

Interagency Data Team

June 25, 2020

<https://octo.dc.gov/node/1310836>



INTERAGENCY DATA TEAM
COORDINATE, ANALYZE, SHARE
data.dc.gov



Open
Data DC

Agenda



Welcome, News & Updates

Barney Krucoff, Chief Data Officer (OCTO)

Michael Bentivegna, Program Manager for Data Visualization & Analysis (OCTO)



Data Use Agreement for OCTO & Agency Collaboration

Matthew Sokol, Big Data & Data Integration Program Manager (OCTO)

Smruti Radkar, General Counsel (OCTO)



COVID-19 Tracking Metrics & Phase Openings with ReOpen DC Dashboard

Tashrik, Ahmed, COVID-19 Epidemiologist (DC Health)

Michael Bentivegna, Data Visualization and Analysis Program Manager (OCTO)



Web Map Visualizations in Tableau Using Esri Feature Services

Elena Semenova, Senior Business & Data Analyst (OCTO)



Data Report & COVID-19 Priority Datasets

Mario Field, Data Curation & Governance Program Manager (OCTO)

Welcome

Barney Krucoff
Chief Data Officer
Office of the Chief Technology Officer

Business Intelligence - Tableau Updates



**Tableau
Internal
Production**
2020.1.2

OCTO
COVID Response
Dashboards:

District Gov. & OCTO
Operation
HSEMA Daily Brief

HSEMA Recovery



**Tableau Public
Production**
2020.1.3

9 Agency
websites in
production with
~76 embedded
Tableau
Reports/
Dashboards



**Tableau
Test/Dev**
2019.2.4

MicroStrategy
as a web
connector

SharePoint list
testing with
MFA



**Tableau Site
Administrator
quarterly
meeting**

Next meeting:
est. July 9, 2020

Business Intelligence - MicroStrategy Updates



**MicroStrategy
Production @
version 2020
Update 1**



**Lower
MicroStrategy
Environments
2020 Update 1**

**Enterprise/Self
Service**

**Deploying
physical IS server
for development**



**MicroStrategy
Public/SharePoint**

**COVID19 public
dashboard live**

<https://coronavirus.dc.gov/page/coronavirus-data>

DC Reopen Tracker

Coronavirus Stats



**MicroStrategy
Stake Holders
Meeting**

**Next meeting will
be scheduled in
est. late Summer
2020**

Geographic Information Systems - DC GIS



**ArcGIS Server
Production @**
version 10.7.1
(upgraded from
10.6.1 on June 19th,
2020)

ESRI Desktop
License Manager
supports 10.8 and
below.



ArcGIS Portal @
version 10.7.1

AGOL
Users: [Coronavirus
Data Hub Site](#)

New secure COVID
service
REST website:
[https://em.dcgis.d
c.gov/dcgis/rest](https://em.dcgis.dc.gov/dcgis/rest)



**Streaming
services**

ESRI
GeoEvent Internal
10.6.1 External
10.7.1

Apache Kafka DSP
Streaming data



Data

FY20 Spring LiDAR
project delayed due
to COVID-19. Flight
is planned for this
week.

InfoUSA business
data has been
helpful with COVID
response.
[https://octo.in.dc.go
v/node/40081](https://octo.in.dc.gov/node/40081)

Big Data and Data Integration Updates



Current and Upcoming Big Data Projects:

- DCPS Attendance Data
- DDOT Dockless Trips Data
- DFHV TNC Data Analysis



COVID-19 Response

- **Mobility Data** from multiple providers – **11 Billion Records**
- AWS Connect **Call Center** – **DHS, DCHR, DOH**
- BarCloud **PPE Inventory** – Inventory (Assets and Stock), Issued, Movement

GIS & Data Science User Groups

GIS – July 23rd (Via WebEx)
contact Eva.Reid@dc.gov

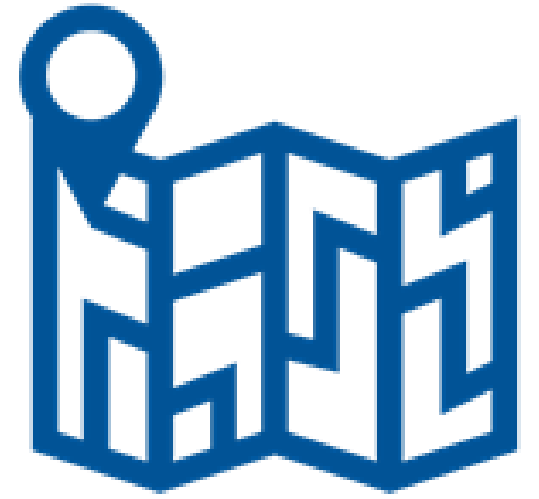
Topics:

- *ESRI Conference Roundup
- *[Open Slot for presentation]

Data Science @ DC

Next Meeting: July 18th *via MS Teams
or WebEx*

Tomash.Bukowiecki1@dc.gov





Virtual Tableau Training

Introductory class

July 16 and 17

Intermediate class

July 23 and 24



<https://octo.in.dc.gov/service/tableau-training-courses>



MicroStrategy Training

Introductory training

- Virtual training class will be made available when possible

Architect/Developer training

- Next training in late summer
- By invitation only



<https://octo.in.dc.gov/service/microstrategy-introductory-training>



GIS Training

DCHR has cancelled all in person classes.

Some direct **virtual training** will be available to staff on a **limited basis**.

Some online courses available via **ESRI Training Portal** to employees with ArcGIS Online access. For recommendations, please contact Eva.Reid@dc.gov



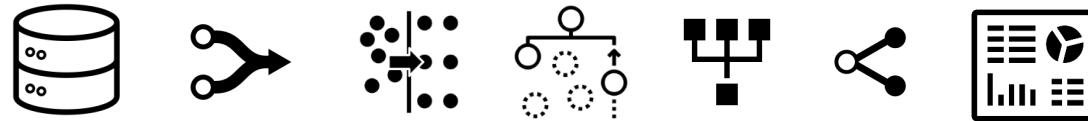
Free to all DC Staff

Register using DC ArcGIS Online or DC email account

Contact Eva.Reid@dc.gov with questions

Data Use Agreement

Making Sharing and Using Data easier since 2020!



Matthew Sokol

Big Data & Data Integration Program Manager
Office of the Chief Technology Officer (OCTO)

When Needed

If Data is Classified as...

- ☐ Level 0 Data
- ☐ Level 1 & Level 2 [Routine Data]
- ☐ Level 1 & Level 2 [Non-Routine Data Sharing]
- ☐ Level 3 & Level 4 Data

Then...

- ☐ No DUA Needed
- ☐ No DUA Needed
- ☐ Agency & OCTO Review to Determine if DUA is Needed
- ☐ DUA Needed

The Goals

1. Multi-Lateral agreements
2. Define the Roles of all Parties to the agreement
3. Automate workflow and changes
4. Incorporate EDI
5. Streamline and speed up execution of agreements
6. Define Data Use, Misuse, Protections, Security

Multi-Lateral

- Agreement is designed to be executed among:
 - Multiple DC Agencies
 - Third Parties such as Universities, Non-Profits, COGs

Defining Roles

- Agreement creates three roles:
 - Data Provider – supplies datasets, determines access, defines extended retention beyond project
 - Data Receivers – defines scope of project, requests datasets, performs analysis
 - Facilitator Agency – Usually OCTO, provides technology for storage, ingestion, network, and security (e.g. Data Lake, Tableau, DCGov Network)

Defining Roles

- Agreement also defines users:
 - Authorized User – user that has access to look at and work with datasets after signing a Data Confidentiality Agreement
 - Data Custodian – user appointed by Data Provider and Data Receivers to:
 - Establish and maintain Authorized Users
 - Add datasets to the agreement within certain Data Classification levels per the DC Data Policy (e.g. Level 0 through Level 2, but not Level 3 or above)
 - Coordinate between parties

Automate Workflows

- Create an application to automate the population and execution of the agreement
- Captures project scope, datasets, parties, users and terms
- Uses existing information about agencies and datasets
- Creates a completed template for signatures
- Passes the agreement back and forth between parties

Incorporate EDI

- Enterprise Dataset Inventory will be the source of all available datasets for use in a project
- Provides an avenue to get additional datasets not part of the EDI to be added to the EDI before executing
- Populates agreement template with information about a dataset from the EDI – Agency, Classification, Sensitivity Flag

Defines Data....

- Data Use – What’s the scope of use for the data
- Data Misuse and Unauthorized Disclosure – What can’t we use the data for and what happens if there is a data breach or authorized disclosure
- Data Protection – What are we doing to protect and secure the data and respond to breaches
- Data Classifications – per the DC Data Policy

Other items of note

- Disposition of Data – Defines the terms of data retention or deletion by Data Provider or extension of access to Data Receivers
- Use of data and analysis for validation or publication – Define terms for providing datasets or derivative analysis to third parties for validation of results or publication of results with consent by all parties
- Applicable Law – Defines applicable DC or US Gov statutes around PII data (e.g. HIPAA, FERPA – sensitivity flag from EDI)

Tracking Metrics & Phases with ReOpen DC Dashboard

Tashrik Ahmed
COVID-19 Epidemiologist
DC Health

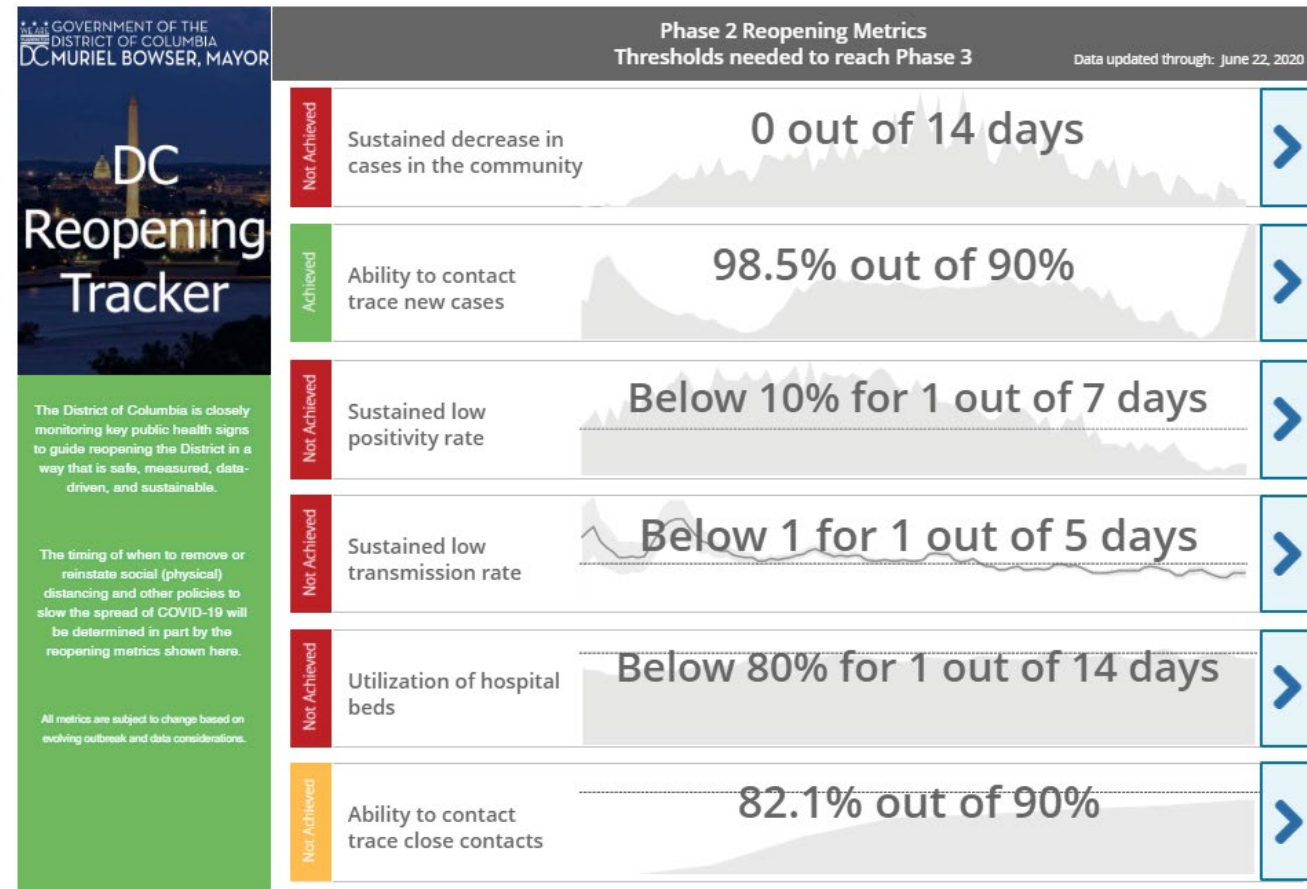
Michael Bentivegna
Program Manager for Data Visualization and Analysis
Office of the Chief Technology Officer

<https://coronavirus.dc.gov/page/coronavirus-data>

Phase 2 Reopening

The District of Columbia is closely monitoring key public health signs to guide reopening the District in a way that is safe, measured, data-driven, and sustainable.

The timing of when to remove or reinstate social (physical) distancing and other policies to slow the spread of COVID-19 will be determined in part by the reopening metrics shown here.



<https://coronavirus.dc.gov/page/coronavirus-data>

Web Maps in Tableau Workbooks with Esri

Elena Semenova

Senior Business and Data Analyst
Office of the Chief Technology Officer

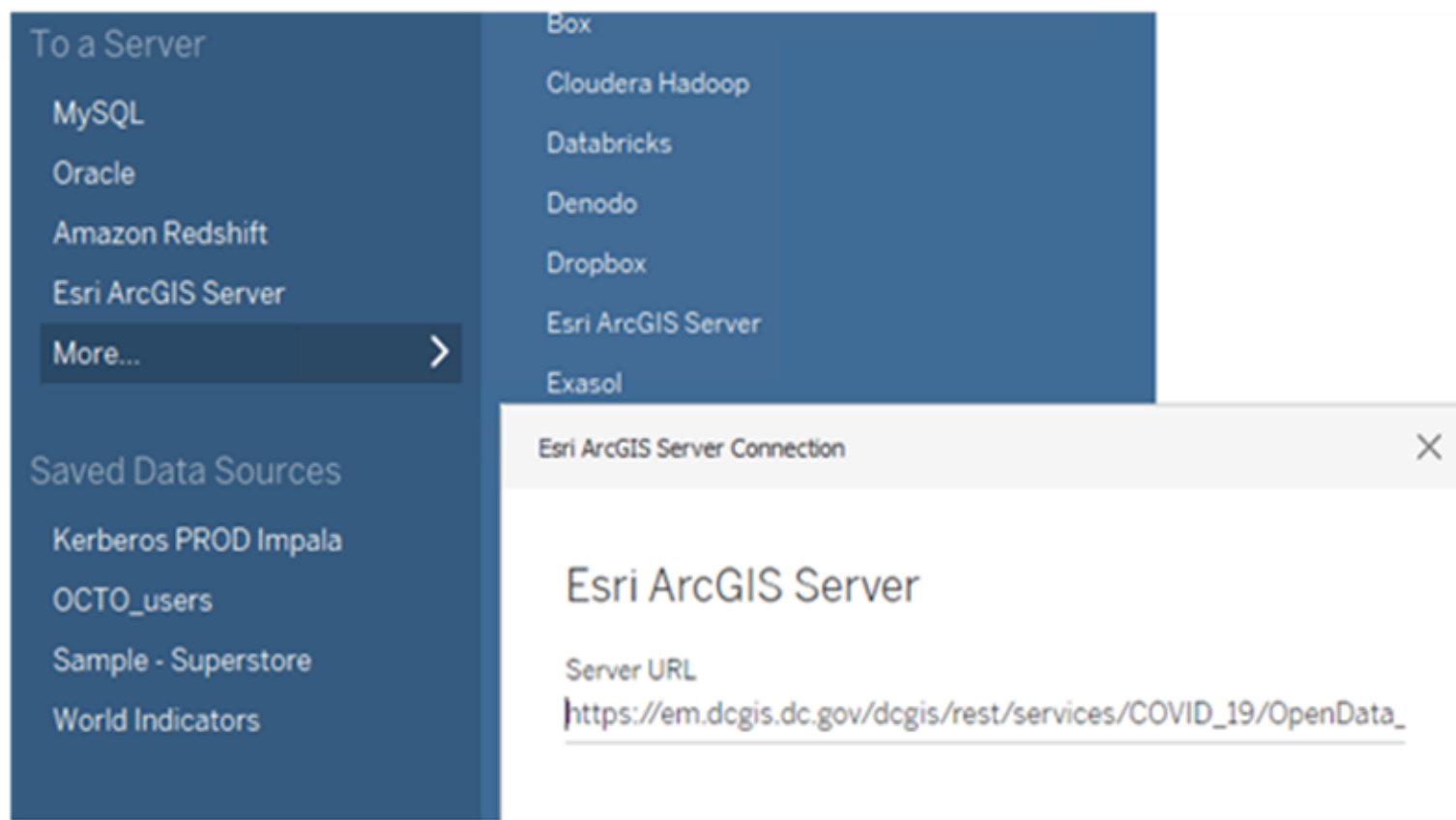
Connect to ArcGIS Feature Service in Tableau Desktop versions 2019.4.x - 2020.1.x using Web Data Connector



- ☐ Tableau Desktop 2019.4 – 2020.1.x
- ☐ Server Extract Refresh is not enabled
- ☐ ArcGIS service sharing level must be set to Everyone (public)

Web Data Connector: <https://connectors.tableau.com/esri/arcgis-server/1/arcgis-server.html>

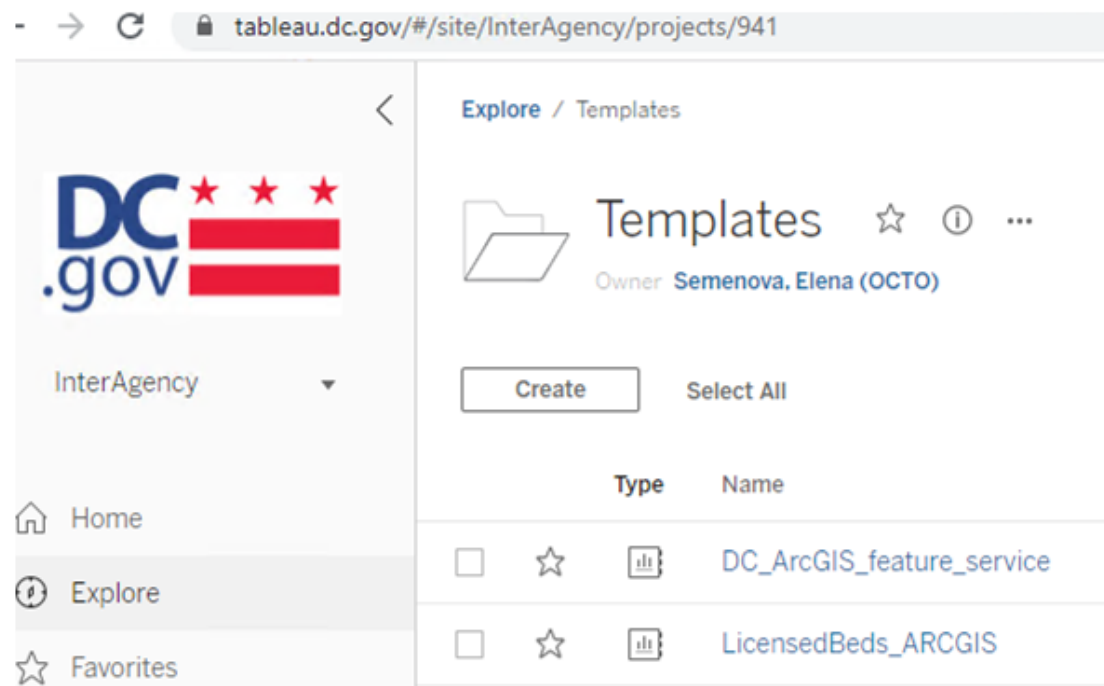
Built-in ESRI ArcGIS Service connector in versions 2020.2.x



- ☐ Tableau Desktop 2020.1.0 and up
- ☐ Server Extract Refresh will be available after Tableau Server upgrade to version 2020.2.x (x>1)
- ☐ ArcGIS service sharing level must be set to Everyone (public)

Usage

- ❑ Connect directly to your Esri ArcGIS Server/Online feature data.
 - Use ArcGIS Server URL or GeoService API URL
- ❑ Connect directly to spatial data in database.
 - SQL Server, Oracle, PostgreSQL, and Greenplum
- ❑ Analyze with other data in Tableau



<https://tableau.dc.gov/#/site/InterAgency/projects/941>

Data Report

Mario Field
Data Curation Program Manager
Office of the Chief Technology Officer

New Datasets

- Health Planning Neighborhood
- Health Planning Neighborhood Census Tract
- Main Street Subgrant
- Parking Zone
- Restricted Dockless Zone

- All available at opendata.dc.gov
- Published since last meeting, 4/23/20
- Contributors: DC Health, OCTO, DDOT

Updated Data

- Bank
- Camera Enforcement
- Credit Union
- Grocery Store
- Moving Violation
- Notary Public
- Parking Violation
- Pharmacy
- Recycling Pickup Day
- Small Business Robust Retail Grant
- Trash Pickup Day

Corona Virus Data - Examples

- BarCloud PPE Inventory Stock Movement
- Corona Virus Overall Numbers
- DCPS Daily Meal Distribution (EM GIS Server)
- WebEOC Resource Request Line Item
- WebEOC Resource Request
- First Responder and Safe Workplace Supply



Questions?

Thank you for joining. For notes and presentation material visit:

<https://octo.dc.gov/page/interagency-data-team>
Presentation and Notes Materials

<https://opendata.dc.gov>