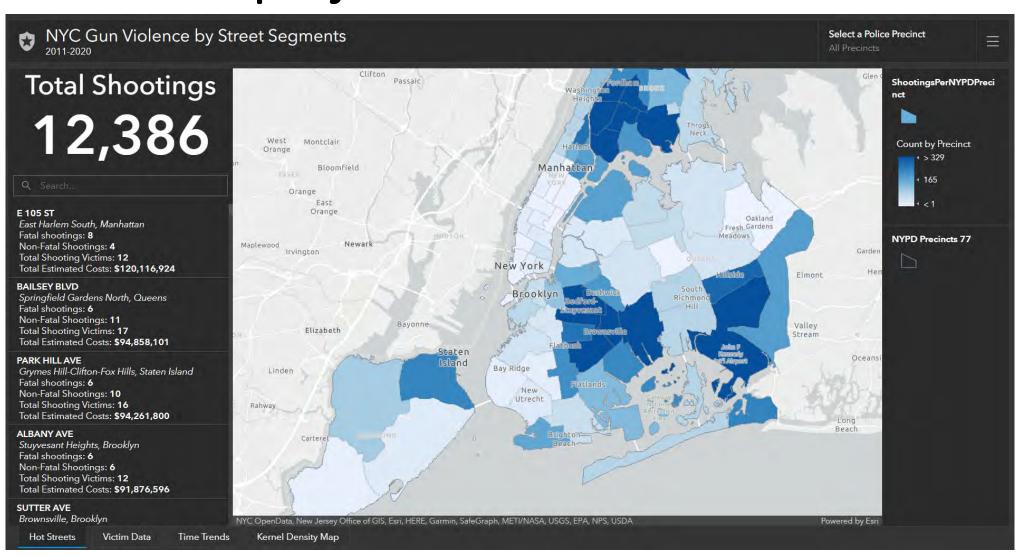
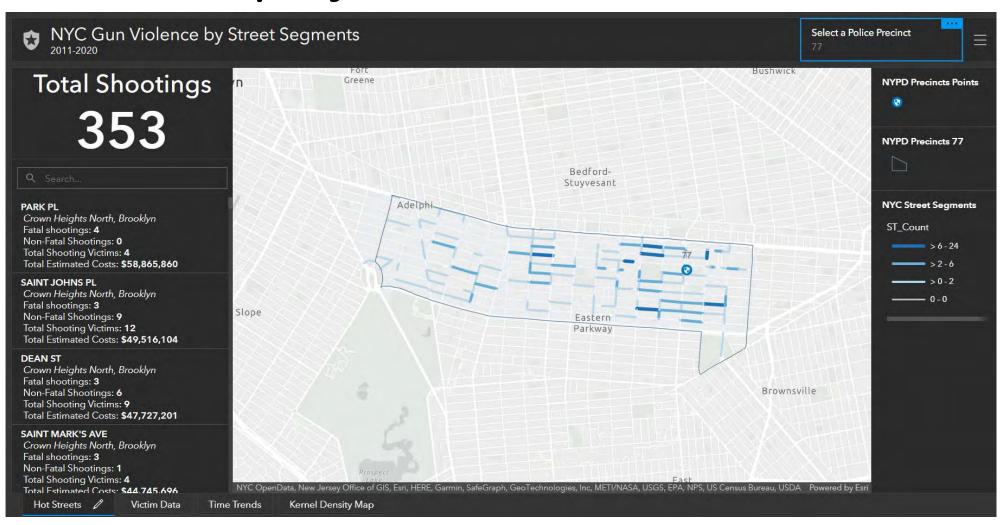
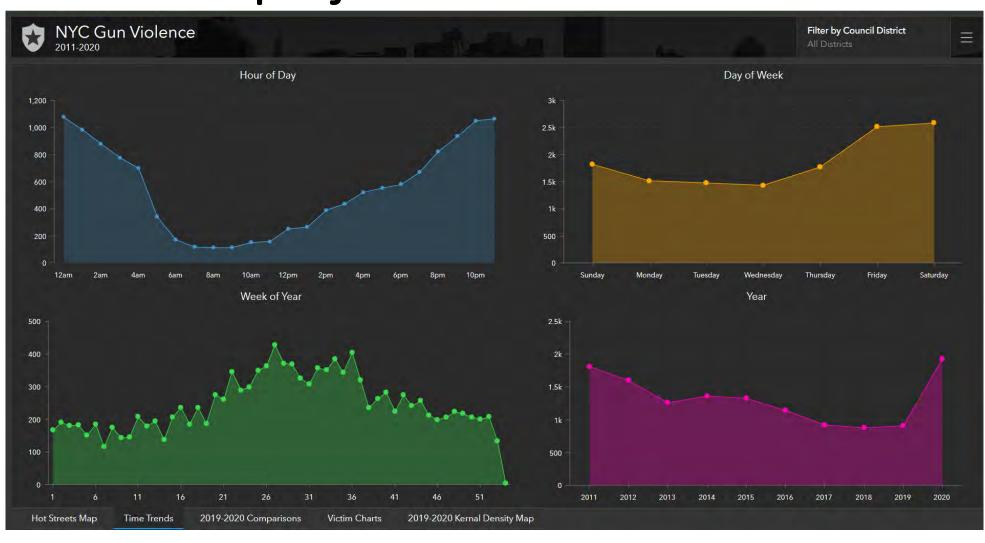
How to Create Your Own Crime ArcGIS Gun Violence Dashboard

Dr. Christopher Herrmann, John Jay College of Criminal Justice

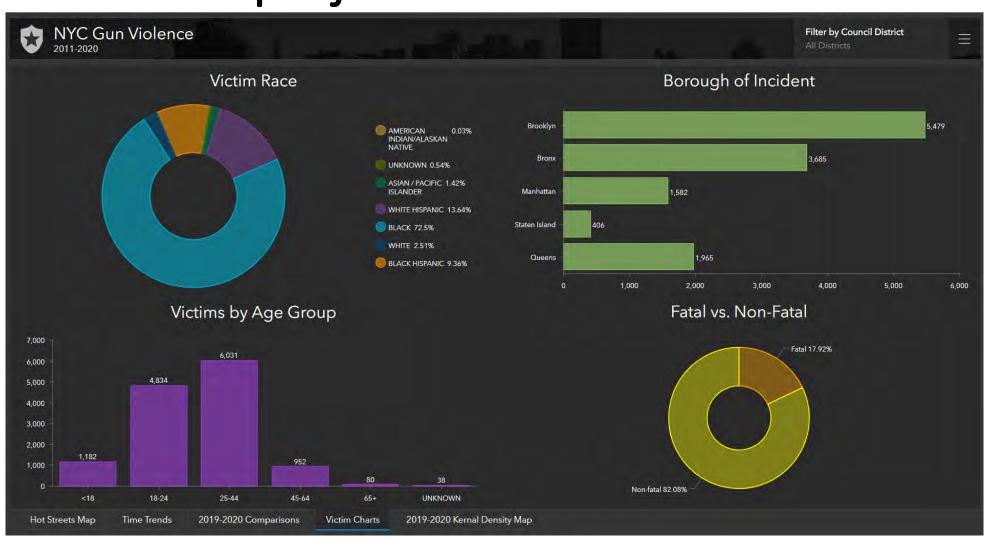
Hayley Miller, Esri Sr. Solution Engineer

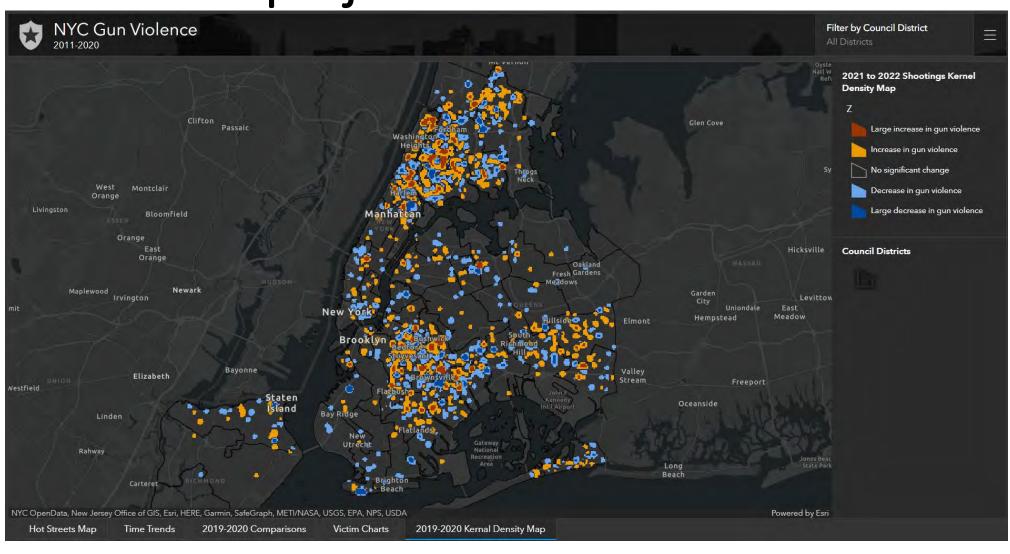












ArcGIS Dashboards



92 494 604 €

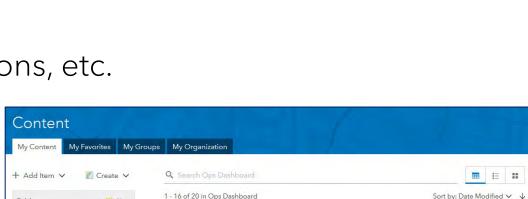
- Monitor assets, events, or activities for 'at-a-glance' decision making
 - Provides key insights to your data on a single screen
 - Includes many data visualization elements
- Configurable user experience, no programming
- Web browser-based app
 - Works on desktops, tablets, and smart phones
- Integrated with ArcGIS Online and ArcGIS Enterprise (10.6 and later)



25 934 558 €

Dashboard Item

- Brings data together in a single display
- Composed of elements
 - E.g., map, list, chart, etc.
- Works with many ArcGIS data source
 - Online content and web services
 - Field collection data
 - Sensor data, social media, GPS locations, etc.
 - Real-time data



Web Map

US Historic Tornadoes Dashboard

US Historic Tornadoes

item

Q Filter folders

PUG2016

Ops Dashboard

Elements:

List

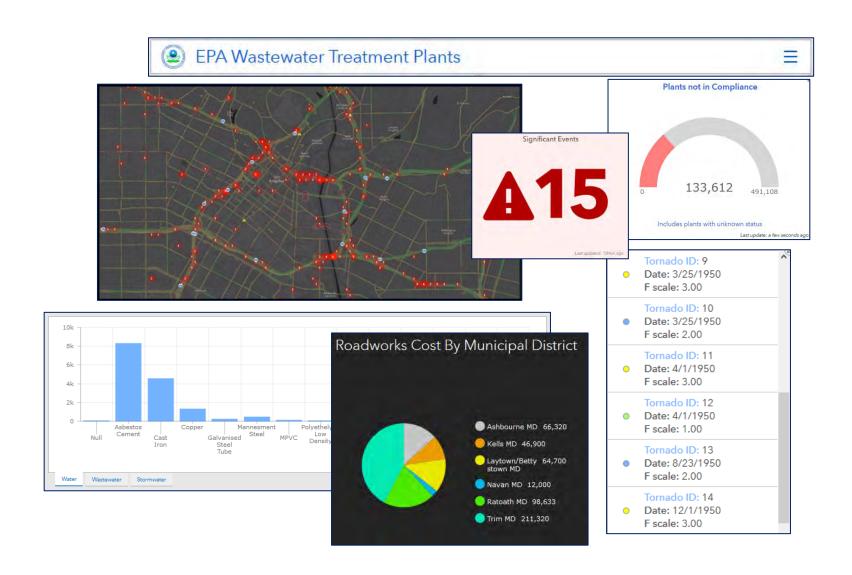
Serial Chart Gauge

Oct 16, 2017

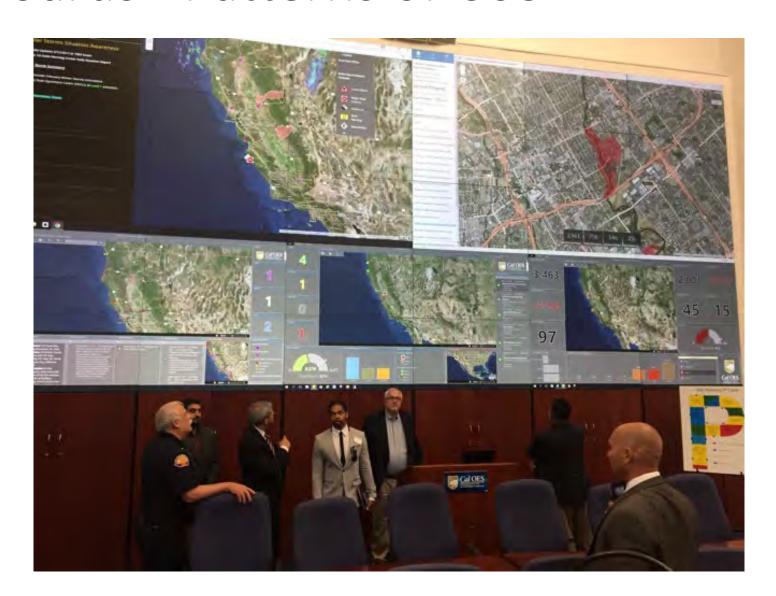
· · · Aug 21, 2017

Type of Dashboard Elements

- Header
- Filters
- Map and Map Legend
- Serial chart
- Pie chart
- Indicator
- Gauge
- List
- Details
- Rich text
- Embedded Content



Dashboards - Patterns of Use



Glen Cove

Total Shootings 12,386

E 105 ST

East Harlem South, Manhattan

Fatal shootings: 8 Non-Fatal Shootings: 4

Total Shooting Victims: 12

Total Estimated Costs: \$120,116,924

BAILSEY BLVD

Springfield Gardens North, Queens

Fatal shootings: 6

Non-Fatal Shootings: 11 Total Shooting Victims: 17

Total Estimated Costs: \$94,858,101

PARK HILL AVE

Grymes Hill-Clifton-Fox Hills, Staten Island

Fatal shootings: 6

Non-Fatal Shootings: 10 Total Shooting Victims: 16

Total Estimated Costs: \$94,261,800

ALBANY AVE

Stuyvesant Heights, Brooklyn

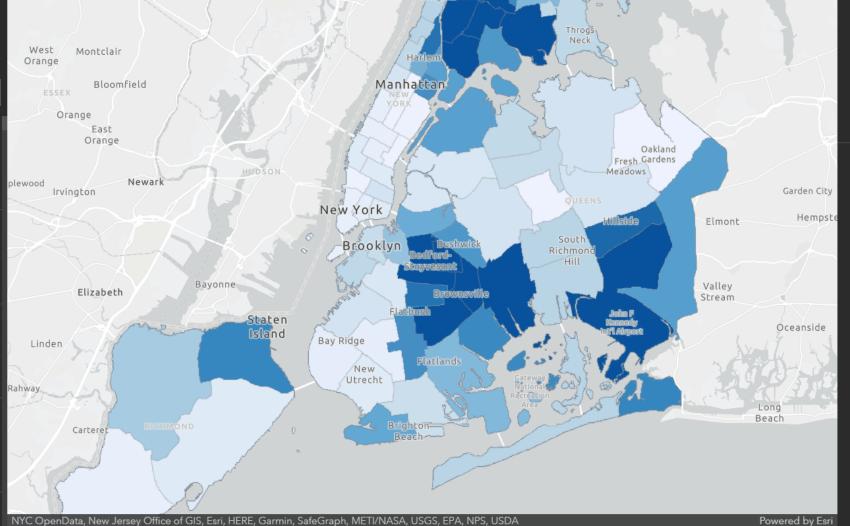
Fatal shootings: 6 Non-Fatal Shootings: 6

Total Shooting Victims: 12

Total Estimated Costs: \$91,876,596

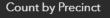
SUTTER AVE

Brownsville, Brooklyn











NYPD Precincts 77

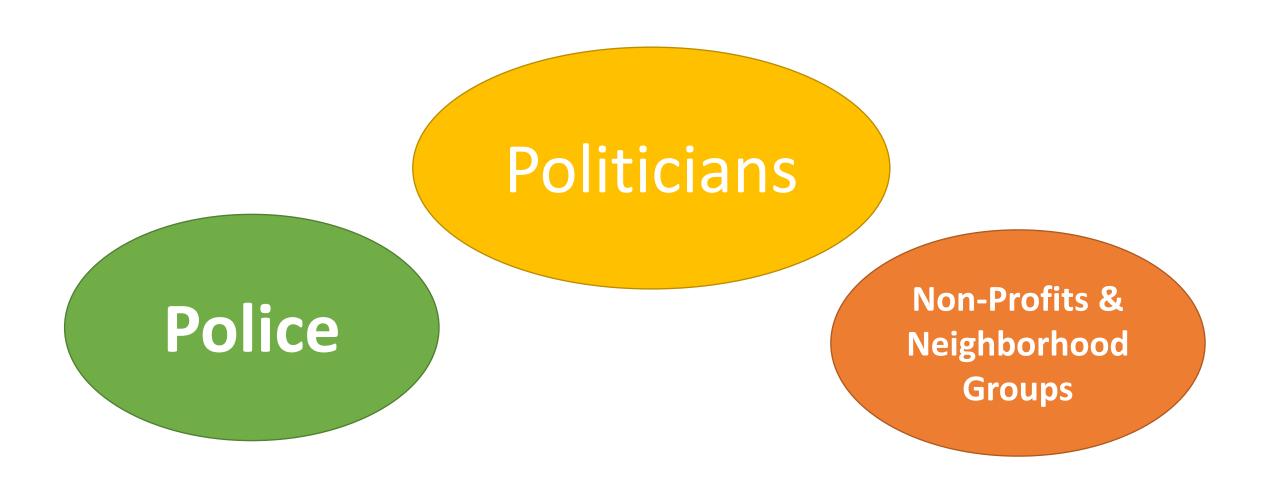


Hot Streets

Clifton

Passaic

Audience Types



Demo

How did we make it?

The Shooting Victim Data

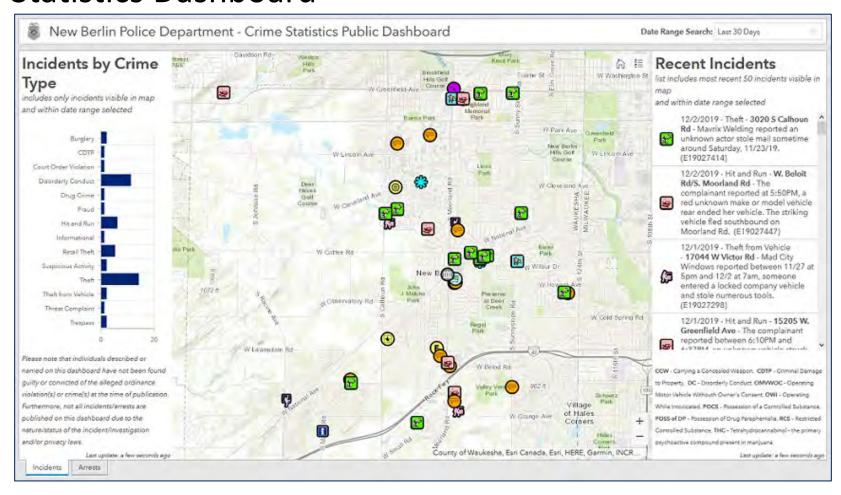
- 12,386 victims between 2011-2020
- 6% of NYC streets contain 100% of shootings

RACE	GENDER	AGE		Fatal vs. Non-Fatal	
• 73% Black	 91% Male 	<18	9%	18%	82%
• 23% Hispanic	9% Female	18-24	37%		
• 3% White		25-44	46%		
• 1% Asian		45-64	7%		
		65+	<1%		

City of New Berlin, WI

http://bit.ly/2YmkqHu

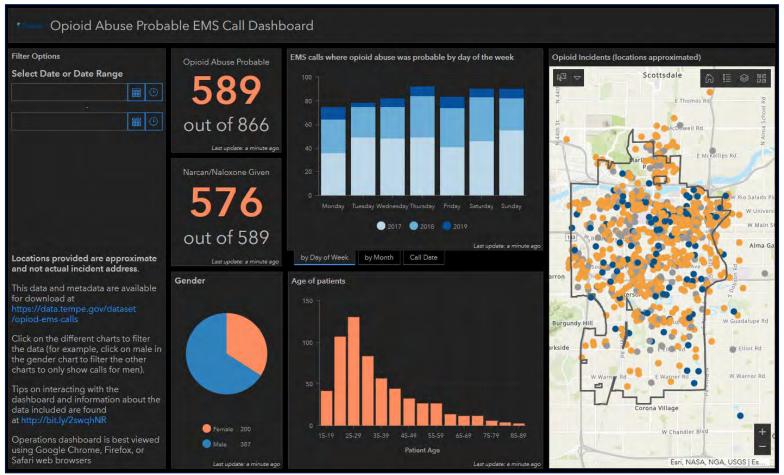
Crime Statistics Dashboard



City of Tempe, AZ

http://bit.ly/2EHu8g8

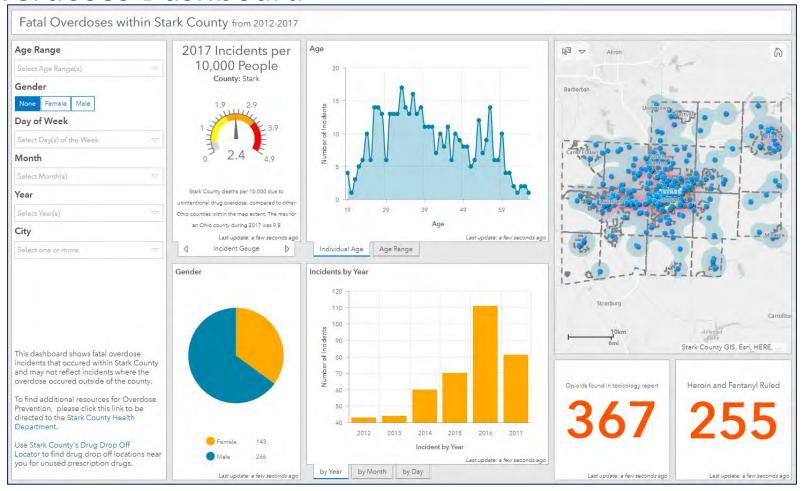
Opioid Abuse Probable EMS Call Dashboard



Stark County, OH

http://p.ctx.ly/r/9fp9

Fatal Overdoses Dashboard



City of Vancouver Police, BC, Canada

p.ctx.ly/r/90w8

GeoDASH Crime Statistics Dashboard



Police Dept - City of Houston, TX

http://bit.ly/37iVc0v

Houston Police GIS Dept StoryMap

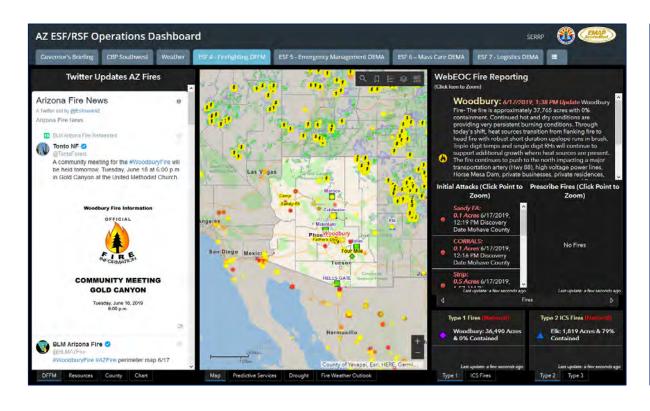




Arizona Dept of Emergency Management Agency

https://bit.ly/2J1fP5j

Governor's Briefing Journal

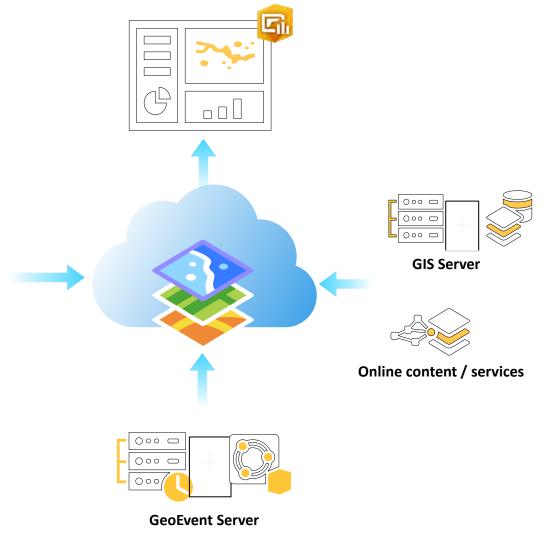




Dashboards bring data together

Field Apps

- ArcGIS platform:
 - Real-time data
 - Coordination of work across an organization
 - Sensor data, social media, GPS locations, etc.
 - Other data
 - GIS Server
 - Online content and services
- Dashboards present the data in intuitive/compelling ways



Thanks!

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Chris Herrmann

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