

# NYU's GIS Services

NYC OGP Meeting Ignite Talk  
December - Friday the 13th

H I M M I S T R Y

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Data Services, New York University



- Context:
  - New York University (NYU)
  - Data Services (DS)
    - Background
    - Patrons / Clients
    - Current GIS Services
- Academic realm - NYU
  - Service Philosophy - Data Life Cycle
  - Challenges or Opportunities
- Questions



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## New York University (NYU):

- NYU is one of the largest private universities in United States
- 40,000+ students
- 18 schools & colleges
- 5 major centers in Manhattan
- Global Sites in Africa, Asia, Europe, & South America
- 2,500+ courses offered
- Students come from every state & 133 foreign countries
- No Geography or Geospatial degree or certificate program



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## Data Services (DS):

### - Background

#### i. Pre-cursor to DS

- Started as an ITS facility in one small room
- Not in a central location
- One staff member with quantitative background & working knowledge of GIS
- Few on and off students
- GIS Patrons/Clients - based on one-one rapport



#### ii. Formal DS came into being in 2008

- Library and ITS - Joint venture
- One small Lab with 10 workstations in a Bobst Library
- 4 staff members + 3/4 students
  - 2 Specialist (quantitative)
  - 1 Specialist (GIS)
  - 1 Data Librarian (20%)
- GIS Patrons/Clients - mainly Urban Planning + few researchers



## Data Services (DS):

### - Background

#### iii. Current DS

- One Larger Lab with 26 workstations in Bobst Library
- A small teaching space with 10 workstations
- Part of Research Commons
- 5 staff members + 3/4 GIS students + 3/4 quant students
  - 2 Specialists (quantitative)
  - 1 Adjunct Specialist (quantitative)
  - 1 Specialist (qualitative + survey)
  - 1 Specialist (GIS)
  - 1 Data Librarian (25%)
- GIS Patrons/Clients - Much broader range of disciplines, schools, and research projects ...



PATRONS/CLIENTS:

Archeology

Humanities

Epidemiology

Biology

Capstone Projects

Irish Study

Anthropology

Transportation

Advertising

History

Food & Nutrition Studies

NYUMC

Finance

Social Work

Sociology

Education

Demographics

Space Planning

Politics

Environmental Justice

Linguistics

NYU Public Safety

Marketing

Way Finding

Real Estate

Archeology

Economics

GTS

Climate Change

Applied Psychology

City meets the Sea

Public Health

Crisis mapping

NYU-AD

Urban Planning

Dentistry

NYU Data Services



## Data Services (DS):

### - Current GIS Services

- Conduct introductory classes
- Tutorials documentation
- Consultations: Walk-ins and by Appointments
- Provide lab workstations for GIS users
- Licensed datasets (acquisition, storage & distribution)
- The Spatial Data Repository
- NYU project-based support
- GIS coursework support

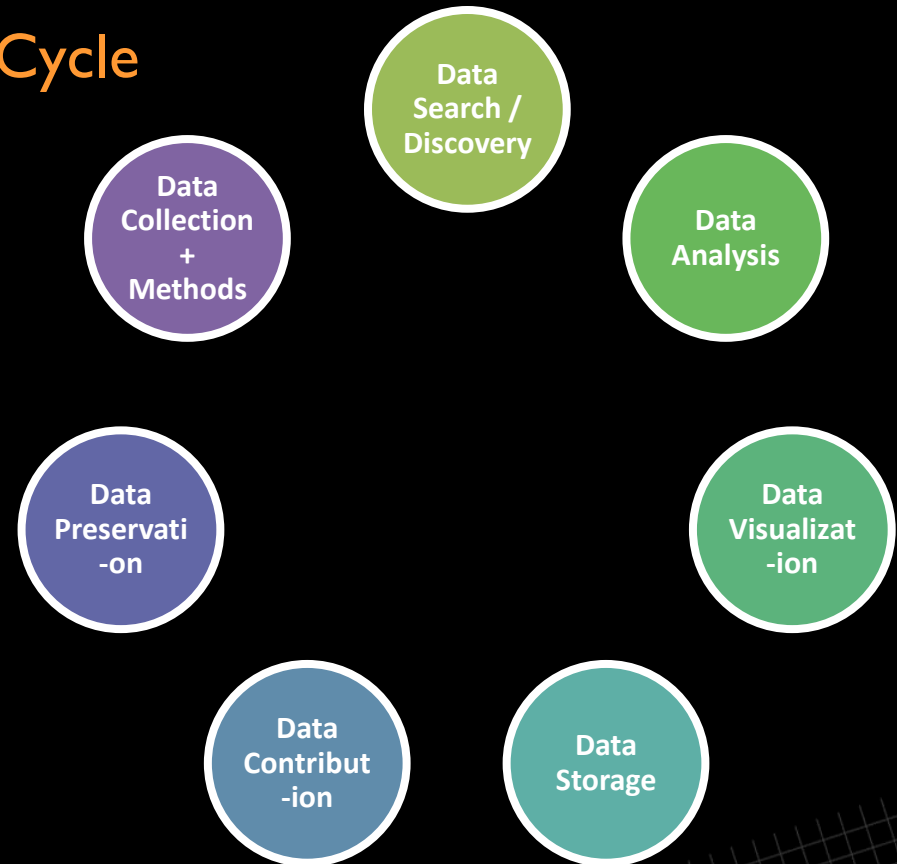


- Context:
  - New York University (NYU)
  - Data Services (DS)
    - Background
    - Facility
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## Service Philosophy:

- Unique as we are in teaching, research & scholarship realm
- Aim to support Data Life Cycle
  - Collection
  - Search & Discovery
  - Analysis
  - Visualization
  - Storage
  - Contribution
  - Preservation



Challenges:

- Volatile client base viz. active demand of services
- Vast fields of study and research
- Varied demands for spatial data, tools and information
- Various levels of support – type, quality, capacity, availability and content

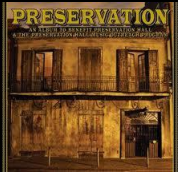
all of which translates into ...



## Opportunities:



- Efficient Search & Discovery environment to self-serve patrons/clients
- Metadata creation for student/researcher collected data (biggest industry-wide challenge)
- Robust Spatial Data Repository with varying degree of access (with respect to license agreement of data)
- A goal to preserve spatial data



all of which requires ...



## Expertise:

We need an ideal team of:

- GIS Experts
- GIS Librarian
- GIS Metadata Librarian
- GIS App. Developer
- Map Librarian
- ....



## One step at a time:

- Join hands with OGP consortium
- Host OGP Meeting :)
- Learn about OGP
- Search for GIS Librarian & Adjunct GIS Specialist (please apply / spread the word..)



# THANK YOU



# QUESTIONS

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NEW YORK UNIVERSITY

NYU **DataServices**