

# Recent Developments in Location Privacy

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April, 4, 2018

# PERCEPTIONS OF PRIVACY IN PUBLIC ARE CHANGING...

St. Peter's Square - 2005



Luca Bruno/AP

# ...CREATING A LOCATION PRIVACY PARADOX

**St. Peter's Square - 2013**



**Michael Sohn/AP**

# Strava Heat Maps



# Facebook – Cambridge Analytica

- “He ultimately provided over 50 million raw profiles to the firm, said Christopher Wylie, a data expert who oversaw Cambridge Analytica’s data harvesting. Only about 270,000 users — those who participated in the survey — had consented to having their data harvested, though they were all told that it was being used for academic use.”
- “Facebook said no passwords or “sensitive pieces of information” had been taken, though information about a **user’s location** was available to Cambridge.”

# Raising Concerns Over Traditional Geospatial Technologies

https://www.buzzfeed.com/peteraldous/fbi-video-freddie-gray-protests?utm\_term=.vwYL67xEW#jird078JA

## Here's What FBI Spy Planes Saw In Baltimore Above The Freddie Gray Protests

Extended video footage provides an unprecedented window on the activities of the FBI's surveillance aircraft — and raises concerns about the monitoring of protests protected by the First Amendment.

posted on Aug. 5, 2016, at 2:40 p.m.

**Peter Aldous**  
BuzzFeed News Reporter

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# Impact Could Be Significant

www.governmentcontractsinsider.com/drones-to-satellites-should-commercial-aerial-data-collection-regulations-differ-by-altitude/#page=1

## GovCon Insider

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**September 1, 2015**  
**Drones to Satellites: Should Commercial Aerial Data Collection Regulations Differ by Altitude?**

by [Janna J. Lewis](#) and [Lauren R. Caplan](#)

The news and social media commentary of late reveals considerable discomfort with the idea that “drones,” or Unmanned Aircraft Systems (UAS), could be used to collect images and data for commercial purposes. The idea that a flying machine —say, a 6-inch quadcopter equipped with tiny cameras —might track people or record images and data about their movements and habits strikes many as invasive.<sup>1</sup>

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2:03 PM  
12/5/2016

# Impact to Geospatial Community

- Harder to collect geolocation information
  - Will be required to get consent to collection and use
- Will be harder to use geolocation information
  - Lawyers will worry about privacy concerns
  - See e.g. HIPPA
- It will become much more expensive
  - General Data Protection Regulation