

# How Open Standards Integrate Geospatial Services with Modelling and Simulation

Members of the Open Geospatial Consortium (OGC) and the United States Geospatial Intelligence Foundation (USGIF) Modelling and Simulation (M&S) Working Group are inviting the public to attend a demonstration of new developments in technology and capability to rapidly discover, transform and stream geospatial data from online sources into modelling and simulation applications using open standards.

The demonstration activities, part of the 13-16 October GEOINT 2013 Symposium, will be held in Room 24 at the Tampa Convention Center in Tampa, Florida on 16 October. The Demonstration room will open to the public at 11:00 am EST. Visitors will have the chance to meet the developers and discuss the opportunities that arise from standards-based integration of geospatial and M&S systems.

From 2:00-4:00 pm EST in Room 24, a formal presentation will be followed by demonstrations of live-streaming elevation, imagery and feature data being discovered, accessed and used via OGC standards to provide real-world context for synthetic environments in M&S applications. The Demonstration will show simulations to support two hypothetical scenarios – a military rescue operation against terrorists in Yemen and civilian oil spill response activity in Hawaii.

The following corporations and government agencies have contributed data, hardware, models and simulation applications for the demo:

- CACI
- CAE
- Compusult
- DigitalGlobe
- Envitia
- exactEarth
- NOAA / US IOOS
- VT MAK

The demo will also show how M&S information and capabilities can flow into other systems and be integrated into other systems and applications using open standards.

The USGIF Modelling and Simulation Working Group demonstration is a part of the many professional development offerings at this year's GEOINT Symposium. The GEOINT Symposium is the nation's largest intelligence event of the year and includes an exciting agenda of keynotes, panel discussions and training offerings. The GEOINT 2013 Symposium exhibit hall will include more than 250 organisations displaying and technologies, services and solutions.

USGIF has opened the USGIF Modelling and Simulation Working Group Demonstration to the public, and there is no charge to attend demonstration. There is a fee to attend any other GEOINT Symposium sessions, trainings or the exhibit hall.

Space is limited for the Modelling and Simulation Demonstration, so attendees must register for this specific demo by sending an email to Ed Curle at [ecurle@kadsci.com](mailto:ecurle@kadsci.com).

A separate Modelling and Simulation highlight of the GEOINT 2013 Symposium will be a presentation on 14 October at 2:00 pm by Dr. Forrest Crane, director of the Army Center for Analysis. Dr. Crane will speak on the expanding role of M&S in Activity Based Intelligence. His presentation will be in the Government Pavilion located in the Center of the USGIF Exhibit Hall. This event is open to those who have registered for the USGIF's GEOINT 2013: Operationalizing Intelligence for Global Missions.

