

US Geospatial Intelligence Foundation Working Group (USGIF) Meeting
17 March 2016 Meeting Minutes

Journal of Spatial Science Article on Geo-profiling

For discussion, Kevin provided links to the two related articles linked here:

www.bbc.com/news/science-environment-35645371

www.news.bbc.co.uk/2/hi/entertainment/7504132.stm

Summary: the articles describe a study, conducted by Scientists at Queen Mary University of London, which tested the method of geographical profiling on Banksy finding that the distribution of Banksy's famous graffiti supported a previously suggested real identity. The study was due to appear in the Journal of Spatial Science a week ago, but was delayed by Banksy's legal team. According to the article, geographic profiling is a statistical technique that originated in criminology but has recently proved its value in other fields, from tracing infectious disease outbreaks to locating the roosts of wild bats. It takes a large set of locations - whether crime scenes, disease cases or bat feeding sites - and runs through various groupings of those locations to find "hot spots" that could be jumping-off points for whatever activity is being mapped. The hot spots can be used to concentrate a subsequent search, or to whittle down a long list of suspects. When the QMUL researchers put the method to work on a list of Banksy artwork locations in London and Bristol, they said that the resulting "geoprofile" was a good match for an obvious, previously suspected candidate. Addresses connected to the suspect by using publicly available information - places he has lived or frequented, for example - scored highly on the geoprofile in both London and Bristol. The scientists conducted the study to demonstrate the wide applicability of geoprofiling.

Discussion: Many applications of geo-profiling are being used today by the USG and Digital Globe. Applications are used by law enforcement, as well as in tracking diseases as was the case with the Ebola virus spread. This technique also enables predictive analysis.

GEOINT Symposium, 15-18 May

The GRSLWG presentation will be scheduled on the Pavilion Stage at the Symposium on Tuesday, May 17, for 30 minutes (likely 2:30-3:00p or 3:00-3:30p). Therefore, there is time for discussion on only one topic, which will be cyberspace—the tension between the push to use open source software and the defense contractors' cyber-security related obligations.

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Bob Strauss (Raytheon) will lead the group that will outline and prepare the presentation, as well as he will be the primary presenter. Dotti Becker (NRO) will assist Bob in the preparation.

Action: We invite other interested members, or colleagues of members, to participate by contacting Bob at bstrauss@raytheon.com

Small Satellite Workshop

For background, as a result of the GRSLWG engagement with the SSWG in December and subsequent discussion between Kevin and Rob Zitz (SSWG Co-Chair), we should focus on these legal issues:

1. Export control and other regulatory issues and challenges
2. Privacy and intellectual property issues associated with activity –based information; including how data is collected, merged, managed, and utilized?

Workshop is being planned for June. Date TBD. Location TBD, USGIF is exploring venues in Tyson's Corner, D.C. Any suggestions on places that can hold 70-75 people. Event will not be classified.

We need a subgroup to lead each topic by getting panel speakers and developing presentation

Issue 1. Export Control: Bob Strauss (Raytheon) , Dottie Becker (NRO) to participate, as well as an NGA attorney. Jim Kennell (Leidos) to ask his colleague. Who else?

Action: Volunteers to be a panel participant or to recommend someone.

Issue 2. Privacy: Jay Johnston (Vencore) to lead, Dottie and Kevin Pomfret to participate, as well as an NGA attorney.

Action: Volunteers to be a panel participant or to recommend someone.

Additional action items:

Action: Do any members have a venue to host the program?

Action: Suggestions for sponsors for the program?

Future Meetings

April 21 meeting will be at Raytheon's facility in Chantilly, VA, to include a half hour business meeting, starting at **noon**, and a tour of the Cyber Range (!), and lunch. Bob Strauss will send out a separate invitation with details and directions.

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Action: Please let us know if you are not a U.S.citizen (Important to know for the tour due to ITAR/export control issues.)

Other suggested locations: ESRI (facility in the D.C. area), Colorado (Digital Globe and Raytheon), Sunnyvale (Lockheed Martin), Vencore (D.C. area), and In-Q-Tel. (Northern Virginia)

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