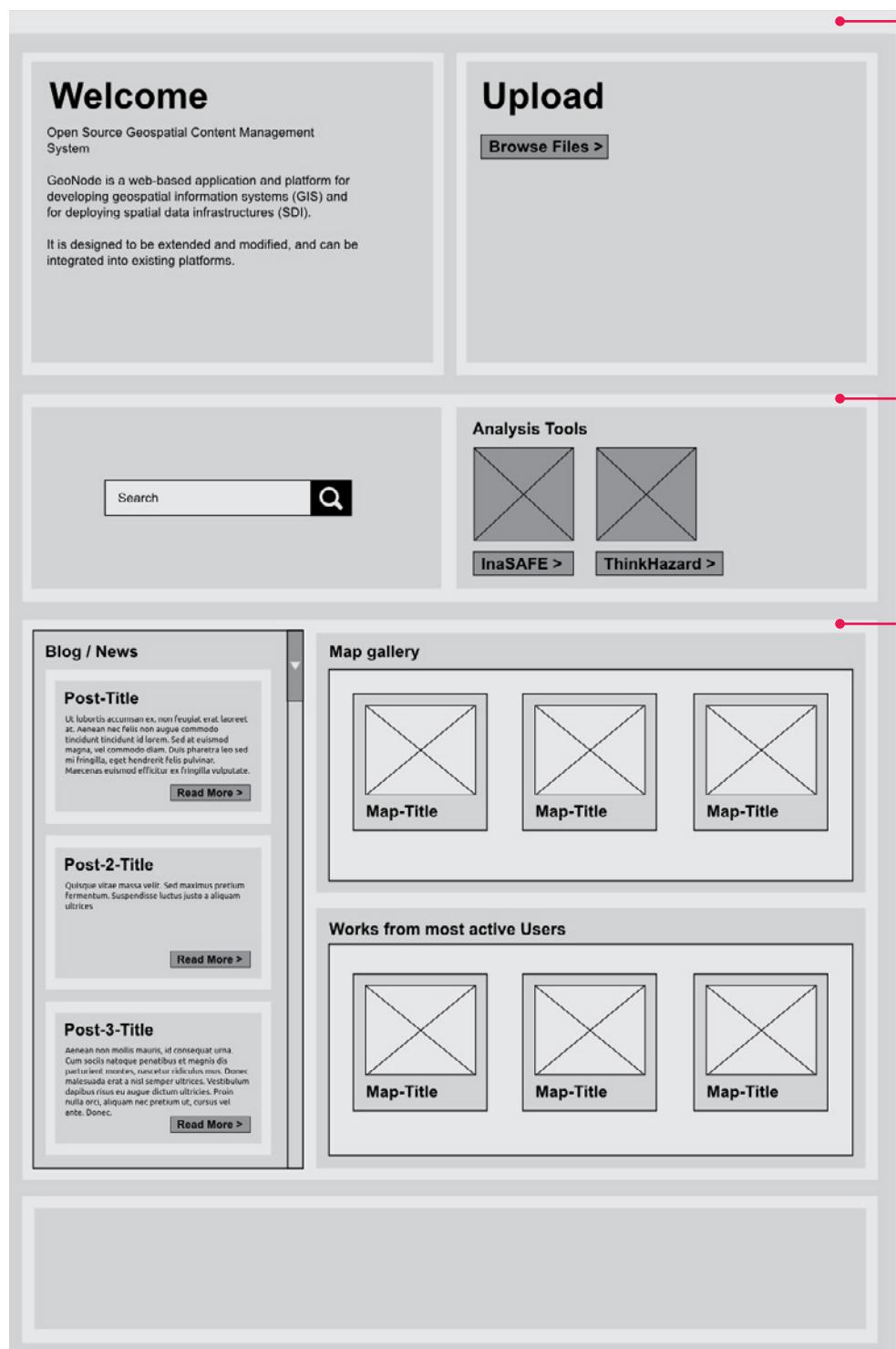
- * Equivalent to a Wikipedia

Login = Admin/user

- * Upload
- * Save maps/analysis
- * Publish maps/analysis

View Only = Public

- * Search
- * Map
- * Download
- * Read

**At-a-glance**

Quickly know:

- * The geonode

Search + Engage

Actively engage with geonode's content

- * Recent analyses
- * Site specific hazards

History + News

Quickly know the geonode's activity over time:

- * Maps
- * Active users
- * Individual users
- * Important news

Template 3:

Basic Secure Home Page

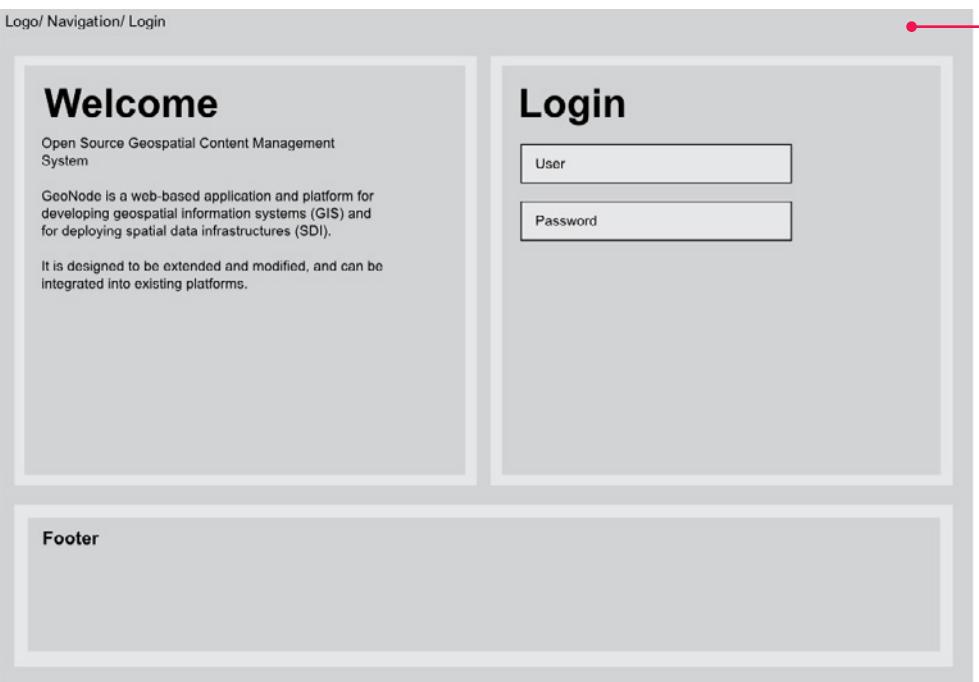
- * Equivalent to Facebook
- * Private

Login = Admin/user

- * Upload
- * Save maps/analysis
- * Publish maps/analysis

View Only = Public

- * Know a website exists



At-a-glance

Quickly know:

- * The geonode
- * Access for members only

Template 4:

Public Secure Home Page

- * Equivalent to HBO

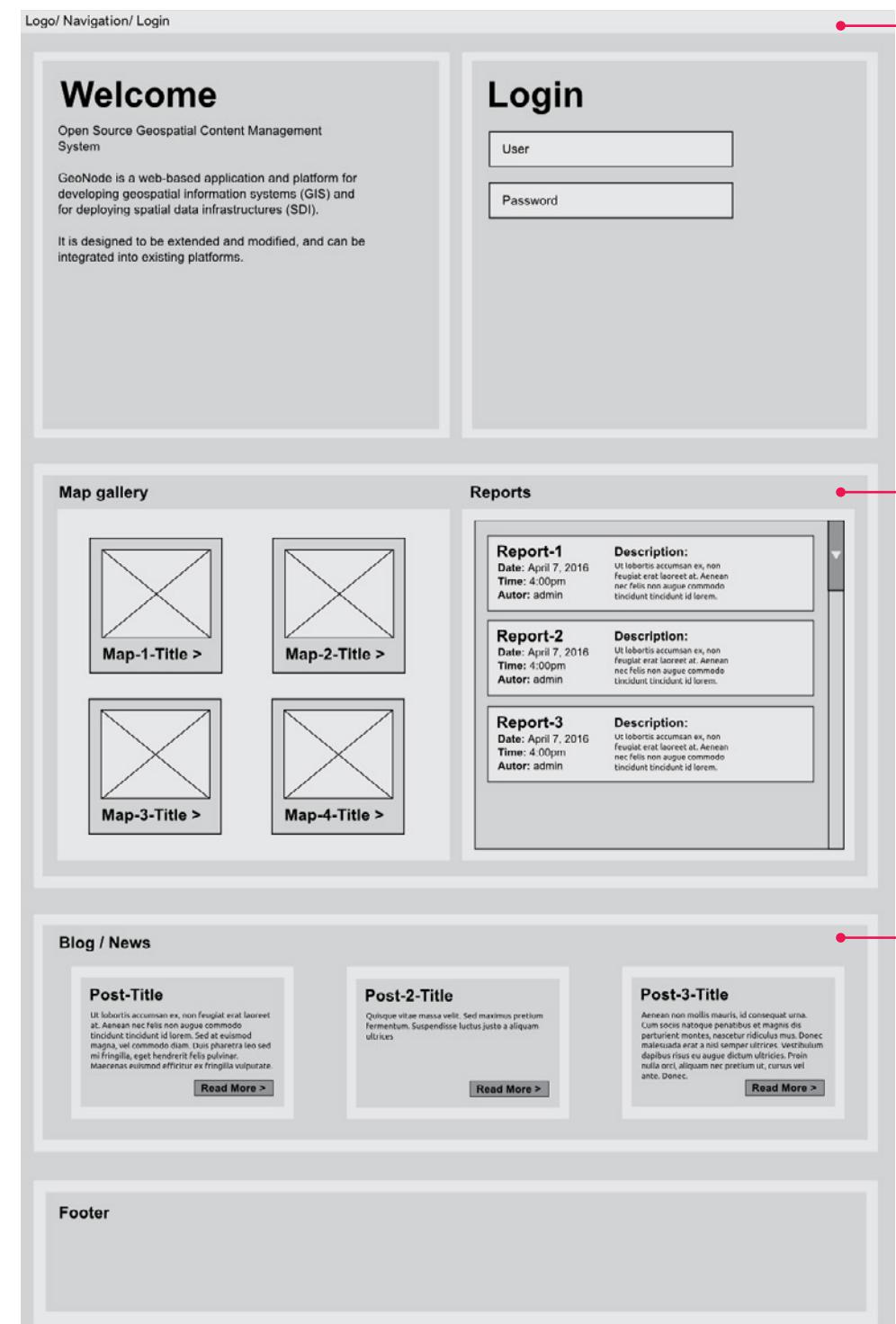
- * Private/Public

Login = Admin/user

- * Upload
- * Save maps/analysis
- * Publish maps/analysis

View Only = Public

- * Published news
- * Published maps/analysis



At-a-glance

Quickly know:

- * The geonode

Engage

Engage with geonode's content

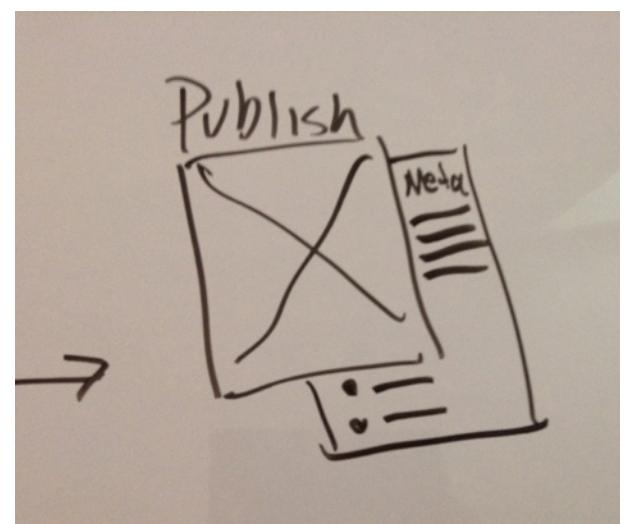
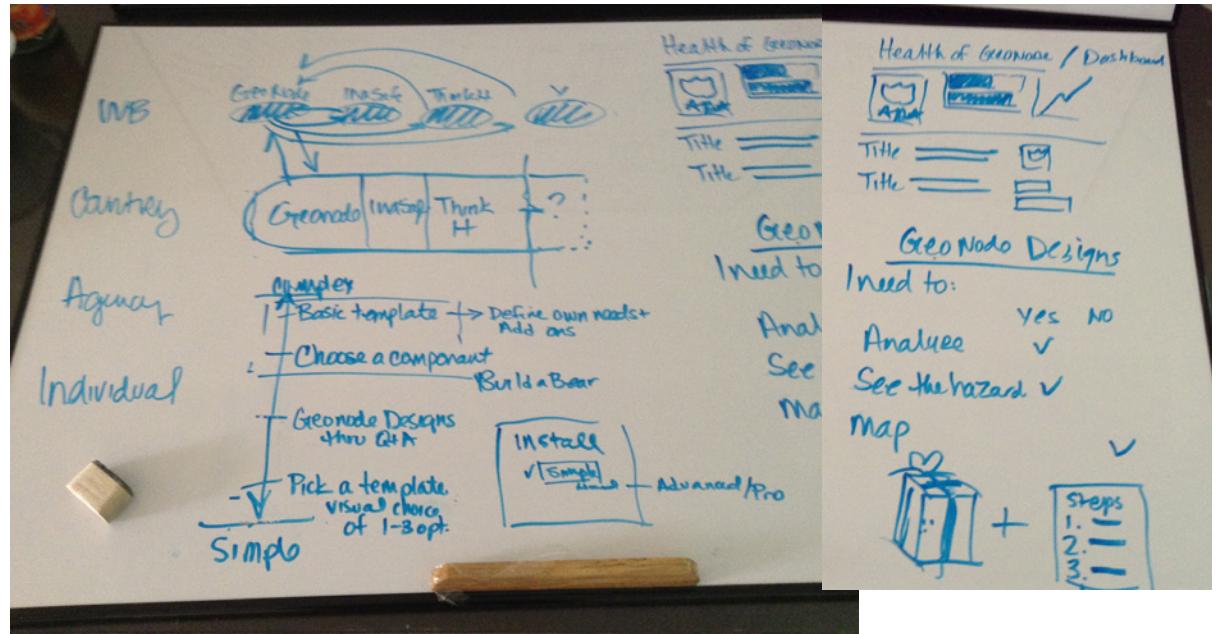
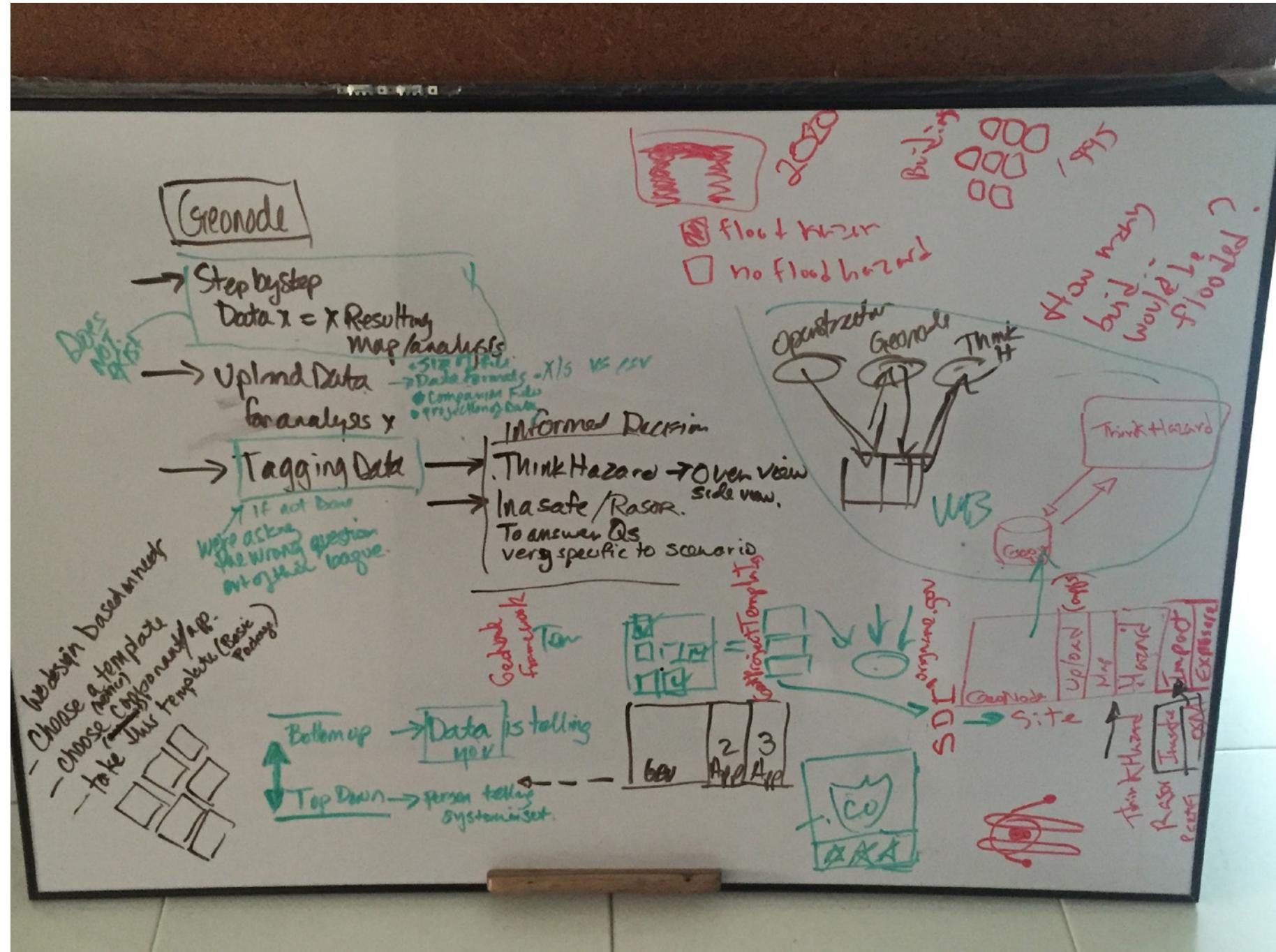
- * Recent analyses
- * Site specific hazards
- * Health of the geonode

News

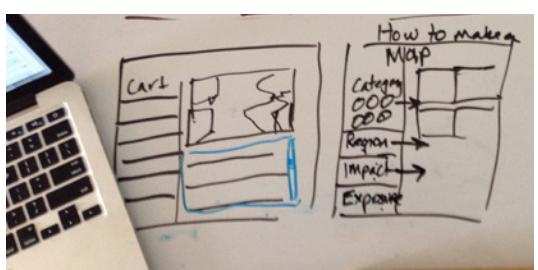
Quickly know the geonode's activity over time:

- * Important news

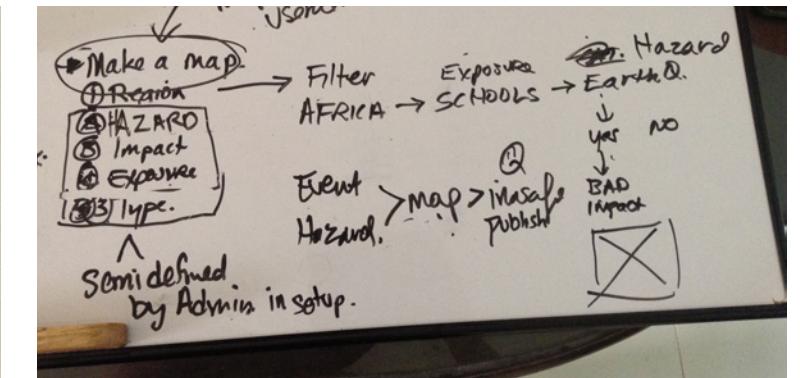
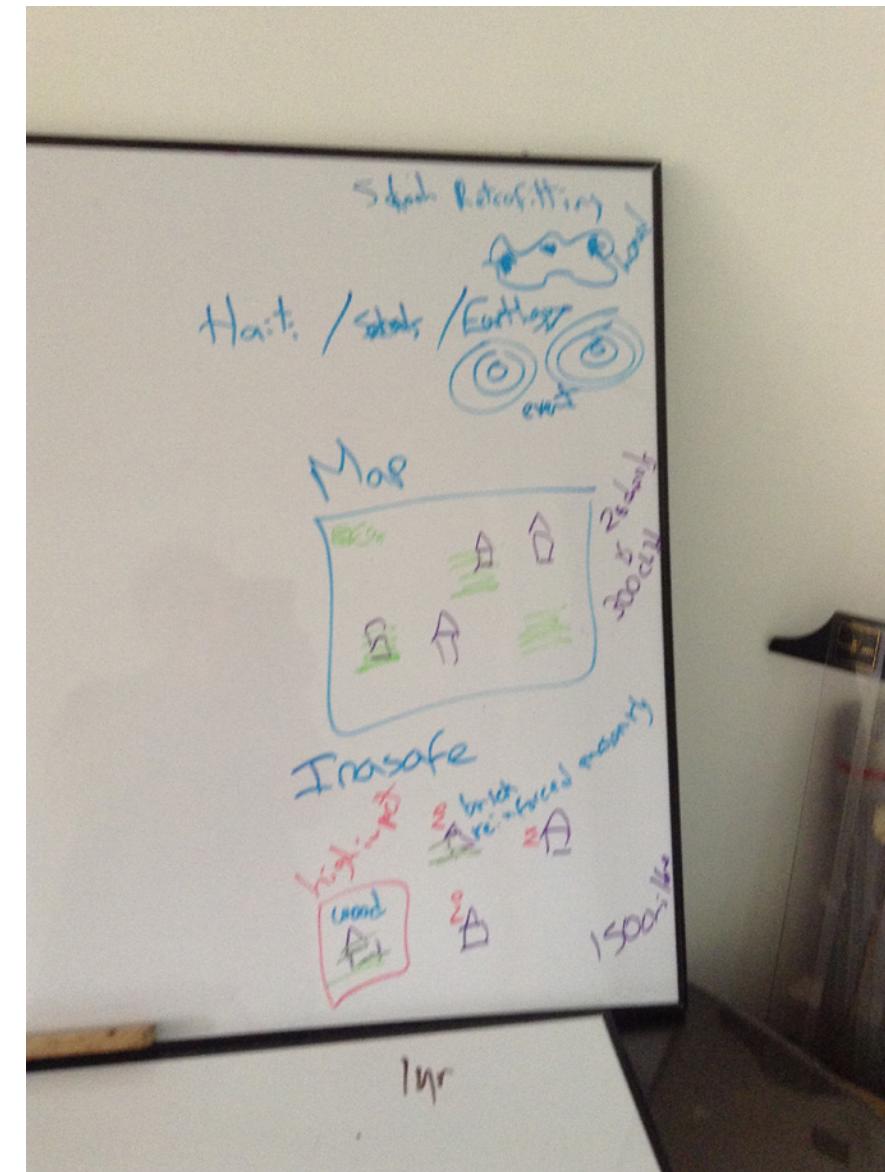
Notes



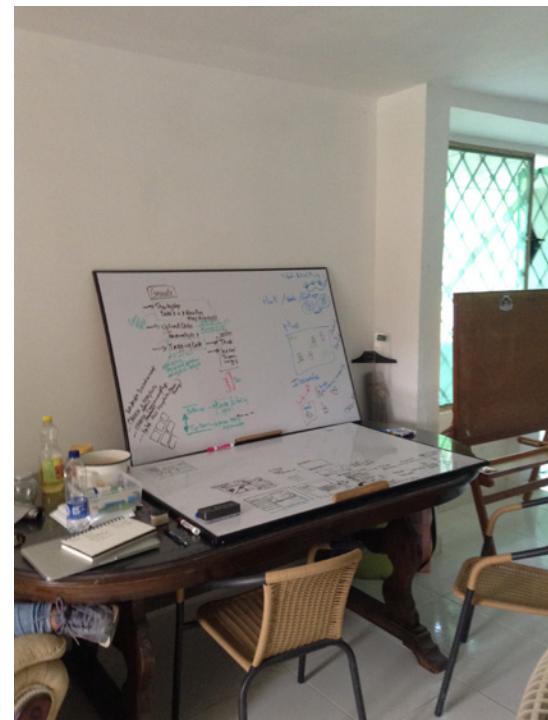
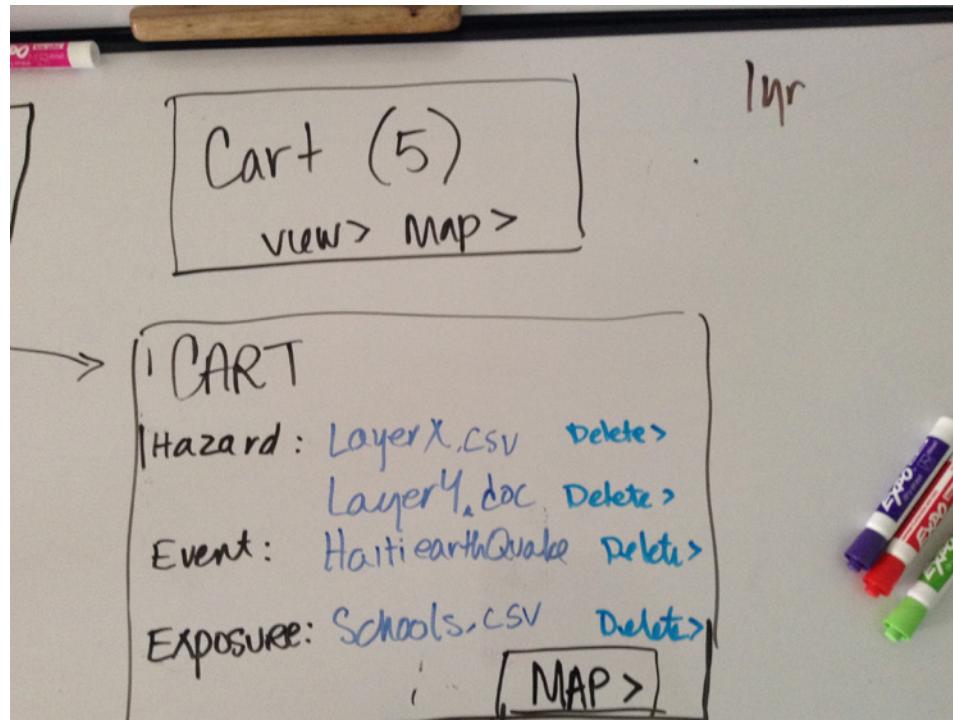
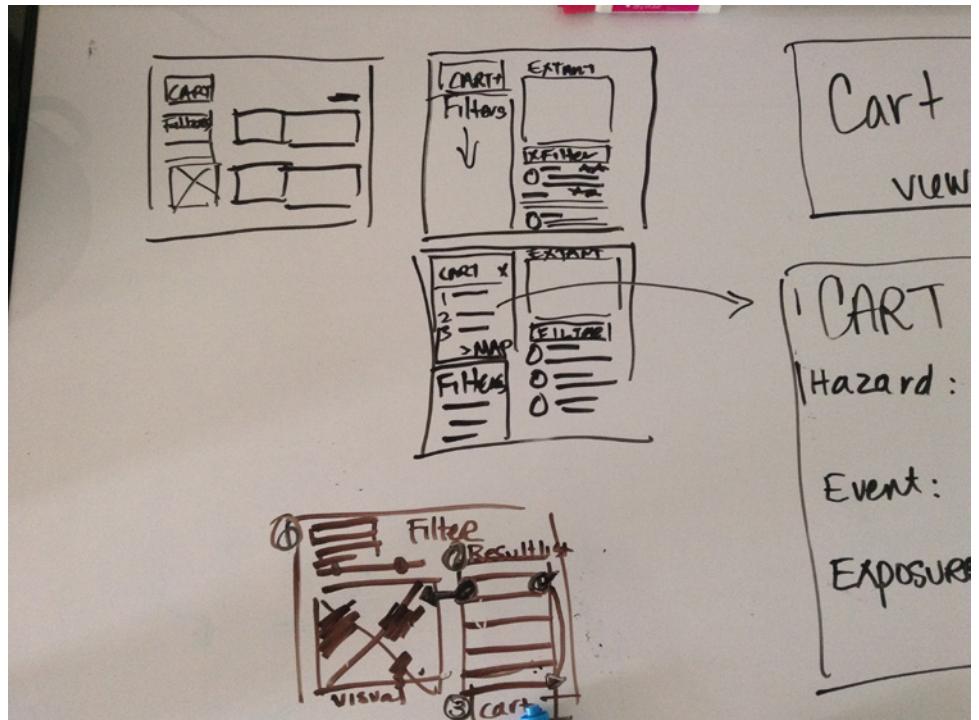
New File Upload Journey



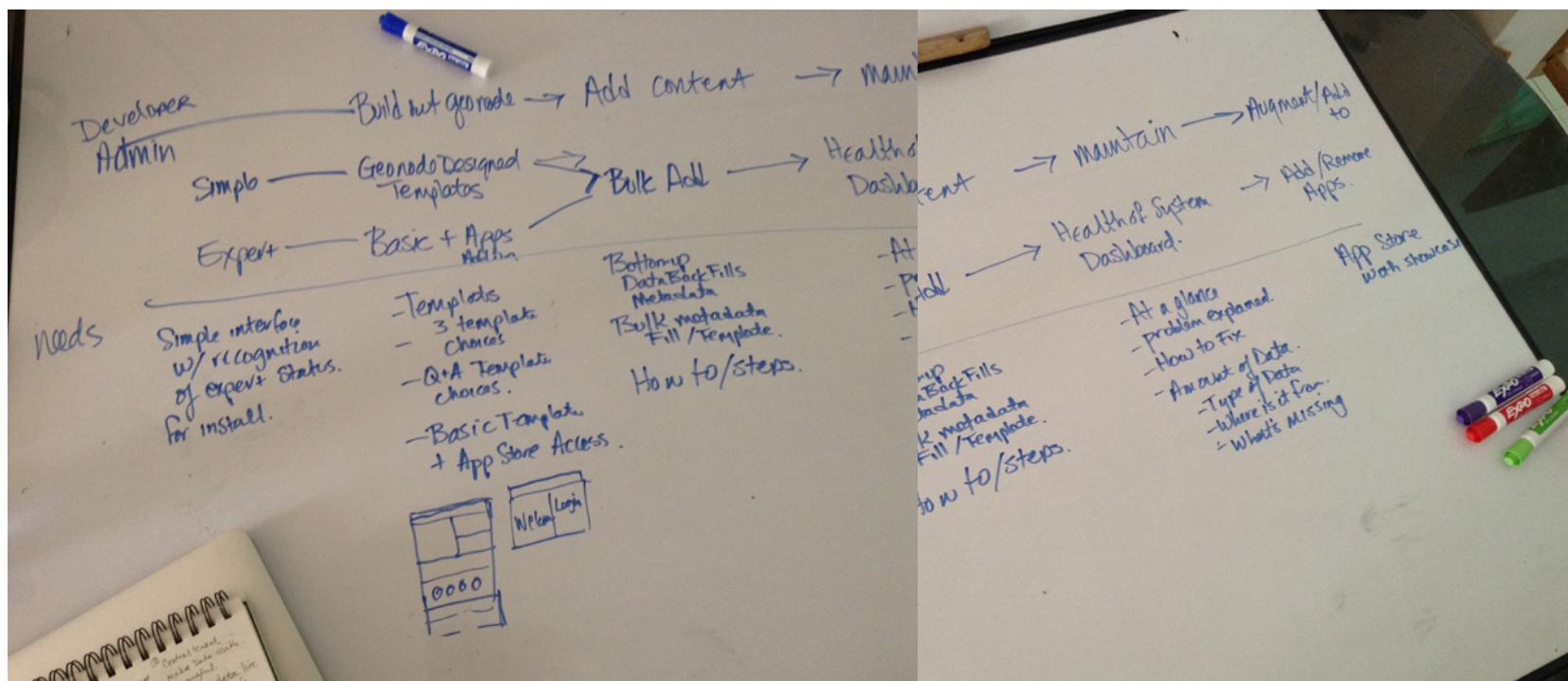
Actual Journey (per Ariel)



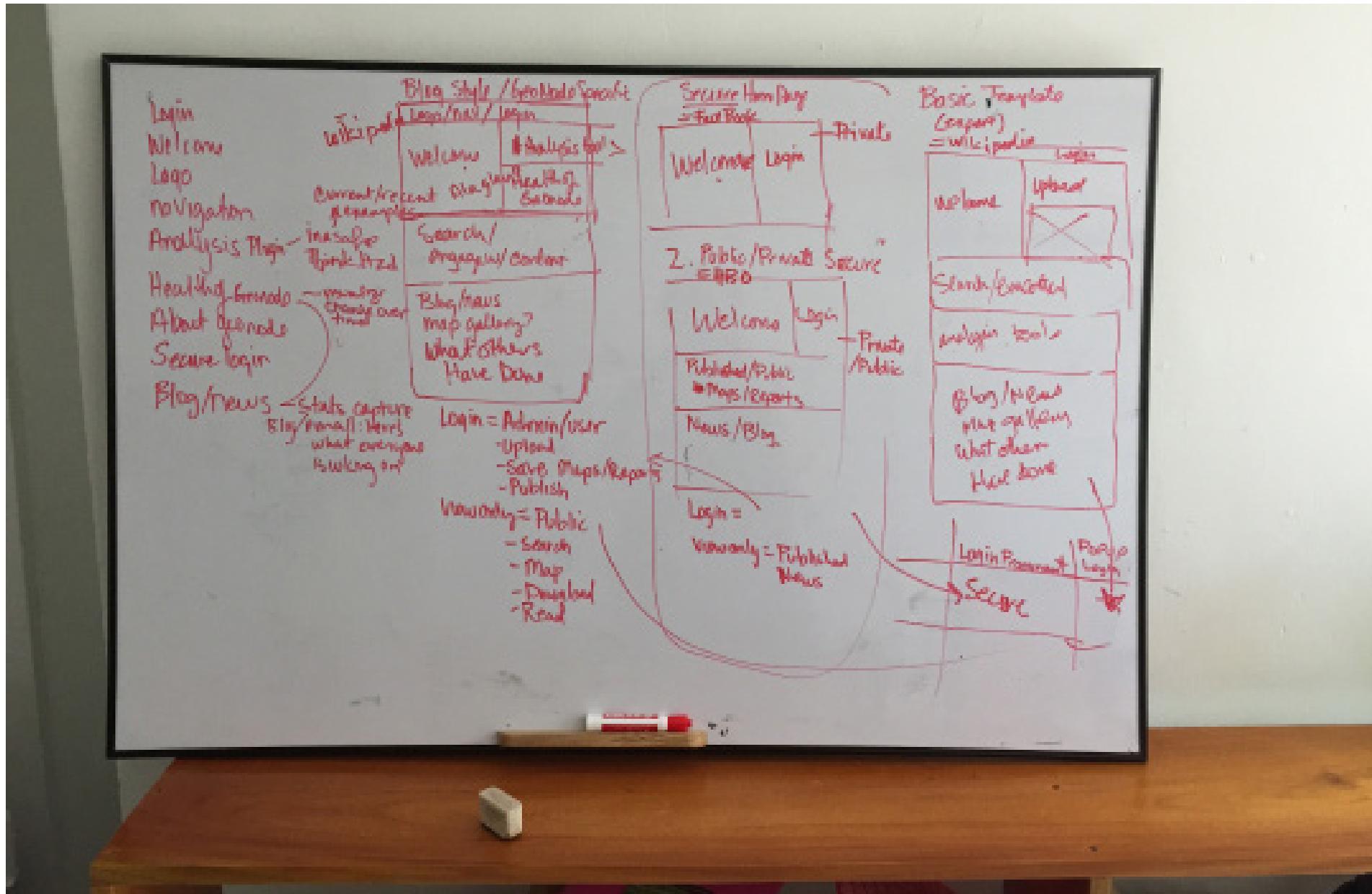
Search Template



Administrator Journeys

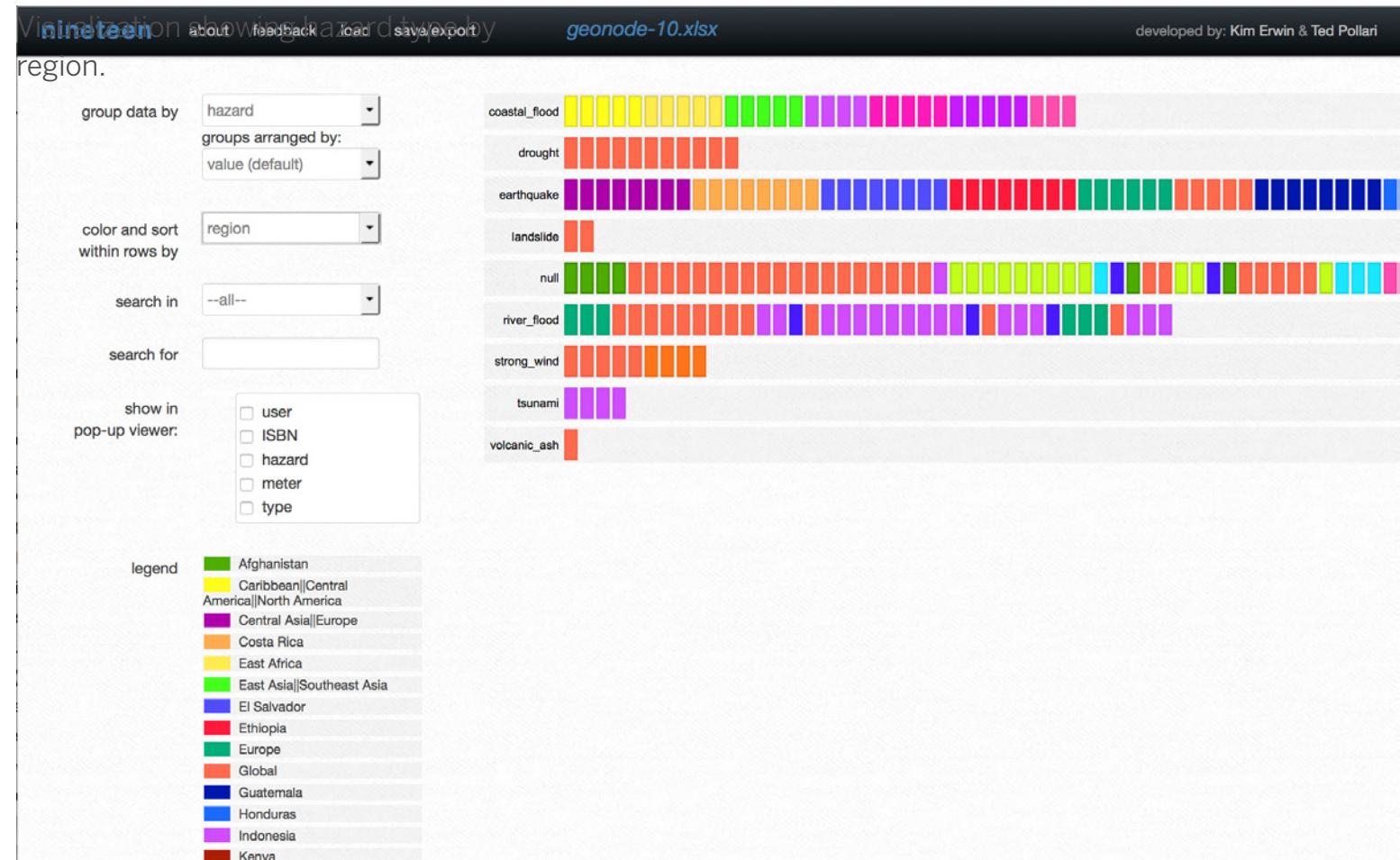


Home Page Templates



Nineteen

data.pollari.com



DASHBOARD EXAMPLE

Mis Alertas

- Alertas a mi e-mail y celular
- Cambiar mis alertas
- Alerta al sistema financiero

Servicio al Cliente

- Servicio al Cliente

Mi Historia de Crédito

- Mis cuentas
- Mis cuentas cerradas
- ¿Quién me ha consultado?
- Mis reclamaciones

Mi Perfil de Crédito

950 Mi Score de Crédito

950 Mi Diagnóstico Financiero

Mi Score de Crédito

En esta sección encontrará un resumen de su Score de Crédito de midatacredito y una comparación con respecto al mercado de crédito.

El puntaje o score de crédito de midatacredito es un modelo estadístico que predice la probabilidad de cumplimiento de una persona en el pago de sus obligaciones. A mayor puntaje, menor es el riesgo asociado al comportamiento financiero de una persona.

Ver más >

Mi Score es:

756

150 250 350 450 550 650 750 850 950

14 abril 2016 12:36 PM

Cómo usar su Score

Si necesita más información, visite la sección Mi Perfil de Crédito para obtener más detalles.

Step 1: System Status

Mis Alertas

- Alertas a mi e-mail y celular
- Cambiar mis alertas
- Alerta al sistema financiero

Servicio al Cliente

- Servicio al Cliente

Mi Historia de Crédito

- Mis cuentas
- Mis cuentas cerradas
- ¿Quién me ha consultado?
- Mis reclamaciones

Mi Perfil de Crédito

950 Mi Score de Crédito

midatacredito.com

En esta sección encontrará un resumen de todas sus obligaciones en las diferentes entidades en Colombia que tienen relación con DataCredito. Desde aquí podrá también [actualizar su información personal de registro](#).

Actividad reciente

Cambie sus alertas | Active su celular

Usted está protegido en www.midatacredito.com: No se generaron consultas, nuevas cuentas o cambios en su historia de crédito en el mes de MARZO/2016	Abri 01, 2016
Ingreso de una nueva obligación o cuenta a su historiade crédito. La entidad BANCOLOMBIA VISA registró una nueva obligación con número ****447 en su historia de crédito.	Febrero 13, 2016
Usted está protegido en www.midatacredito.com: No se generaron consultas, nuevas cuentas o cambios en su historia de crédito en el mes de ENERO/2016	Febrero 01, 2016
Ingreso de una nueva obligación o cuenta a su historiade crédito. La entidad COLOMBIA MOVIL registró una nueva obligación con número ****8023 en su historia de crédito.	Diciembre 29, 2015
Usted está protegido en www.midatacredito.com: No se generaron consultas, nuevas cuentas o cambios en su historia de crédito en el mes de NOVIEMBRE/2015	Diciembre 01, 2015

Step 3: Errors

Servicio al Cliente

- Servicio al Cliente

Mi Historia de Crédito

- Mis cuentas
- Mis cuentas cerradas
- ¿Quién me ha consultado?
- Mis reclamaciones

Mi Perfil de Crédito

950 Mi Score de Crédito

950 Mi Diagnóstico Financiero

Cómo mejorar mi Perfil

Mis Metas Financieras

Mi Endeudamiento

Mis Cuotas Mensuales

Gastos y metas de ahorro

Experiencia Crediticia

Usted cuenta con 12 años de Experiencia Crediticia

Bueno

En los últimos 6 meses usted abrió 2 nuevas obligaciones

Bueno

En su vida crediticia usted ha cerrado 3 productos con estados positivos

Bueno

Han transcurrido 3 meses desde su apertura más reciente de productos

Regular

Endeudamiento

A la fecha usted tiene una utilización del 0.0% en sus tarjetas de crédito y rotativos

Excelente

Usted no cuenta con préstamos a plazo fijo.

Factor no evaluado

Usted tiene un comportamiento estable en la utilización de sus tarjetas de crédito y rotativos

Excelente

Estado actual de su Portafolio

Usted cuenta con 3 Productos abiertos al día

Bueno

Step 2: System Check

Alertas a mi e-mail y celular

Cambiar mis alertas

Alerta al sistema financiero

Servicio al Cliente

- Servicio al Cliente

Mi Historia de Crédito

- Mis cuentas
- Mis cuentas cerradas
- ¿Quién me ha consultado?
- Mis reclamaciones

Mi Perfil de Crédito

950 Mi Score de Crédito

950 Mi Diagnóstico Financiero

Cómo mejorar mi Perfil

Mis Metas Financieras

¿Como mejorarlo?

Conozca a continuación algunos de los factores que lo pueden ayudar a mejorar su Perfil de Crédito.

Aspectos clave que pueden ayudar a mejorar su Perfil de Crédito

Experiencia Crediticia

- Usted cuenta con una experiencia crediticia moderada. Se considera que las personas alcanzan una madurez crediticia después de 13 años de buen manejo de sus productos. La experiencia es un factor determinante en el buen manejo de las finanzas. Las personas con suficiente experiencia han vivido épocas de abundancia y escasez tanto de la economía como de sus finanzas personales, y esto les da una mejor perspectiva sobre el manejo del riesgo financiero. Así mismo la edad y la etapa de la vida de cada persona suman en la experiencia crediticia. A mayor experiencia se espera que los créditos sean usados principalmente para construcción de patrimonio, y en menor medida para los gastos del día a día.
- Estadísticamente se ha comprobado que las personas que abren muchos productos en un corto periodo de tiempo tienen un Perfil de mayor riesgo. La recomendación es que después de adquirir una nueva deuda, espere un tiempo prudente de 3 meses antes de solicitar otro crédito, es importante que su flujo de caja se adapte a la nueva obligación antes de solicitar un nuevo crédito.
- Además de los años de experiencia crediticia, el número de productos con buen manejo que usted haya tenido a lo largo de su vida, contribuyen a mejorar su perfil de crédito. En su caso, usted cuenta con una experiencia moderada en el manejo de diversos productos. A medida que el número y diversidad de los productos que usted haya manejado aumenten, esto sumará puntos en su perfil de crédito. Recuerde que al cerrar cualquier crédito o cuenta, debe pedir a la entidad un paz y salvo y revisar que el estado final de la cuenta en su historia de crédito es un estado positivo.

Endeudamiento

Step 4; Specific recommendation for error