University of Pittsburgh

The New World of Community Information in Our Region

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UCSUR's Long History as an Information Intermediary

NATIONAL NEIGHBORHOOD INDICATORS PARTNERSHIP

Over the years, we produced many neighborhood and community indicators reports.

City of Pittsburgh Neighborhood Profiles – Census 2010 Summary File 1 (SF1) Data

Allegheny West

Population by Race		
Total population	462	
White alone	354	76.6%
Black or African American alone	84	18.2%
American Indian and Alaska Native alone	1	0.2%
Asian alone	7	1.5%
Native Hawaiian and Other Pacific Islander alone	0	0.0%
Some other race alone	2	0.4%
Two or more races	14	3.0%

Population by Hispanic or Latino Origin		
Total population	462	
Not Hispanic or Latino	449	97.2%
Hispanic or Latino	13	2.8%

Household Type		
Total households	266	
Family households:	81	30.5%

Area (Square Miles)	0.14
Density (Persons per Square Mile)	3,196

Population by Age		
Total population	462	
Under 5 years	11	2.4%
5 to 9 years	6	1.3%
10 to 14 years	14	3.0%
15 to 17 years	5	1.1%
18 and 19 years	3	0.6%
20 years	1	0.2%
21 years	8	1.7%
22 to 24 years	25	5.4%
25 to 29 years	48	10.4%
30 to 34 years	56	12.1%
35 to 39 years	35	7.6%
40 to 44 years	44	9.5%
45 to 49 years	37	8.0%
50 to 54 years	39	8.4%
55 to 59 years	44	9.5%
60 and 61 years	21	4.5%

We operated a GIS server where organizations could make maps and view data

PNCIS Pittsburgh Neighborhood and Community Information System

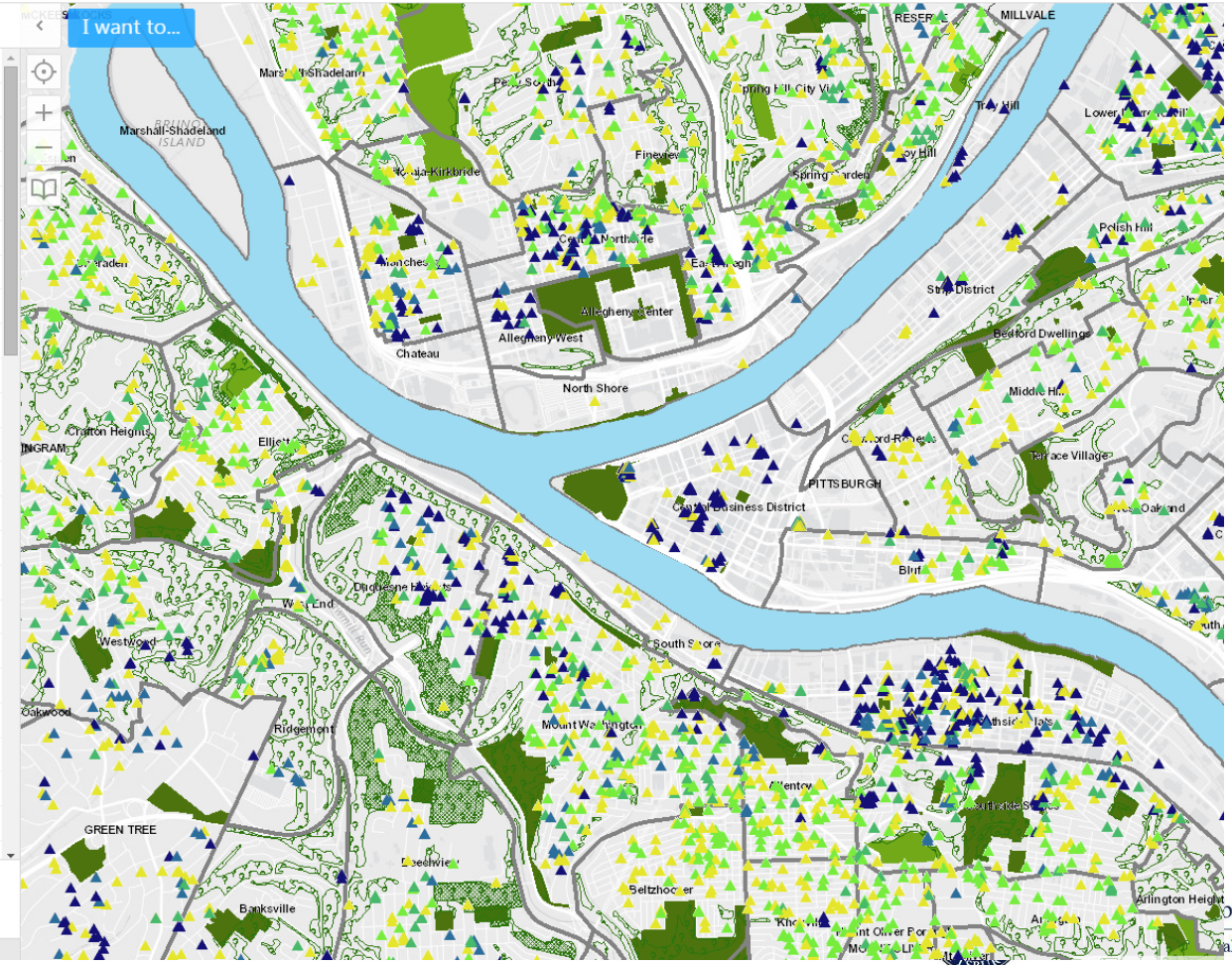
Web Viewer 2.0 Beta

Map Layers

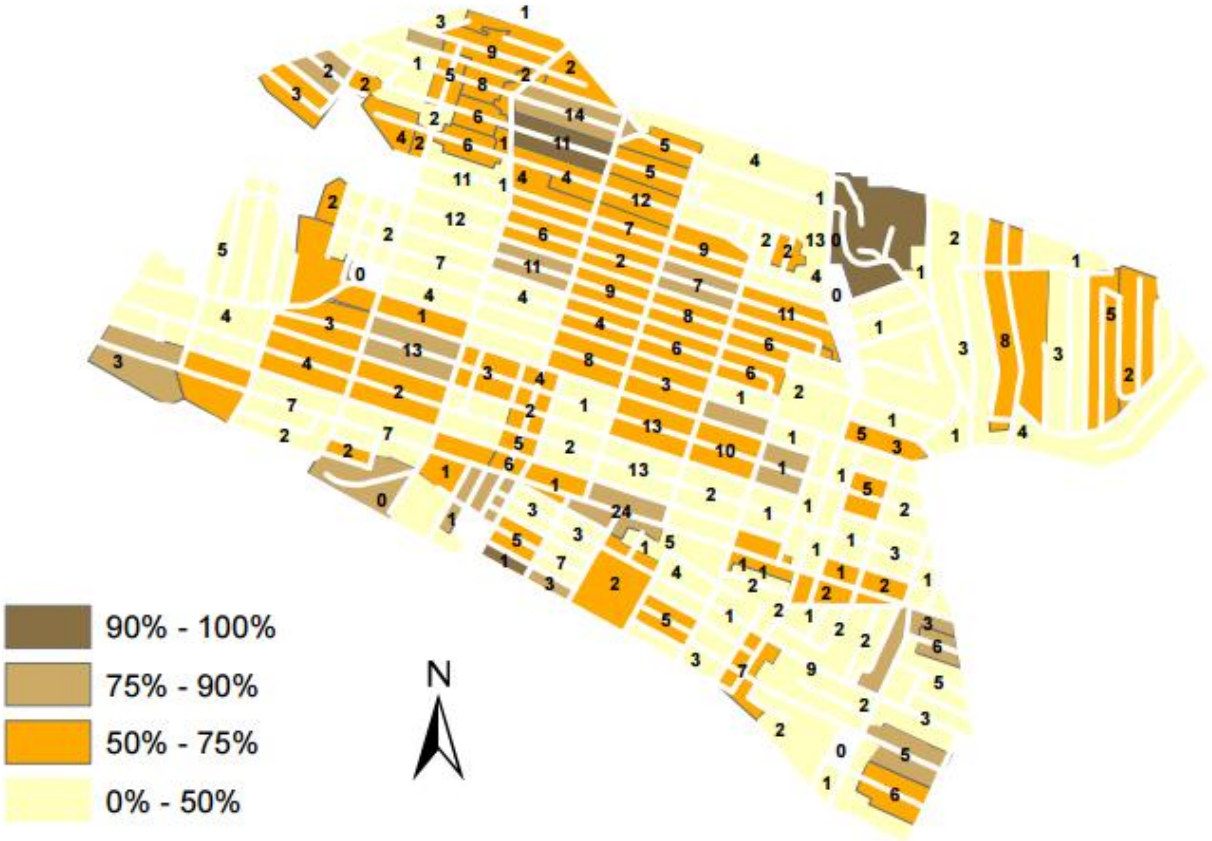
I want to...

- Point
  - Sales 2014_04
  - Sales 2013
  - Sales 2012
  - Sales 2011
  - Sales 2010
  - Sales 2009
  - Sales 2008
  - ForeclosureDetailed2014_05
  - Foreclosure Detailed 2013
  - Foreclosure Detailed 2012
  - Foreclosure Detailed 2011
  - Foreclosure Detailed 2010
  - Foreclosure Detailed 2009
  - Building Permits 2012
  - Building Permits 2011
  - Code Violation 2012 Dangerous Cond
  - Code Violation 2011 Dangerous Cond
  - Code Violation 2012 Prop Maintenance
  - Code Violation 2011 Prop Maintenance
  - Demolition Permit City 2012
  - Demolition Permit City 2011
  - Razed 2012
  - Razed 2011

Show Legend



We also conduct research and provide technical assistance to government and community organizations

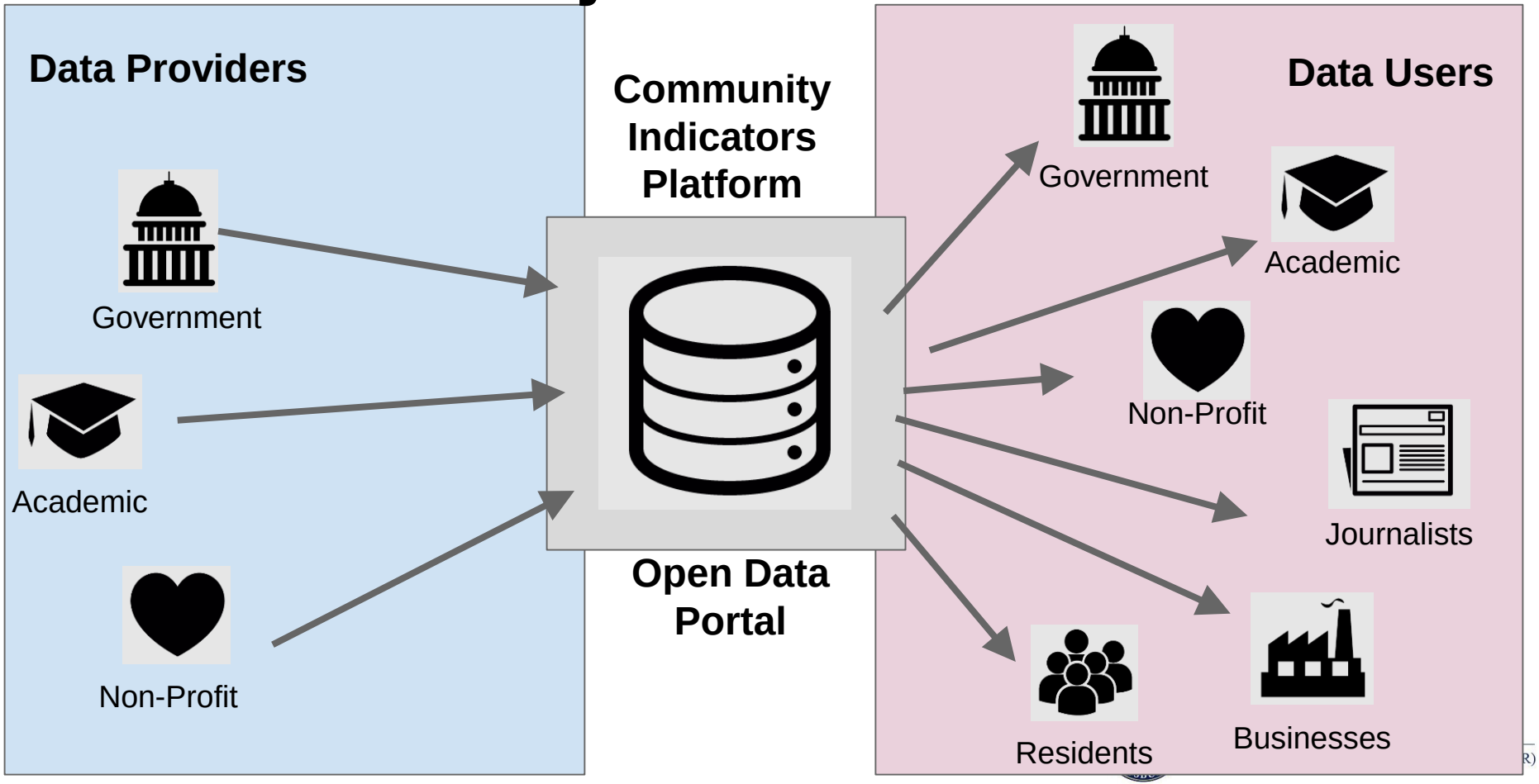


Numbers on map reflect count of parcels with vacant structures by block.

Source: Operation Better Block Parcel Survey

We’re now moving into the world of open data and neighborhood indicators.

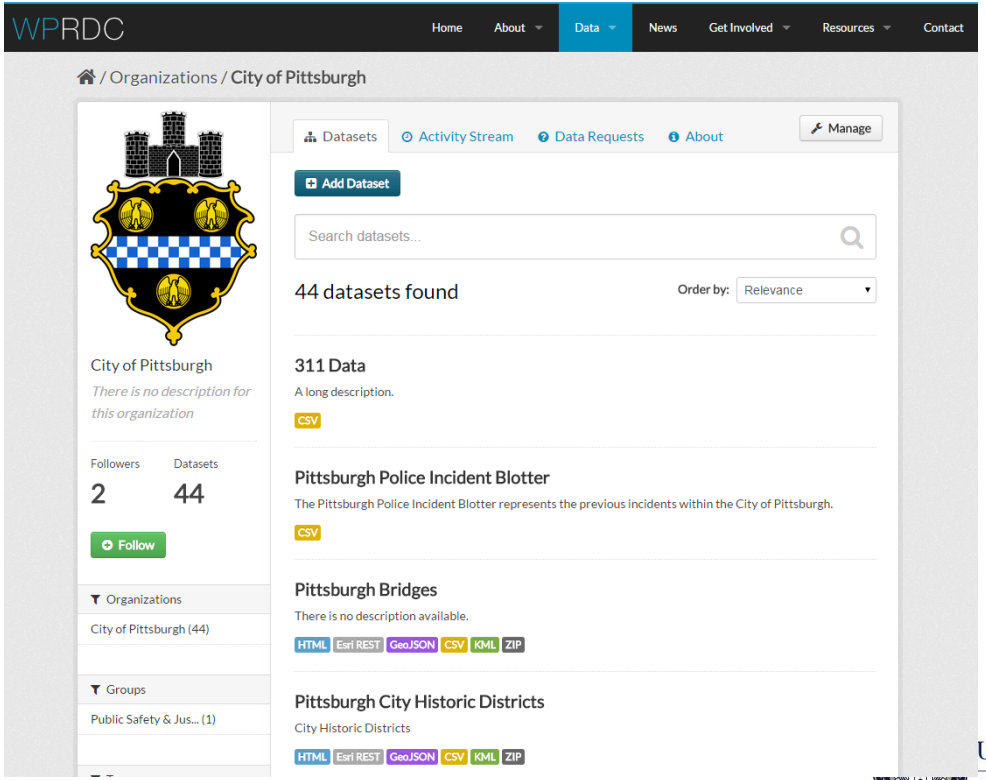
Project Structure



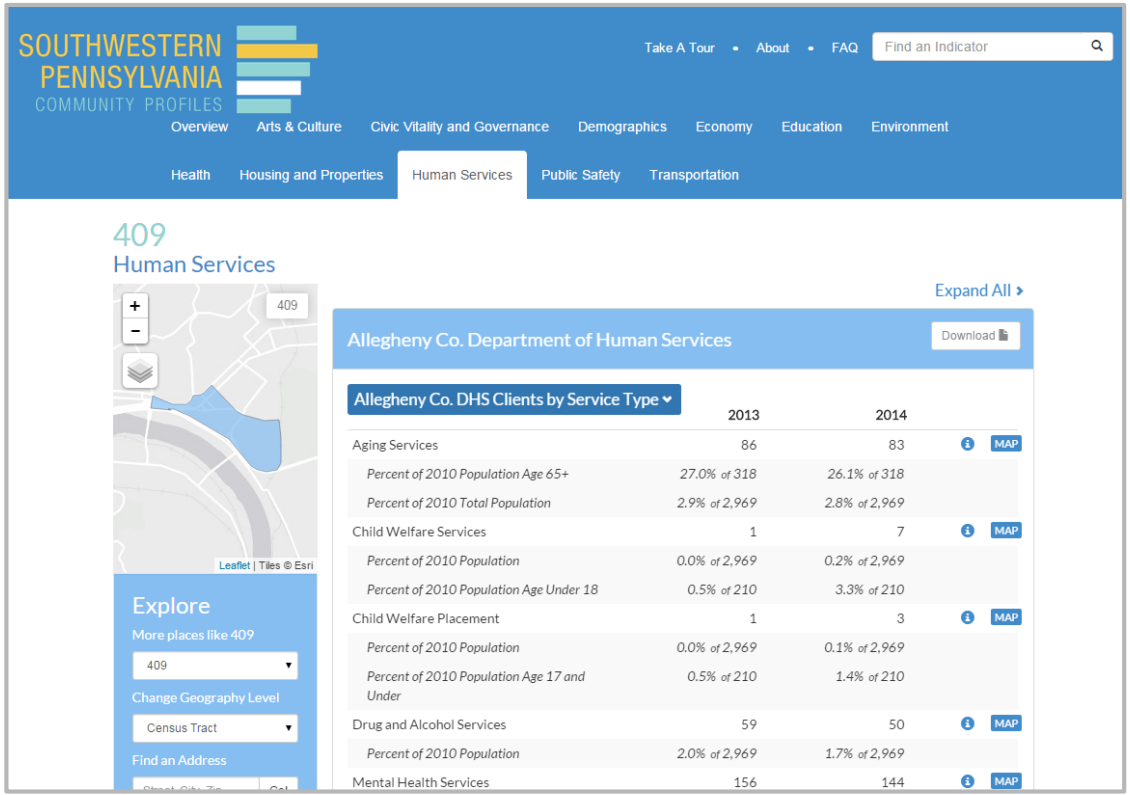
Nine reflections and observations informed our project structure.

1. Demand for data is growing. Most people either want raw data or aggregate data that describes a place

Raw Data: Western Pennsylvania Regional Data Center



Local Indicators: Southwestern Pennsylvania Community Profiles



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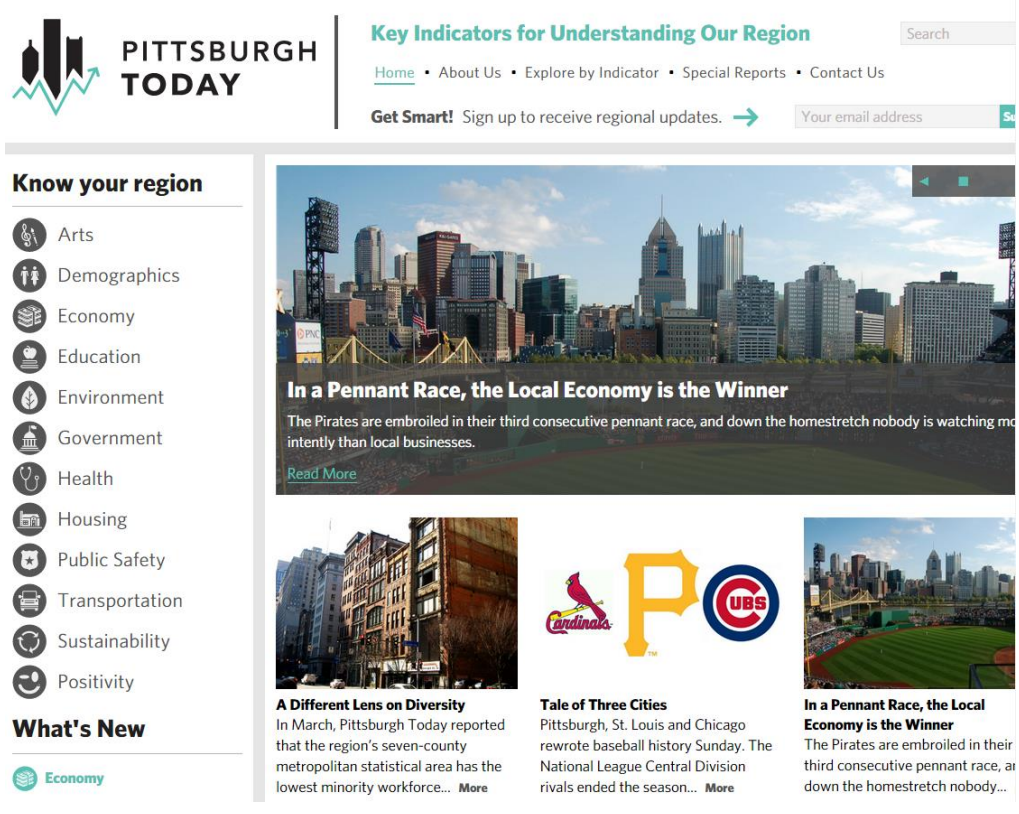
Regional Indicators: Pittsburgh Today



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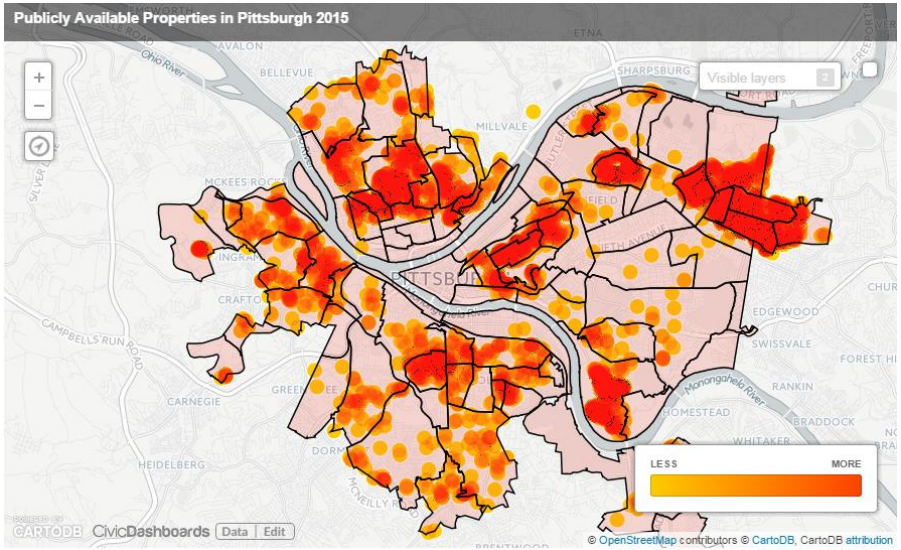
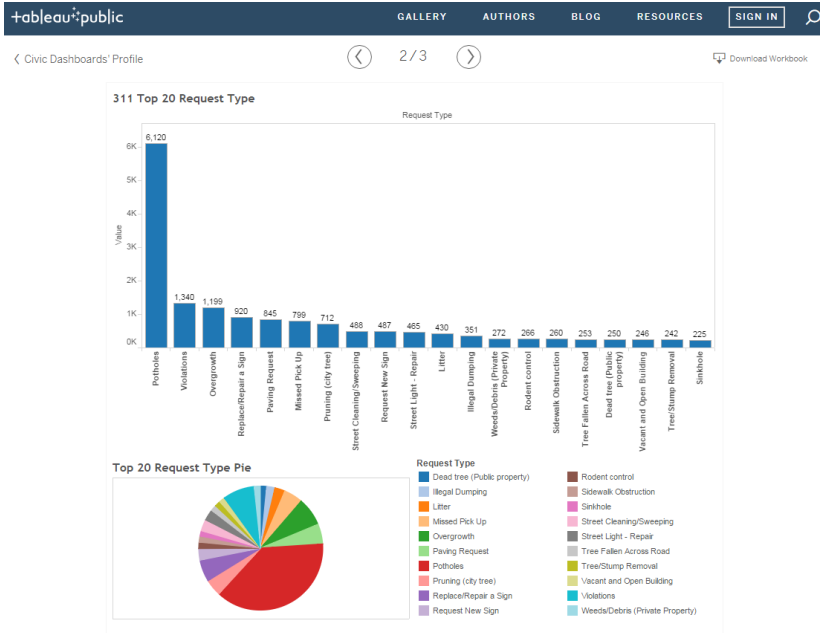
2. People want to use their own tools to explore raw data.





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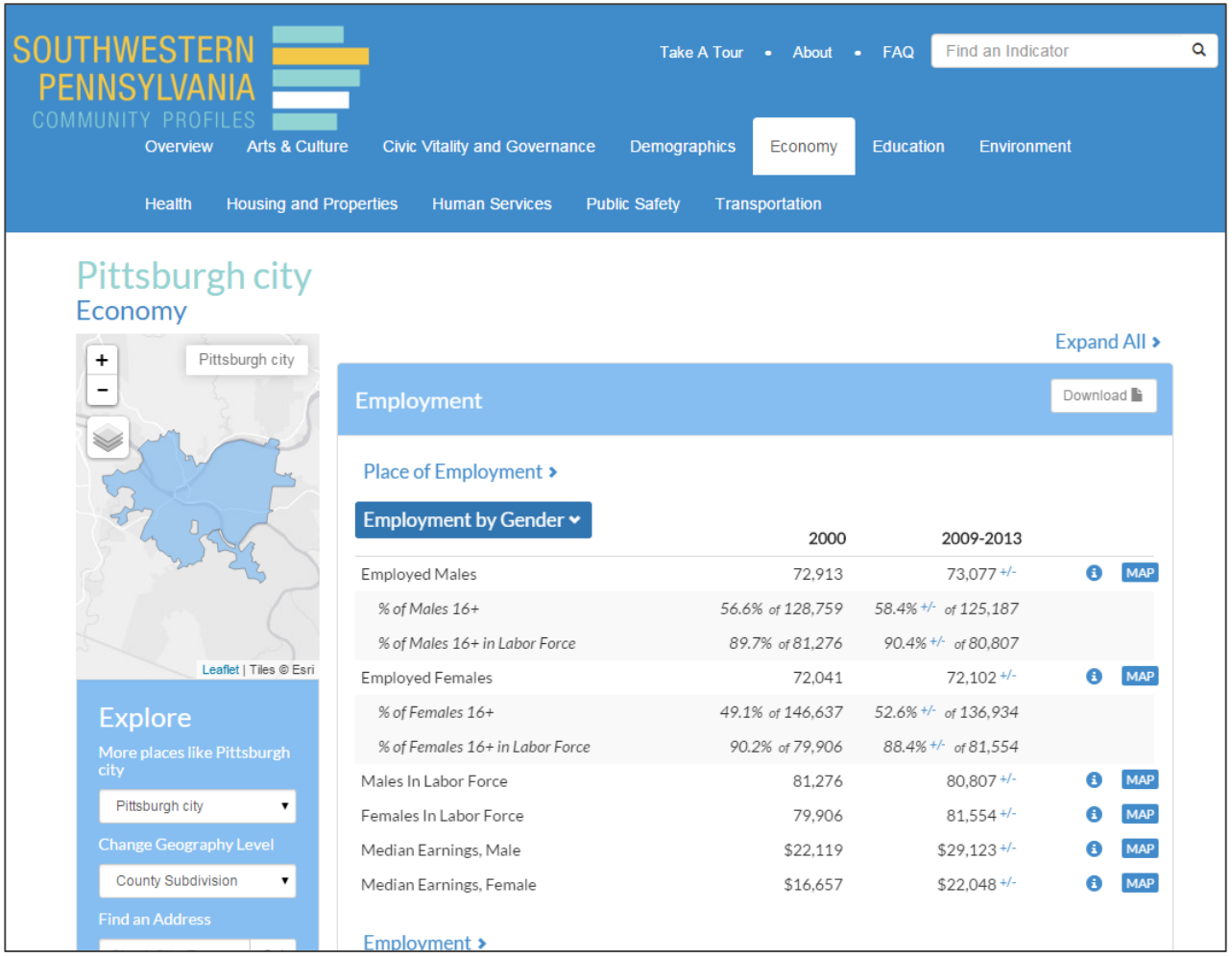
3. There’s still a need for
user-friendly tools for
community indicators.



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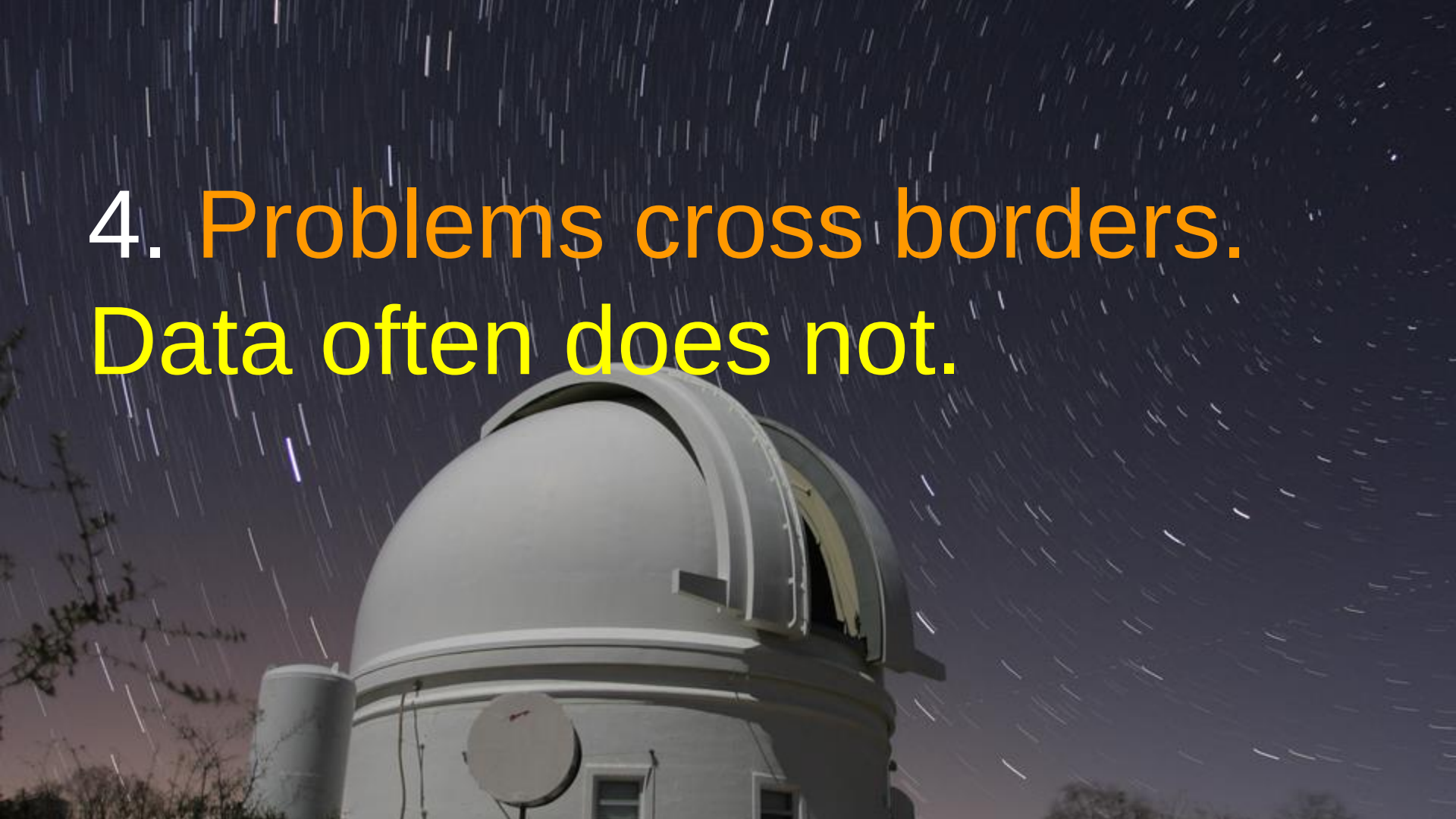
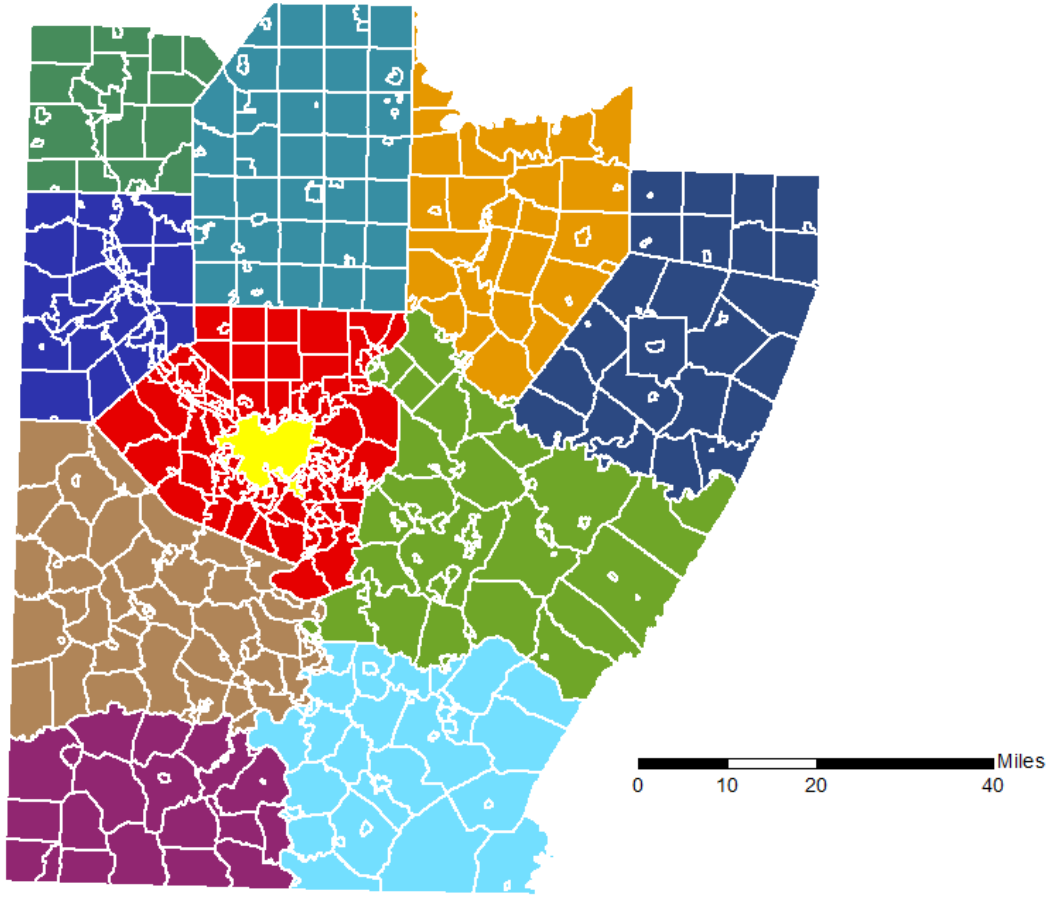

4. Problems cross borders.
Data often does not.



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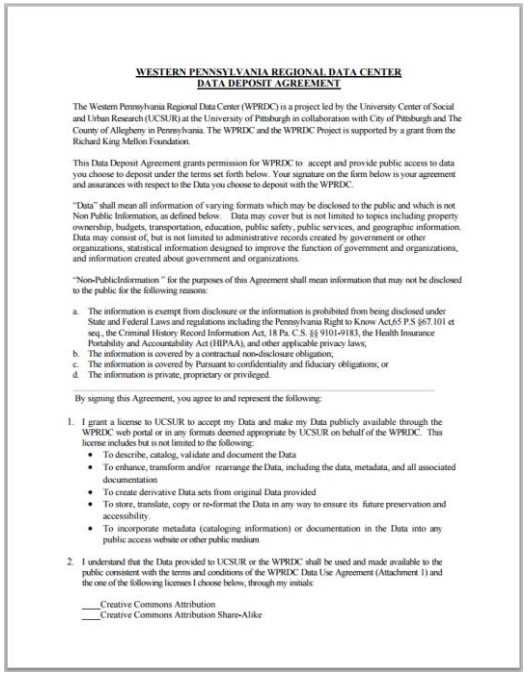
Two-Page Data Deposit Agreement for New Data Center Publishers

- Government
- Non-Profit
- Academic



WESTERN PENNSYLVANIA REGIONAL DATA CENTER
DATA DEPOSIT AGREEMENT

The Western Pennsylvania Regional Data Center (WPRDC) is a project led by the University Center of Social and Urban Research (UCSUR) at the University of Pittsburgh in collaboration with City of Pittsburgh and The County of Allegheny in Pennsylvania. The WPRDC and the WPRDC Project is supported by a grant from the Richard King Mellon Foundation.

This Data Deposit Agreement grants permission for WPRDC to accept and provide public access to data you choose to deposit under the terms set forth below. Your signature on the form below is your agreement and assurances with respect to the Data you choose to deposit with the WPRDC.

"Data" shall mean all information of varying formats which may be disclosed to the public and which is not Non Public Information, as defined below. Data may cover but is not limited to topics including property ownership, budgets, transportation, education, public safety, public services, and geographic information. Data may consist of, but is not limited to administrative records created by government or other organizations, statistical information designed to improve the function of government and organizations, and information created about government and organizations.

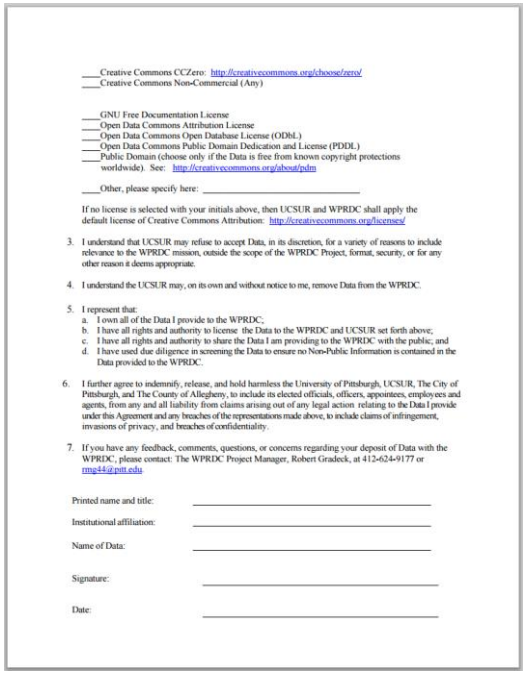
"Non-PublicInformation " for the purposes of this Agreement shall mean information that may not be disclosed to the public for the following reasons:

a. The information is exempt from disclosure or the information is prohibited from being disclosed under State and Federal Laws and regulations including the Pennsylvania Right to Know Act,65 P.S §67.101 et seq., the Criminal History Record Information Act, 18 Pa. C.S. §§ 9101-9183, the Health Insurance Portability and Accountability Act (HIPAA), and other applicable privacy laws;
b. The information is covered by a contractual non-disclosure obligation;
c. The information is covered by Pursuant to confidentiality and fiduciary obligations; or
d. The information is private, proprietary or privileged.

By signing this Agreement, you agree to and represent the following:

1. I grant a license to UCSUR to accept my Data and make my Data publicly available through the WPRDC web portal or in any formats deemed appropriate by UCSUR on behalf of the WPRDC. This license includes but is not limited to the following:
   - To describe, catalog, validate and document the Data
   - To enhance, transform and/or rearrange the Data, including the data, metadata, and all associated documentation
   - To create derivative Data sets from original Data provided
   - To store, translate, copy or re-format the Data in any way to ensure its future preservation and accessibility.
   - To incorporate metadata (cataloging information) or documentation in the Data into any public access website or other public medium
2. I understand that the Data provided to UCSUR or the WPRDC shall be used and made available to the public consistent with the terms and conditions of the WPRDC Data Use Agreement (Attachment 1) and the one of the following licenses I choose below, through my initials:

   ___Creative Commons Attribution
   ___Creative Commons Attribution Share-Alike



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___Other, please specify here: _____

If no license is selected with your initials above, then UCSUR and WPRDC shall apply the default license of Creative Commons Attribution: http://creativecommons.org/licenses/

3. I understand that UCSUR may refuse to accept Data, in its discretion, for a variety of reasons to include relevance to the WPRDC mission, outside the scope of the WPRDC Project, format, security, or for any other reason it deems appropriate.
4. I understand the UCSUR may, on its own and without notice to me, remove Data from the WPRDC.
5. I represent that:
   a. I own all of the Data I provide to the WPRDC;
   b. I have all rights and authority to license the Data to the WPRDC and UCSUR set forth above;
   c. I have all rights and authority to share the Data I am providing to the WPRDC with the public; and
   d. I have used due diligence in screening the Data to ensure no Non-Public Information is contained in the Data provided to the WPRDC.
6. I further agree to indemnify, release, and hold harmless the University of Pittsburgh, UCSUR, The City of Pittsburgh, and The County of Allegheny, to include its elected officials, officers, appointees, employees and agents, from any and all liability from claims arising out of any legal action relating to the Data I provide under this Agreement and any breaches of the representations made above, to include claims of infringement, invasions of privacy, and breaches of confidentiality.
7. If you have any feedback, comments, questions, or concerns regarding your deposit of Data with the WPRDC, please contact: The WPRDC Project Manager, Robert Gradeck, at 412-624-9177 or rmg44@pitt.edu

Printed name and title: _____

Institutional affiliation: _____

Name of Data: _____

Signature: _____

Date: _____

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5. Most data owners are not good at publishing.

Publisher Training and Technical Assistance

6. Data is like bread. It gets stale over time.

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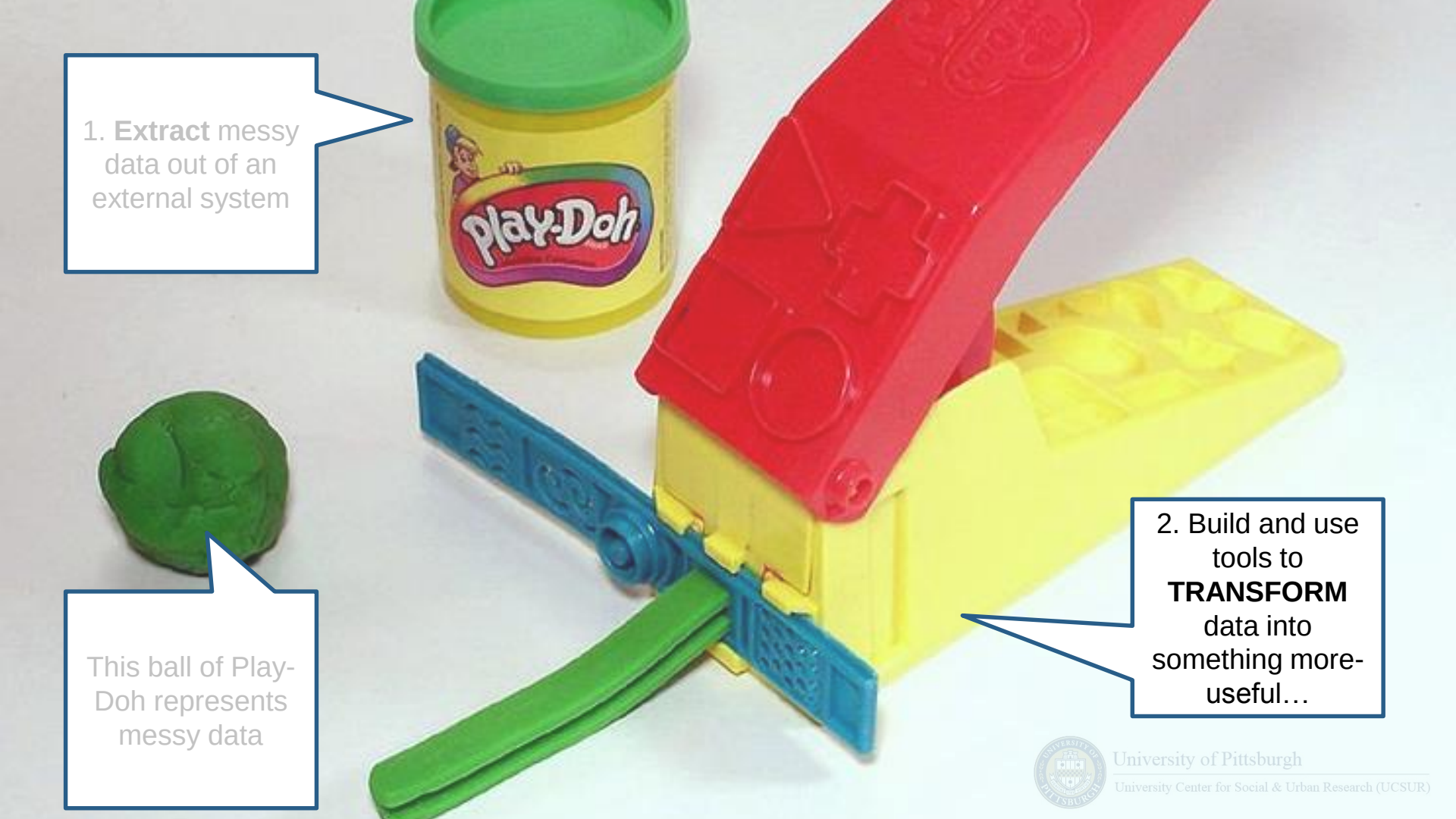
1. **EXTRACT** messy data out of an external system
Play-Doh
This ball of Play-Doh represents messy data


1. **Extract** messy data out of an external system
Play-Doh
This ball of Play-Doh represents messy data
2. Build and use tools to **TRANSFORM** data into something more-useful…
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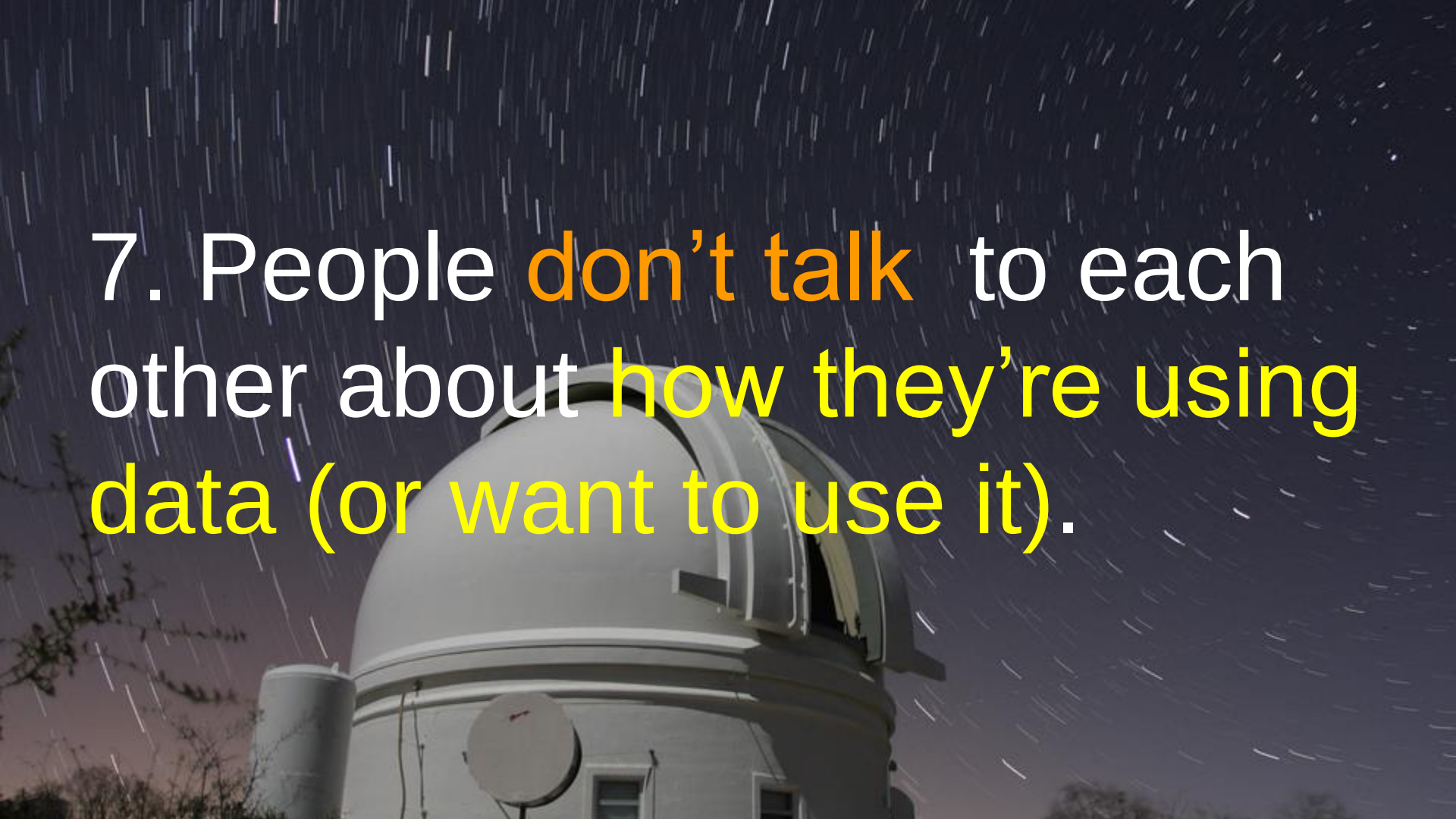
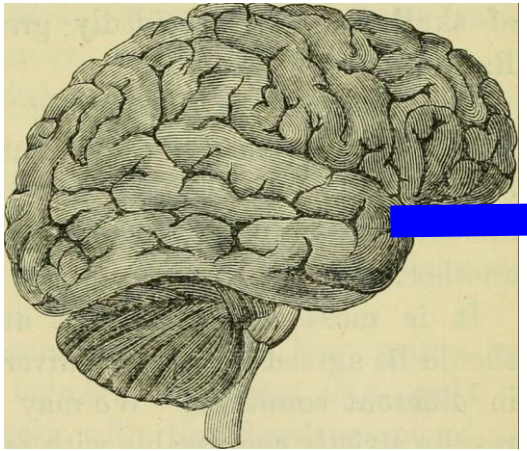
3. We **LOAD** it to our systems so you can build something with the data!

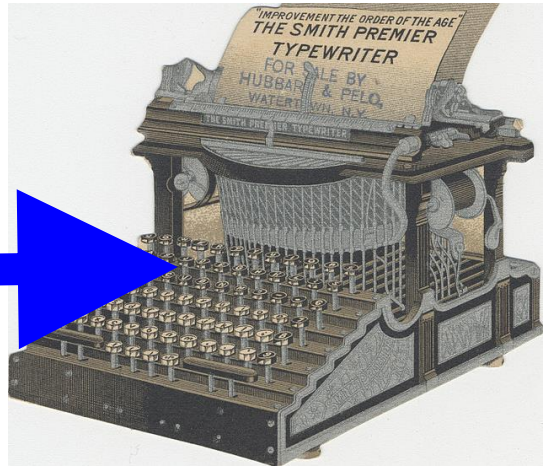

7. People don’t talk to each other about how they’re using data (or want to use it).

Data User Groups

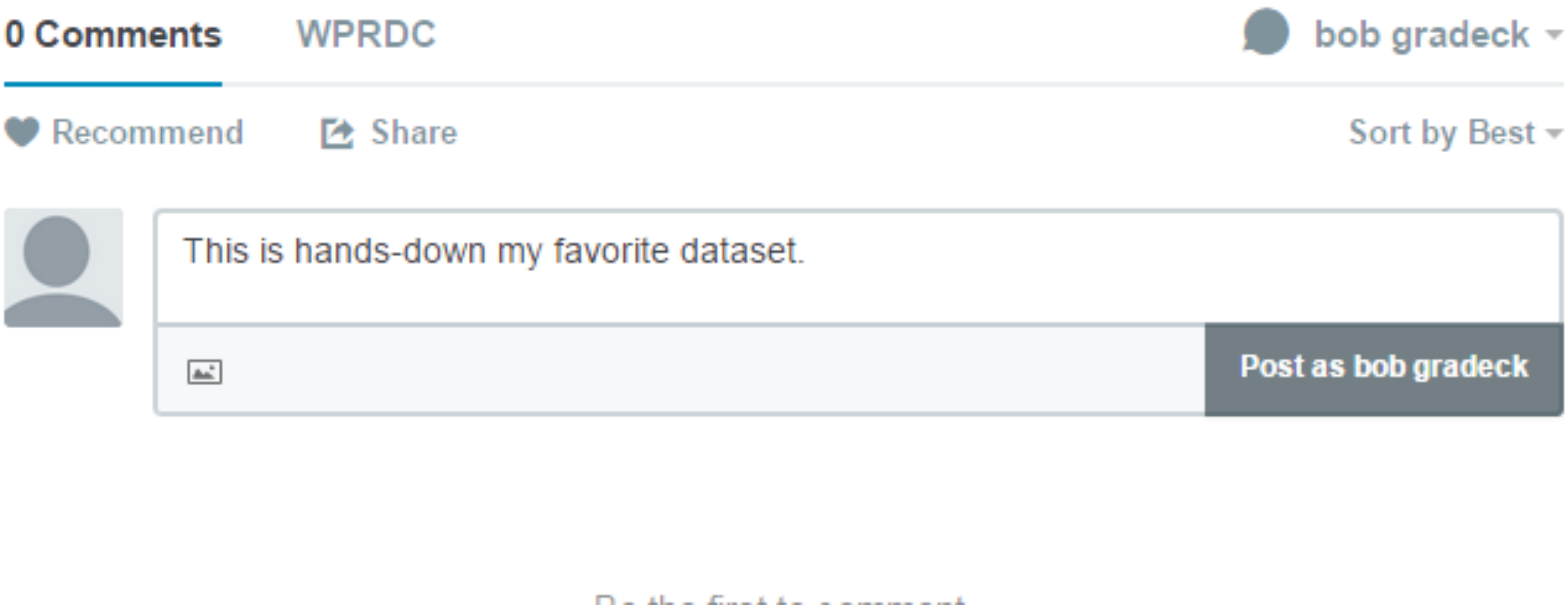
- Using data as a basis for shared conversation
- Rotating topics
- Open to everyone

Data User Guides

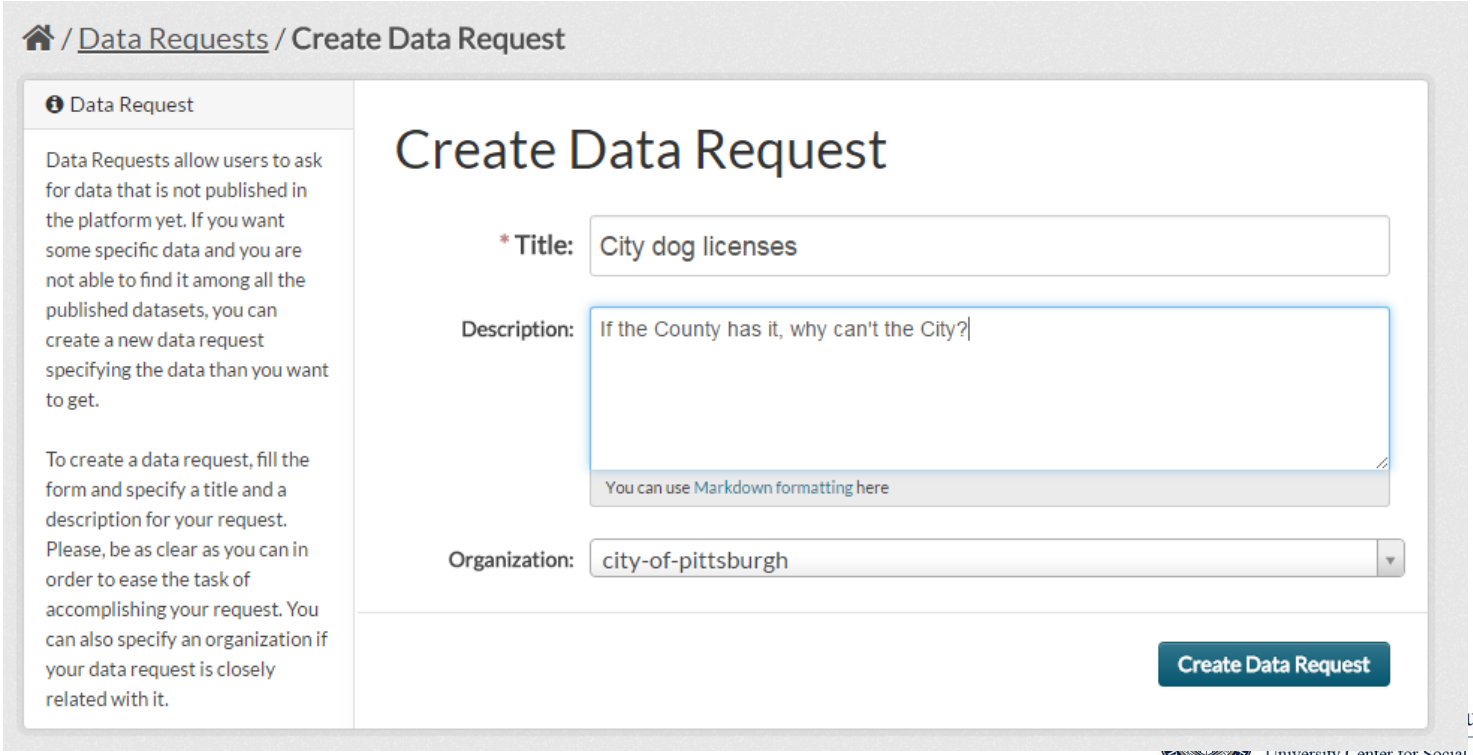


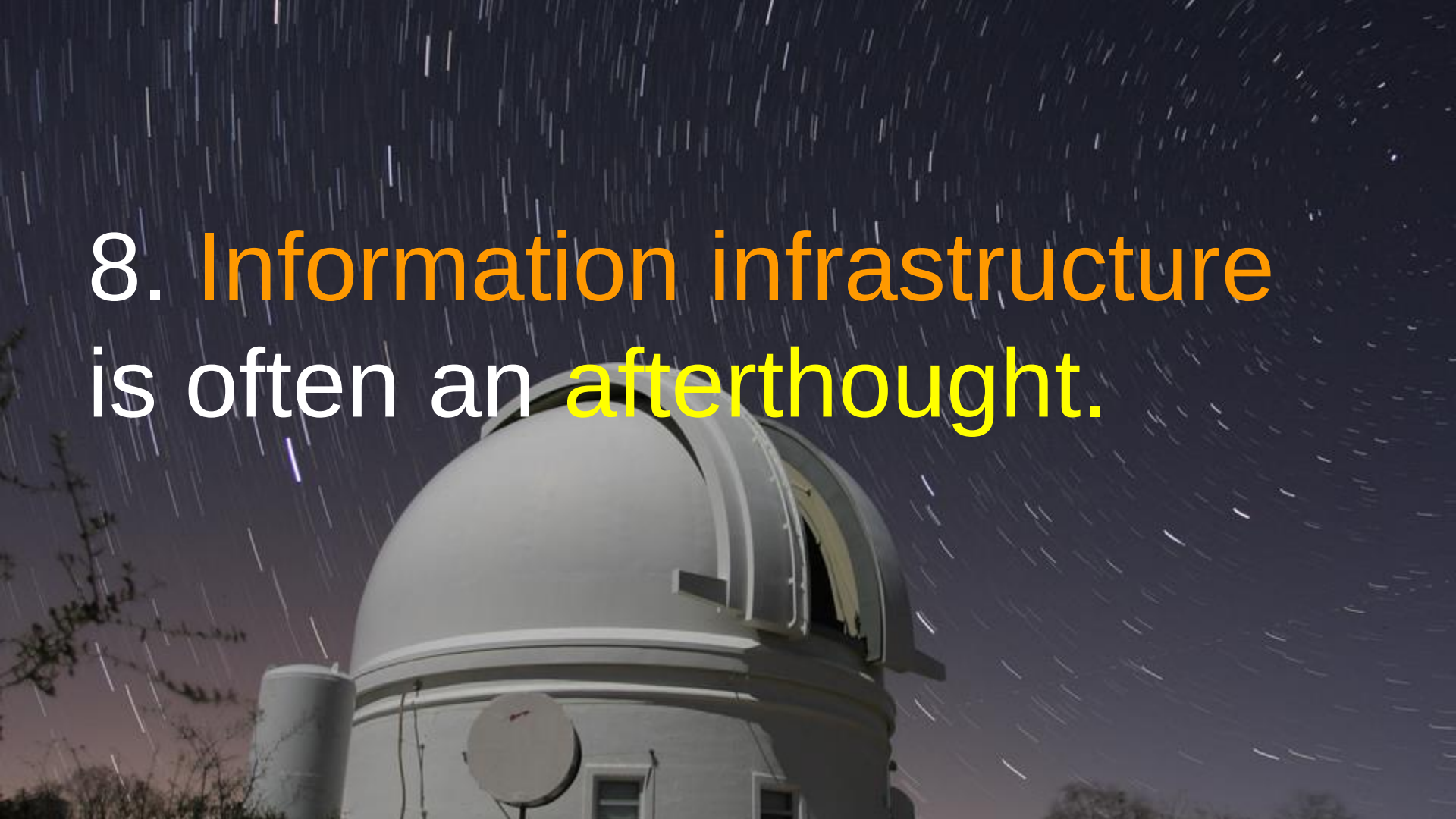


Feedback Mechanisms



Make it Easier to Request Data




8. Information infrastructure
is often an afterthought.

Technology Infrastructure

- Open Data Portal
- Community Profiles

Allegheny County Property Assessments

Followers

1

Follow

Organization

Allegheny County

Allegheny County, in the heart of southwestern Pennsylvania, encompasses 130 municipalities; its county seat is the City of Pittsburgh. With a land area of 745 square miles,... read more

Dataset | Groups | Activity Stream | Related | Manage

PRIVATE

Allegheny County Property Assessments

Real Property parcel characteristics for Allegheny County, PA. Includes information pertaining to land, values, sales, abatements, and building characteristics (if residential) by parcel. Excludes name and contact information for owners, buyers and sellers.

Data and Resources

2015-10 Property Assessments Parcel Data Property Assessment Parcel Data as of 10/13/2015 (production data from...	Explore
2015-09 Property Assessments Property Assessment Parcel Data	Explore
Property Assessment Data Dictionary Description of the data in the property assessment file.	Explore
Property Assessment Data Dictionary Description of the data in the property assessment file.	Explore
County Real Estate Portal Search Page Allegheny County's online real estate search application.	Explore

assessment parcel property property value real estate real property taxes

Metadata Information

sburgh
cial & Urban Research (UCSUR)

2015-09 Property Assessments

Manage | Go to resource | Data API

URL: https://data.wprdc.org/dataset/2b3df818-601e-4f06-b150-643557229491/resource/a4aea5da-ea39-4a74-81b0-a782a..

Property Assessment Parcel Data

Data Explorer

Embed

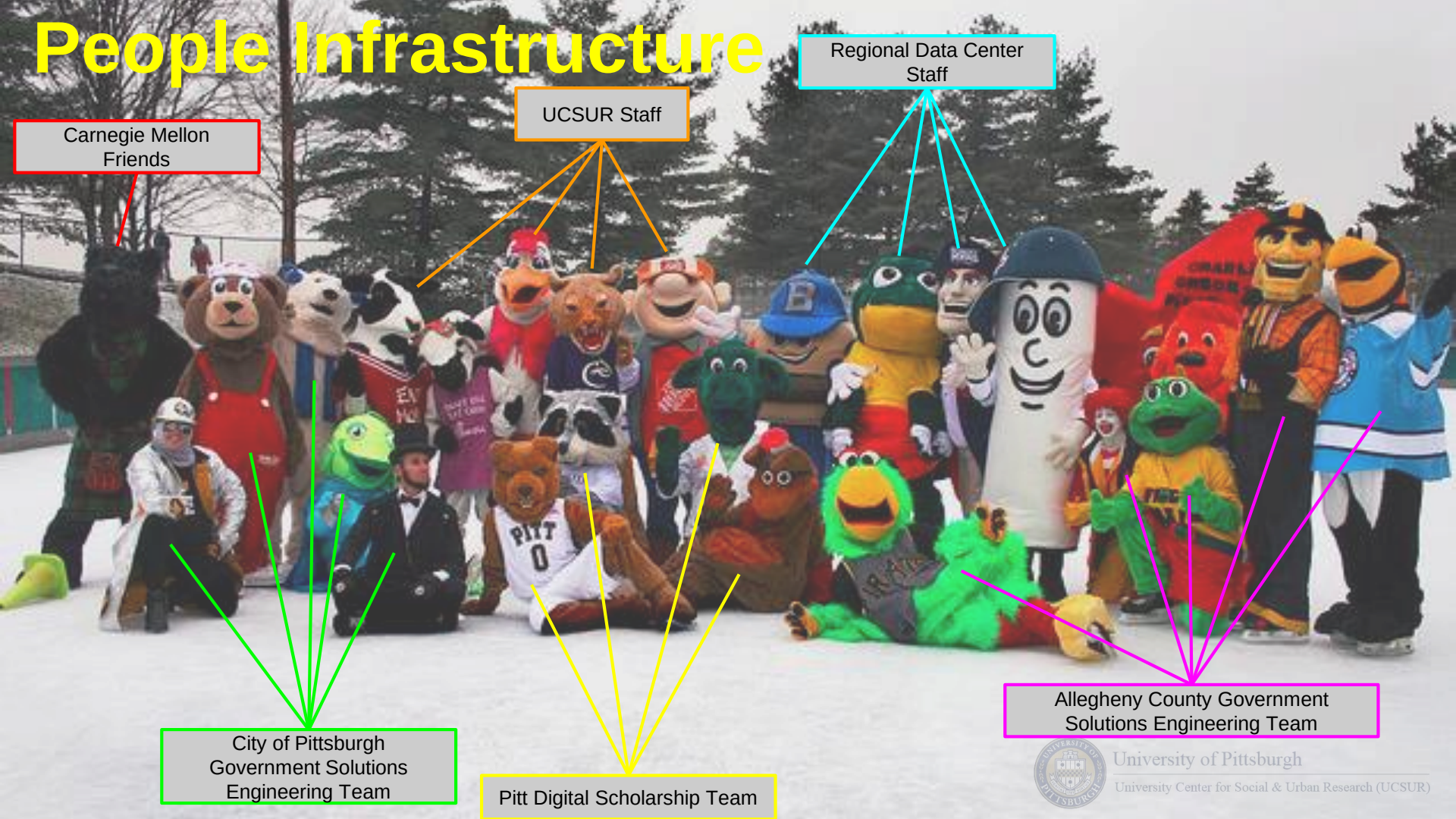
Add Filter

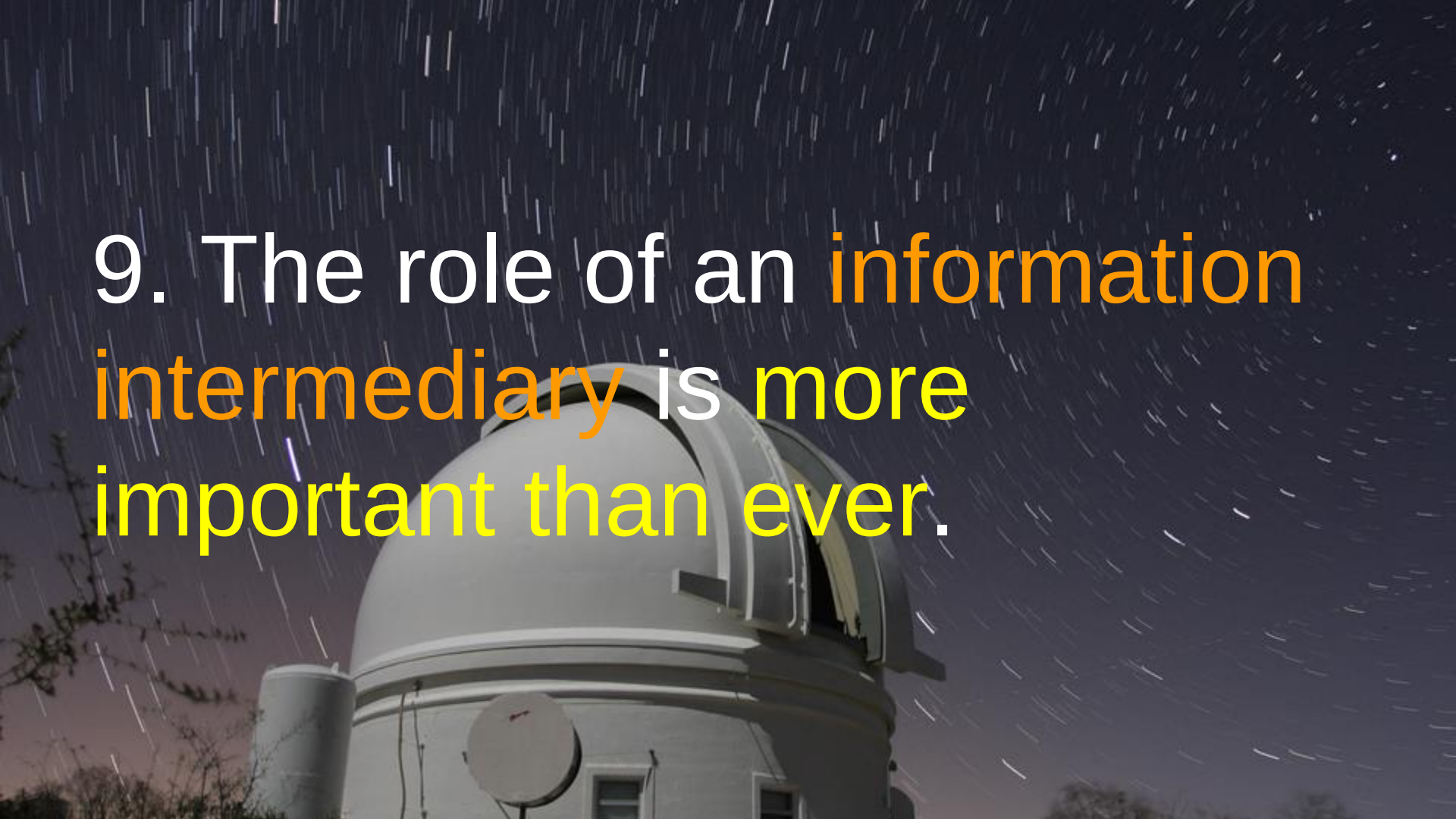
Grid | Graph | Map | 1000 records | « 1 – 100 » | Search data ... | Go » | Filters

_id	PARID	PROPE...	PROPE...	PROPE...	PROPE...	PROPE...	PROPE...	PROPE...	MUNIC...	MUNIDE...
1	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 903	15222	101	1st War...
2	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 904	15222	101	1st War...
3	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1002	15222	101	1st War...
4	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1003	15222	101	1st War...
5	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1101	15222	101	1st War...
6	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1103	15222	101	1st War...
7	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1104	15222	101	1st War...
8	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1201	15222	101	1st War...
9	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1203	15222	101	1st War...
10	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1401	15222	101	1st War...
11	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1402	15222	101	1st War...
12	0001H0...	300		4TH AVE	PITTSB...	PA	UNIT 1403	15222	101	1st War...

Legal Infrastructure

People Infrastructure




9. The role of an information intermediary is more important than ever.

NNIP

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