Automating Field Data Management – Heat Season 2019

Nov 20, 2019

NYC Emergency Management

OEM

Background
NYCEM GIS Mission

To support the decision making processes of NYC emergency management and its partners by producing reliable location-based information through the integration, analysis, and visualization of essential data distributed in the form of maps, datasets, summary metrics, and associated applications.

NYC Emergency Management

Background
Heat Season

June - September

Heat Emergency Plan
   Cooling Centers

Key Players

Background

Previous Workflow

Agency points of contact → **Email** → Human Services

Human Services ↓ **Email**

GIS

↓ **Manual update**

GIS Database

↓ **CSV** ↘

Summary email   Cooling Center Finder

NYC Emergency Management
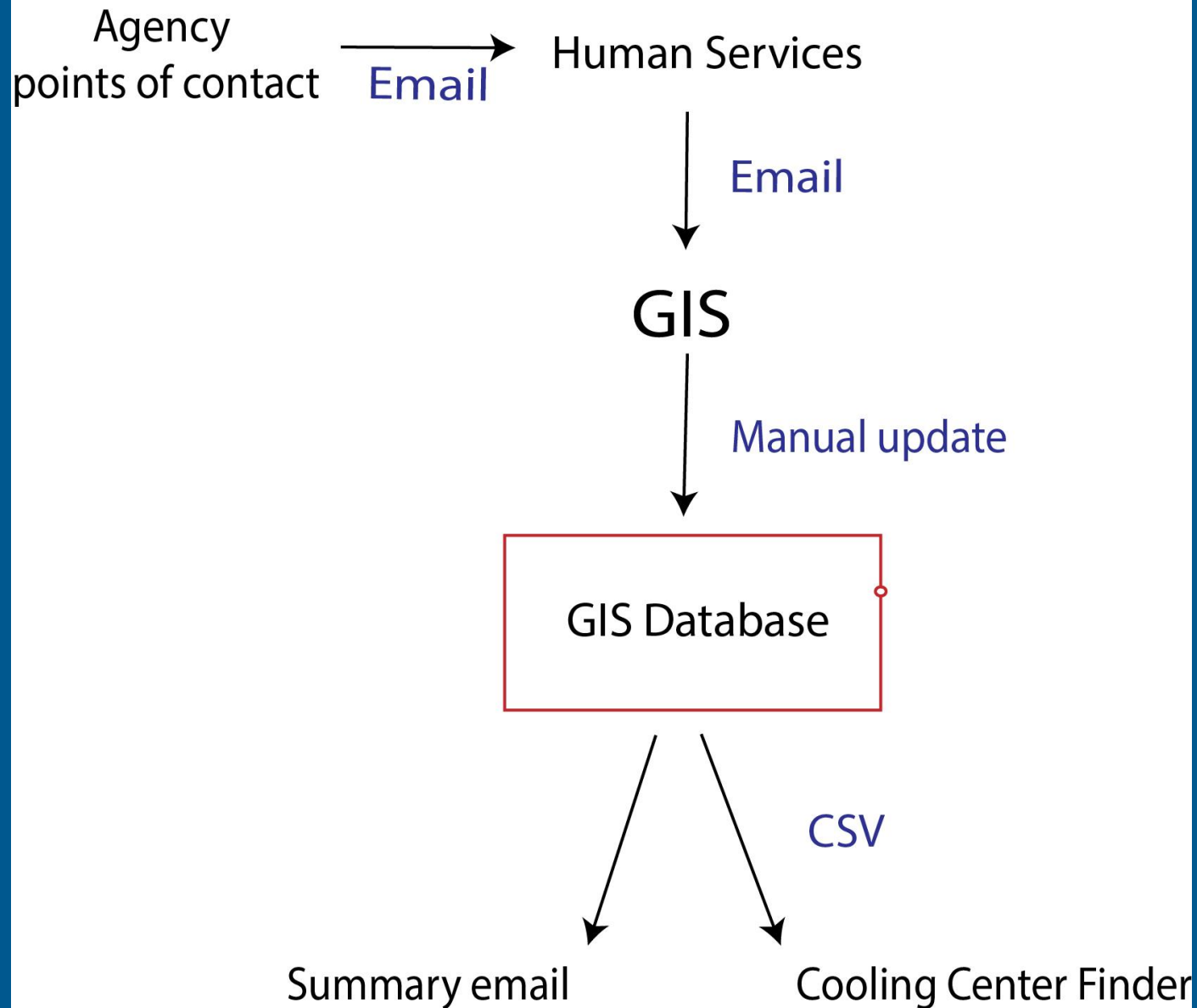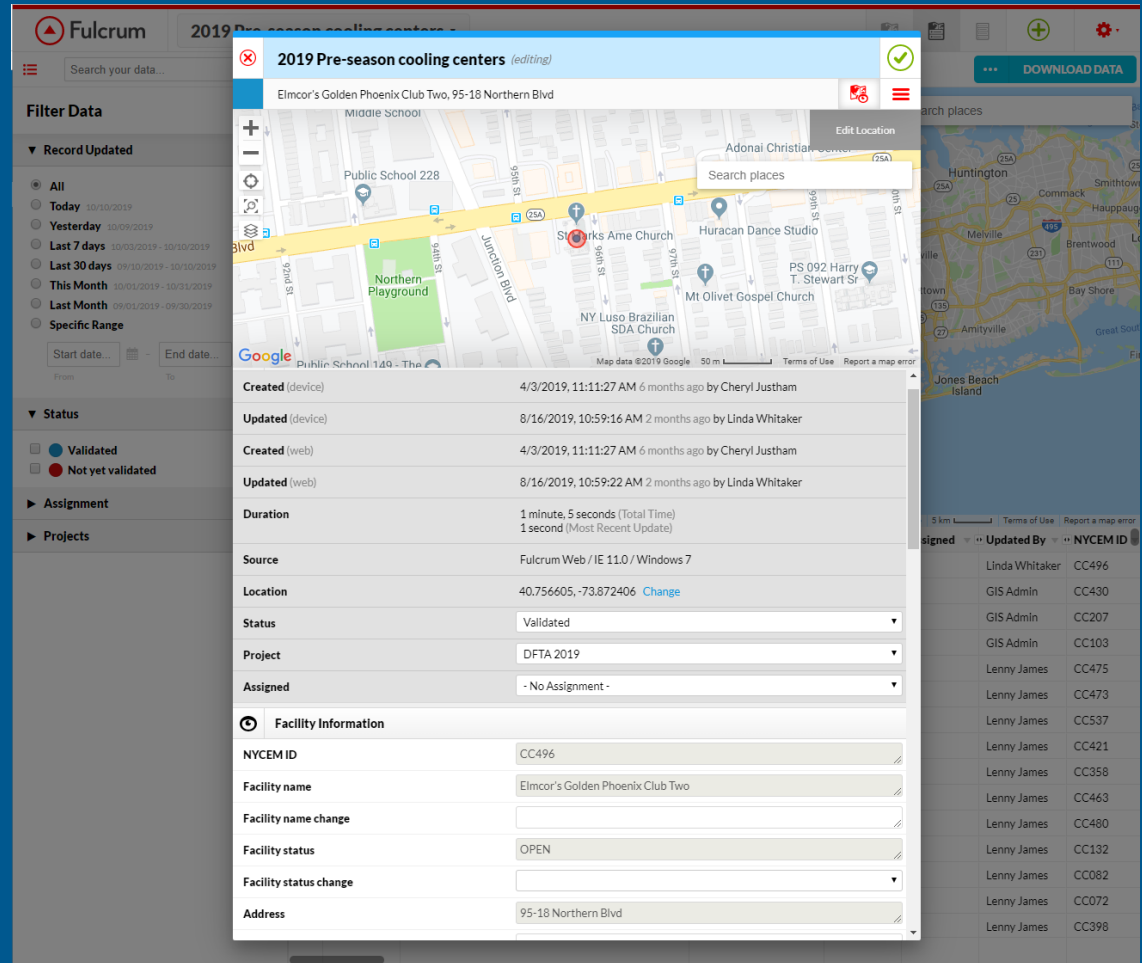
Fulcrum

Pre-season Application

- GIS uploaded last year's list of cooling centers on Fulcrum

- Partner agencies reviewed information in the beginning of the season

- Downloaded data and set up in database

Fulcrum
Activation Application

Fulcrum
Activation Application

Partner agencies entered changes of cooling center hours at the start and throughout the activation

	Special hours changes by date and day of week - Leave as-is if hours are not changing	
Regular hours	M - F 9a-5p	
Date for Monday special hours *	07/22/2019	✕ ⬍ ▼ ⓘ
Monday hours	CLOSED	ⓘ
Date for Tuesday special hours *	07/23/2019	ⓘ
Tuesday hours	9a-3p	ⓘ
Date for Wednesday special hours *	07/24/2019	ⓘ
Wednesday hours	9a-3p	ⓘ

Current Workflow

Agency points of contact

Fulcrum form

UPDATE SCRIPT
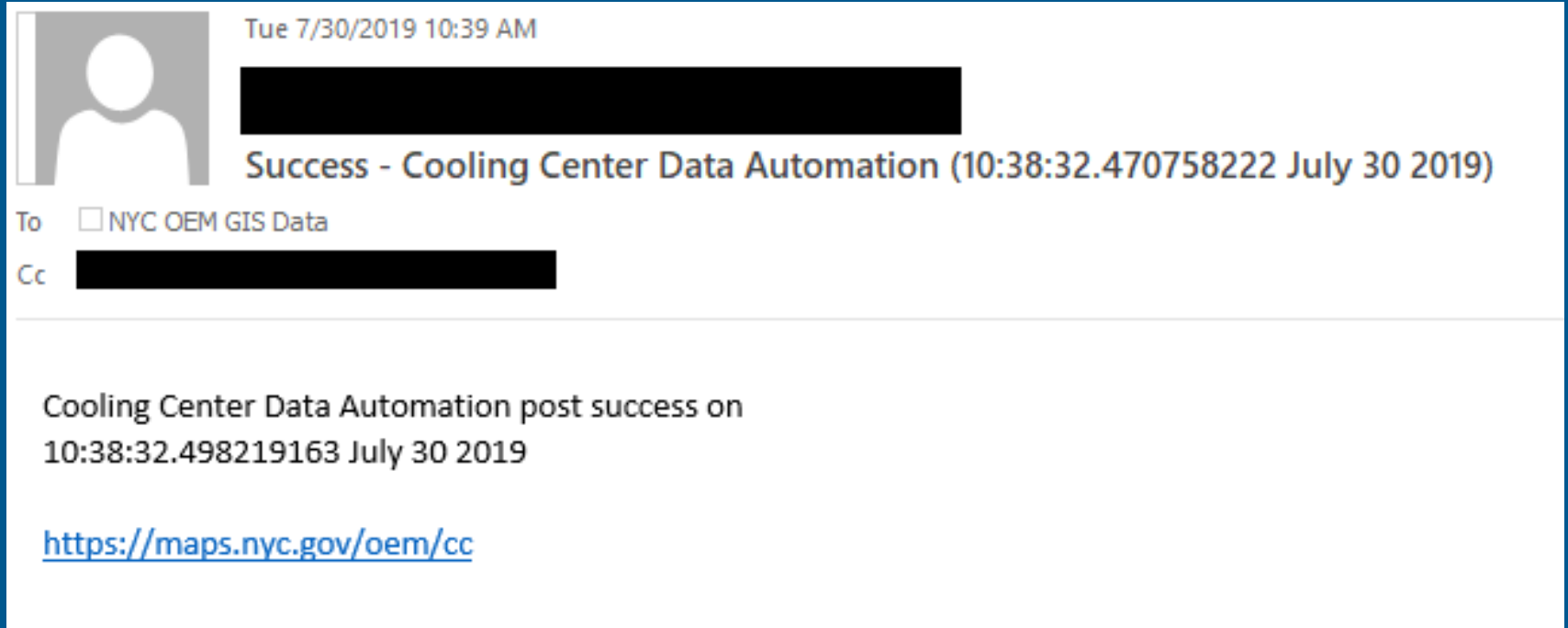
NYCEM

GIS Database

NYCEM dashboard

Collector application

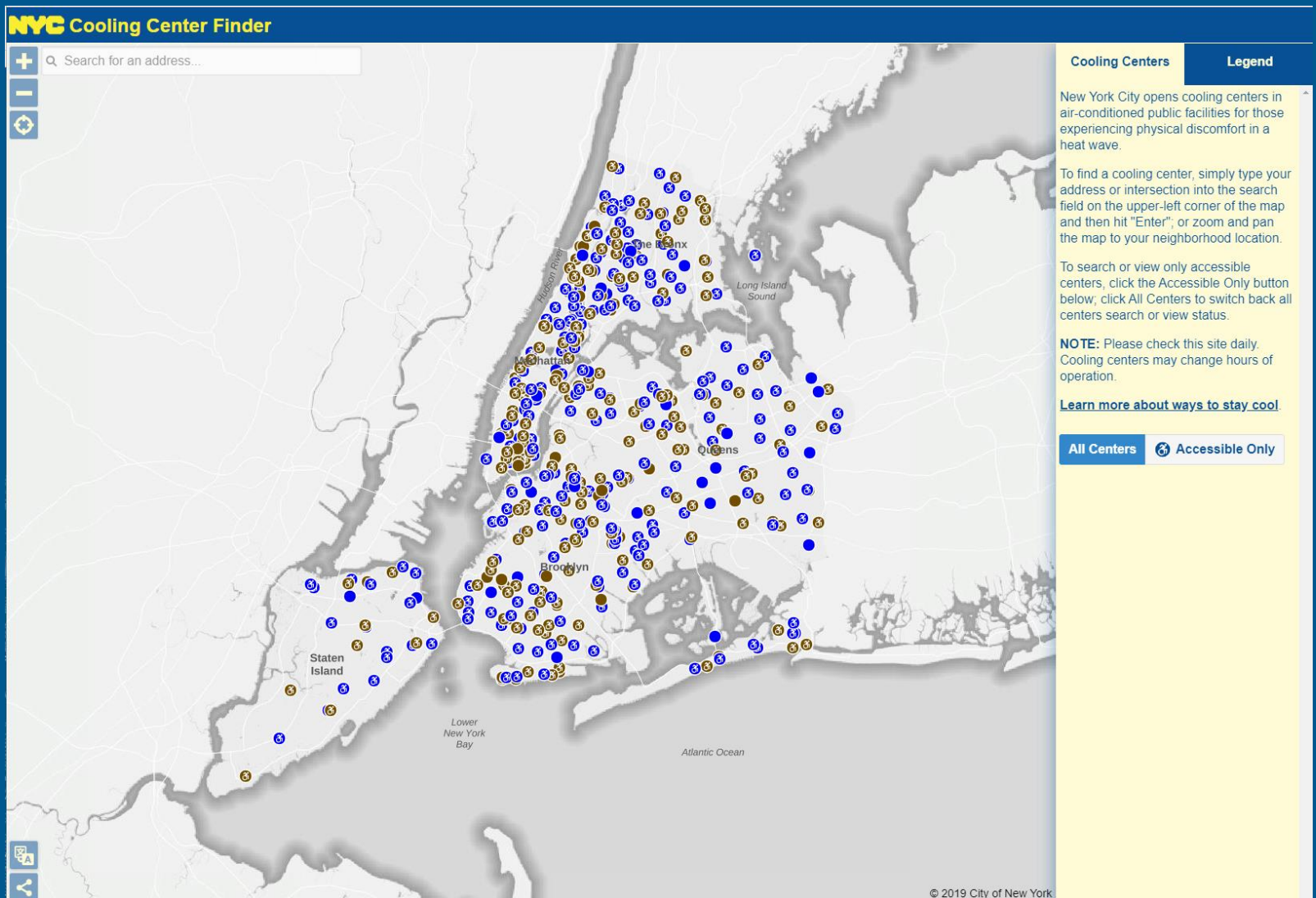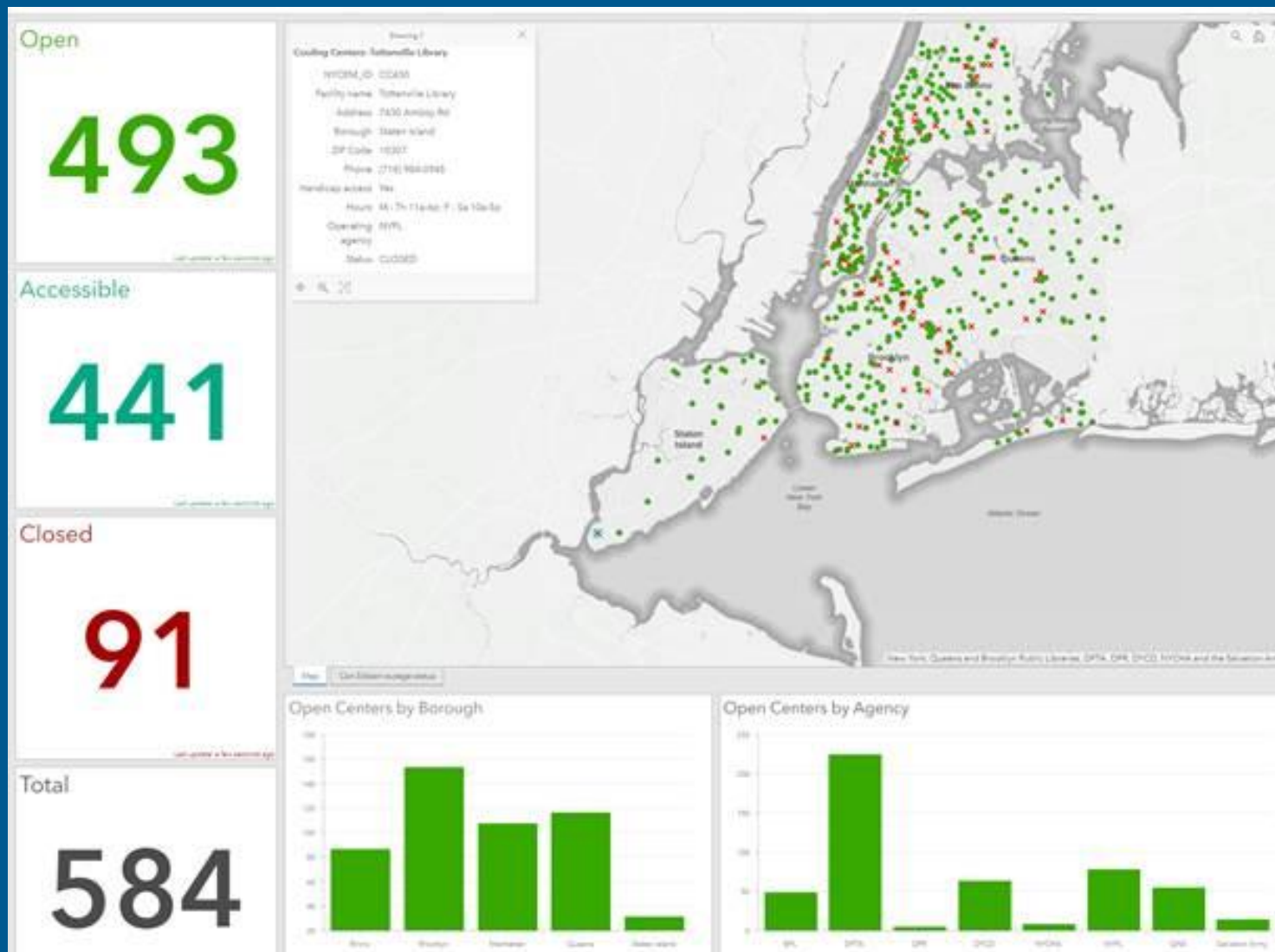UPDATE SCRIPT

Cooling Center Finder
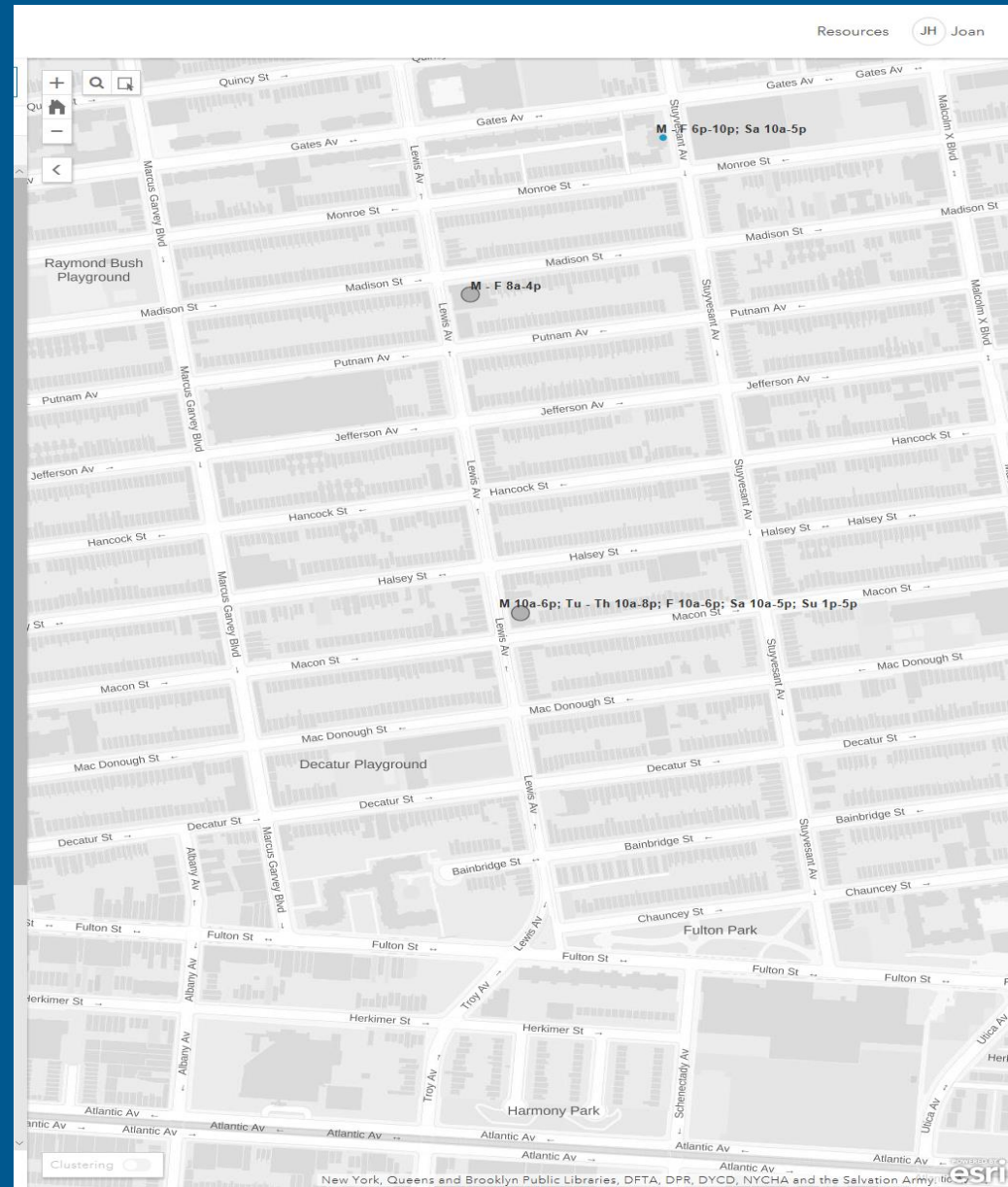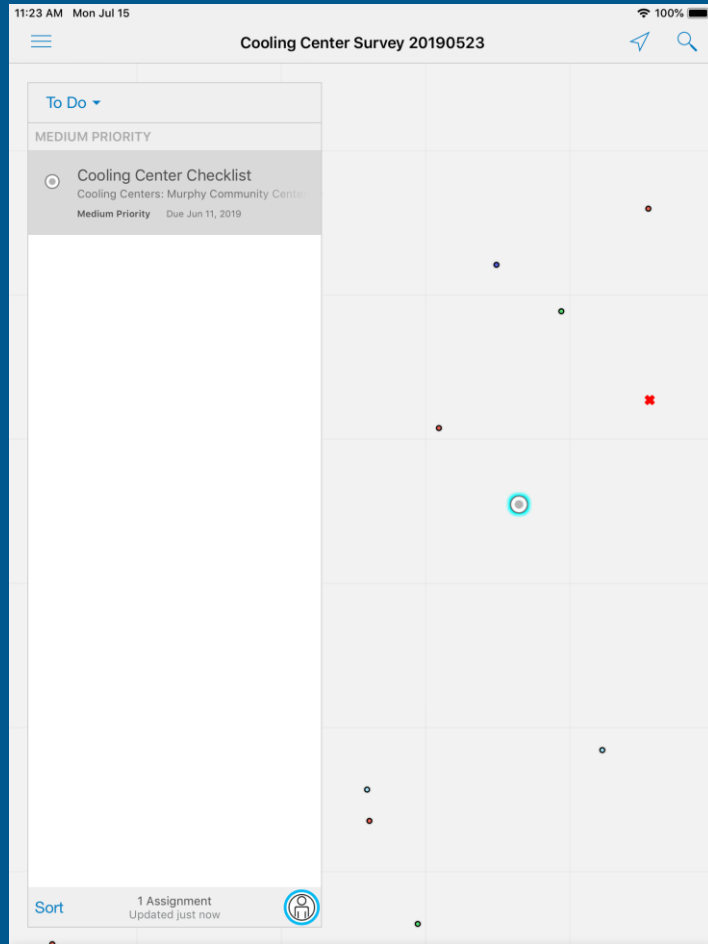
Output
GIS team

Output
Cooling Center Finder

Output
ArcGIS Online dashboard for NYCEM

NYC Emergency Management

ArcGIS Collector and Workforce
NYCEM Site Visits

Lesson Learned

- Fulcrum licenses

- System based on partner parameters

- More specific data questions

Coming Soon…

- Refining backend process

- Accessibility on Finder

- Analysis and field collection tools

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QUESTIONS?
yhiguchi@oem.nyc.gov

Stay**COOL**