

Don't Know What You Got (Till It's Gone): Some Thoughts on Digital Geospatial Data



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Library of Congress
GeoDC Meetup
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NDIIPP (for short)



National Digital Information Infrastructure and Preservation Program

MISSION: Ensure access over time to a rich body of digital content through establishment of a national network of partners committed to selecting, collecting and preserving at-risk digital information.





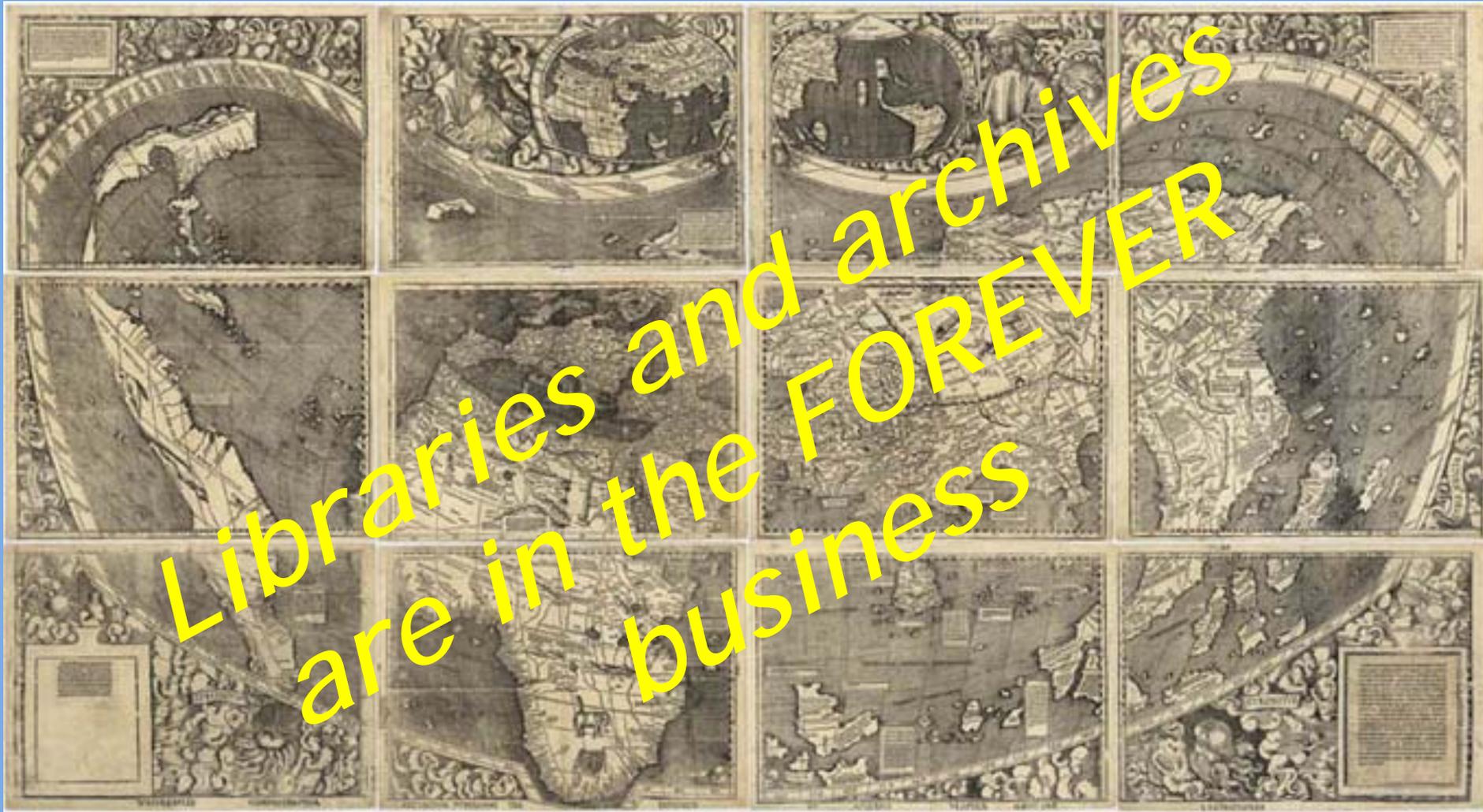
Don't know what you got till it's gone
Don't know what it is I did so wrong
Now I know what I got
It's just this ~~song~~ **historic digital geo-**
spatial data
And it ain't easy to get back
Takes so long



<http://static.tumblr.com/menizq0/Rsslj2xh0/dev2.jpg>



Libraries and archives
are in the FOREVER
business





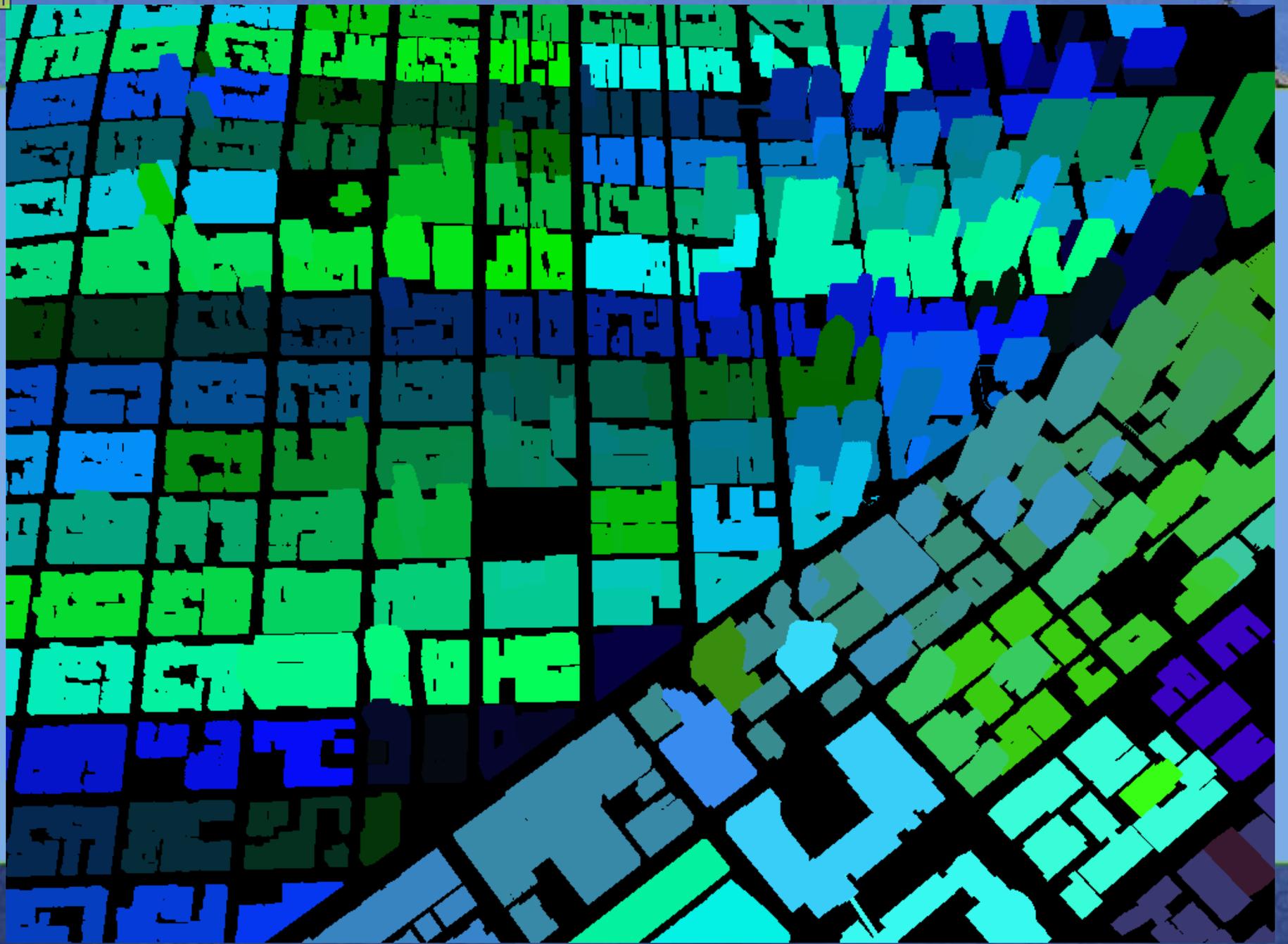
Neogeography



http://farm5.static.flickr.com/4132/4948494811_f94cba9c87.jpg

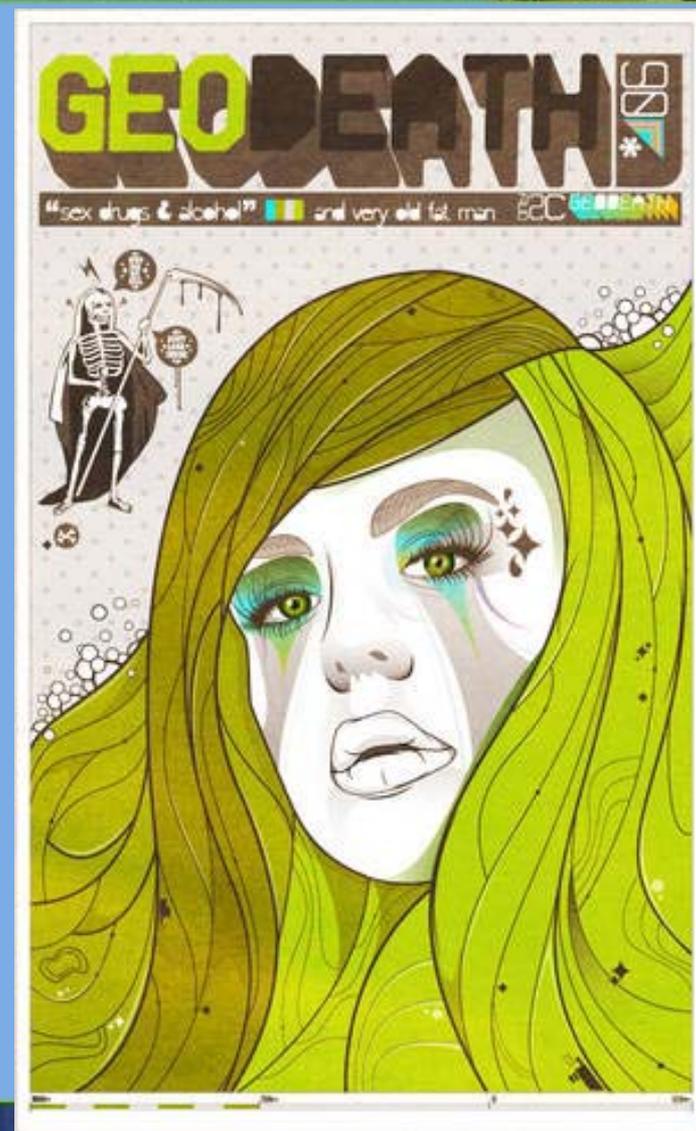


<http://cloud.24ways.org/authors/andrewturner280.jpg>



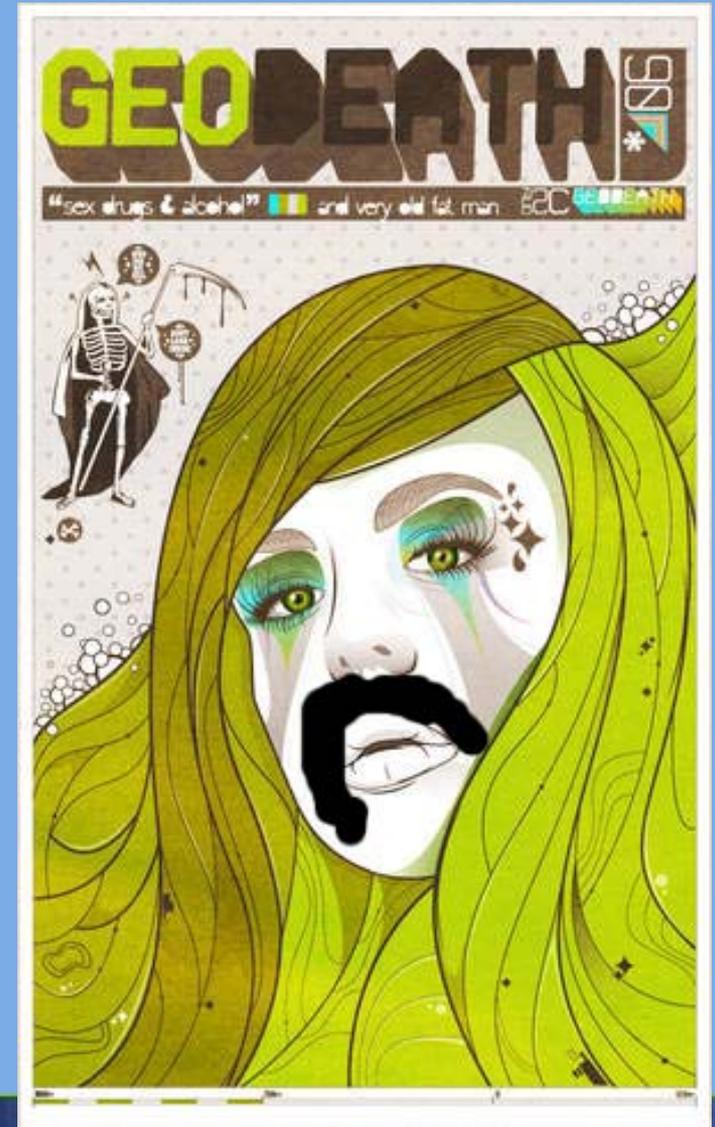
Special Risks to the “gone-ness” of Geospatial Information?

- Unique geospatial data formats
- Spatial database complexity
- Fragility and uncertainty surrounding digital cartographic representation



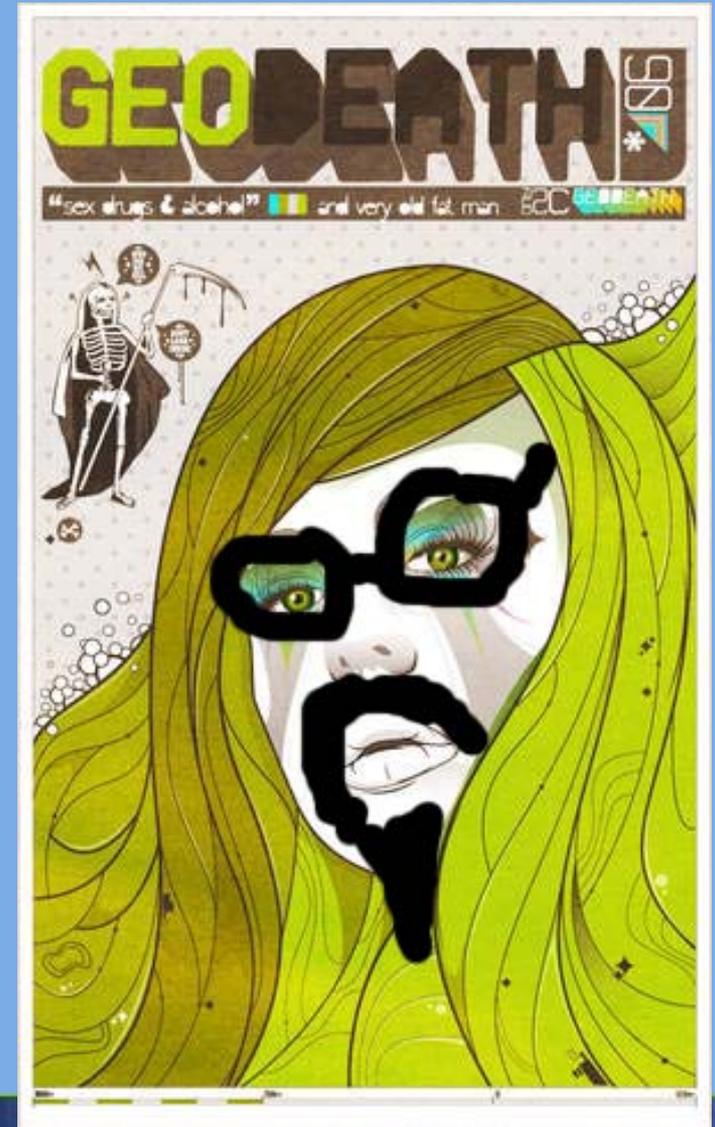
Even MORE Special Risks to Geospatial Information?

- Issues related to time-versioned content
- Metadata unavailability or inconsistency
- Potentially Large File Sizes for Raster Images



Even MORE Special Risks to Geospatial Information?

- No generally supported content packaging design for complex geospatial data





Collaboration



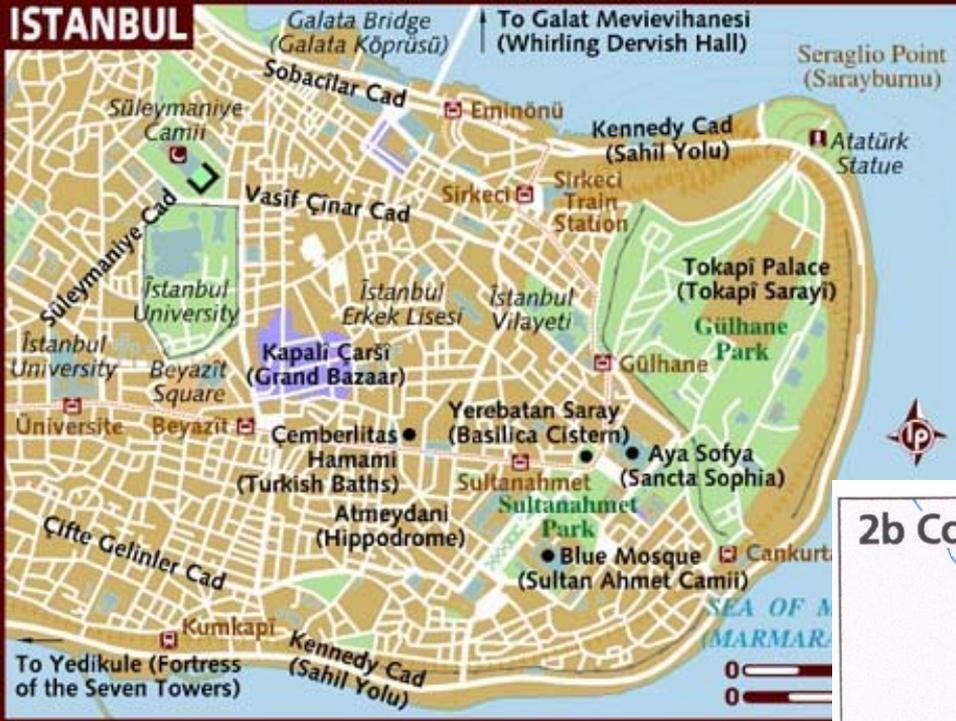
Unlocking Value: Benefits!



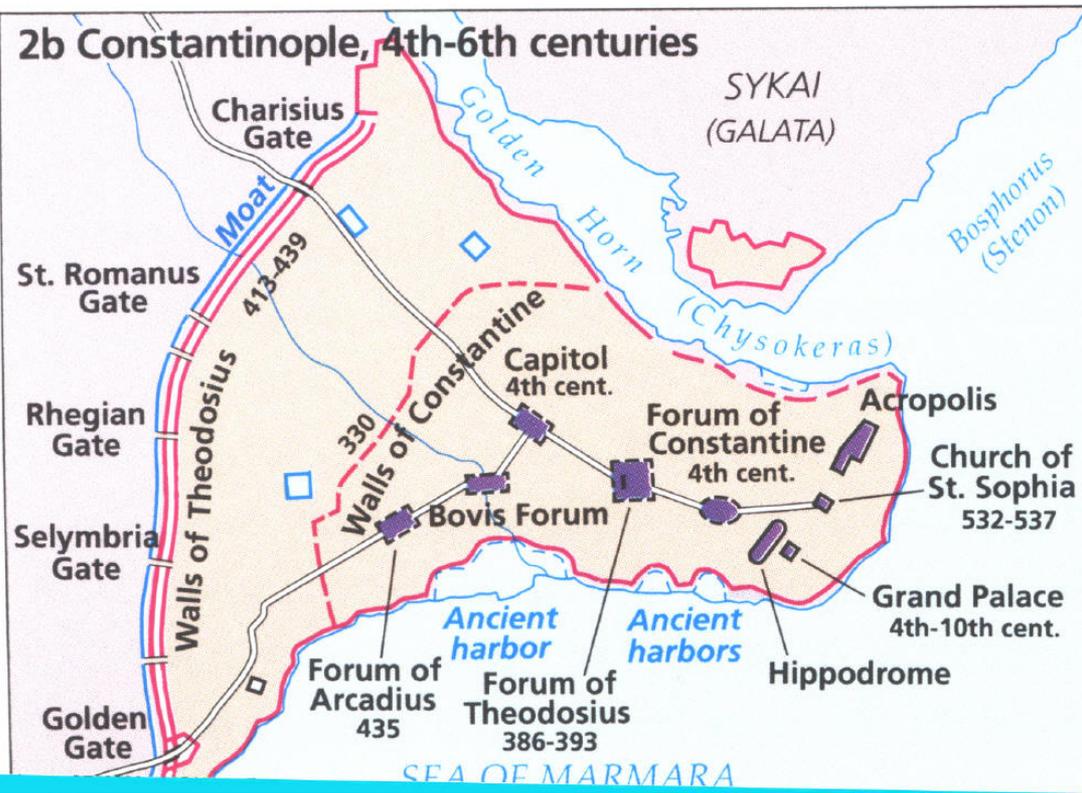
- eDiscovery
- Legal Mandate
- Maximize Investment
- Generate Revenue
- Save Money
- Avoid Costs
- Document Business Processes for Improved Decision-Making
- Improve Information Sharing and Access
- Provide Historical Cultural Heritage Evidence
- Spur Information System Modernization
- Document Environmental Change and Impact
- Demographic Trends



NDSA 



Latitude	Longitude
N 41° 0' 49"	E 28° 56' 58"



http://www.lonelyplanet.com/maps/europe/turkey/istanbul/map_of_istanbul.jpg

<http://faculty.cua.edu/pennington/churchhistory220/images/ConstantinopleMap400.jpg>



ENTERTAINMENT WEEKLY.COM

THEY MIGHT BE GIANTS

Where the Heck Am I?



- WOEID
- <http://developer.yahoo.com/geo/geoplanet/guide/concepts.html>
- Getty Thesaurus of Geographic Names Online
<http://www.getty.edu/vow/TGNSearchPage.jsp>
- Open Street Map on names
- <http://wiki.openstreetmap.org/wiki/Names>
- Geonames
- <http://www.geonames.org/>
- NGA Geonet Names Server
- <http://earth-info.nga.mil/gns/html/>



Resources:



- DigitalPreservation.gov
- Geomapp.net
- GeoPreservation.org
- FGDC Users/Historical Data Working Group:
<http://www.fgdc.gov/participation/working-groups-subcommittees/hdwg>
- DPC Technology Watch Report *Preserving Geospatial Data*:
http://www.dpconline.org/component/docman/doc_download/363-preserving-geospatial-data-by-guy-mcgarva-steve-morris-and-gred-greg-janee
- National Digital Stewardship Alliance:
<http://www.digitalpreservation.gov/ndsa>

Thanks!



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http://imagecache2.allposters.com/images/pic/Matted_Prints/mp_814104_b-Man-on-Phone-Thanks-Posters.jpg