

Practical Seminar 1

JANUARY 28th 2010, 9:00-16:00

Electronic maps and digitised globes such as Google Earth are changing the world of GIS. They offer you a far better visualisation means for any site of interest. This seminar is designed to show you why and how you and your organisation should be using the new free electronic geospatial tools, including:

- High resolution satellite and aerial imagery
- Historical satellite and aerial imagery
- 3-D modeling software
- Automatic terrain draping for enhanced visualisation
- Real time weather data
- Feature and site labeling via Wikimapia, Placeopedia, Flickr, Panoramio, and logger layers
- Ground photography that includes 360 degree street scenes

Proven Strategies For Effectively Exploiting Imagery: New Free Tools To Help You Enhance Your GIS Capability

- 9:00 - New ways for you to conduct broad area baseline
YOU WILL LEARN

New ways for you to conduct broad area baseline searches, detect, identify, characterise, and monitor illicit activities either alleged through open source leads, identified on internet BLOG and WIKI Layers, from existing GIS data layers, or through other GIS data layers and tips.

- 10:30 - Morning Coffee
Morning Coffee

- 11:00 - How you can significantly enhance individual building characterisation and visualisation

Find out first hand how you can significantly enhance individual building characterisation and visualisation (including interiors), allowing walk-arounds or fly-arounds leading to perhaps better operational decision making.

- 12:15 - Lunch & Questions
Lunch & Questions

- 13:15 - Get a highly accurate terrain map

Learn how to get a highly accurate terrain map for better geospatial context and allow detailed 3-D perspectives of all sites or areas of interest.

- 14:30 - The most effective ways for overlaying the latest imagery

Build the most effective ways for overlaying the latest imagery onto these globes for updated visualisation as well as for showing historical layers.

☐ 15:30 - Afternoon Coffee

Afternoon Coffee

☐ 16:00 - See how you can achieve

See how you can achieve the following tasks with these new tools, including:

- Site familiarisation and geospatial context awareness
- Pre-operational planning
- Onsite orientation and navigation
- Reporting follow-ups
- Monitoring for temporal changes using freely provided historical imagery
- Verification or negation of existing data
- Interoperability with other agencies

ABOUT YOUR SEMINAR LEADER:

☐ Frank Pabian, Project Leader, Los Alamos National Laboratory, National Nuclear Security Administration

Frank Pabian has over 37 years experience with GEOINT, including 18 years with Lawrence Livermore National Laboratory's Special Projects Division. Frank also served as a Chief Inspector for the International Atomic Energy Agency during United Nations inspections in Iraq from 1996-1998 focusing on "Capable Sites." In December 2002, he served as one of the first US nuclear inspectors back in Iraq with UN/IAEA. Frank has also been a frequent lecturer at Stanford University on the "New Geospatial Tools" and Open Source Applications at the Center for International Security and Cooperation (CISAC) and is the author of a textbook chapter on the utility of commercial satellite imagery for IAEA safeguards purposes in NUCLEAR SAFEGUARDS, SECURITY AND NONPROLIFERATION, Elsevier Publishers, 2008.