Main Conference Day Two: 27th January 2010

8:00 - Registration & Coffee

Registration & Coffee

8:30 - Chair’s Opening Remarks

John F. Olesak, Vice President, Northrop Grumman

No session description available.

8:45 - Enabling Decisions In HQ & In-Theatre Through Effective Use Of GIS Capability Across Defence Organisations

Join the newly appointed Director of Intelligence Capability Strategy & Policy to hear how he is planning to further develop the GIS capability to support MOD and Government policy-making, military operations, crisis management and the generation of military capability, while contributing to the work of the Joint Intelligence Committee (JIC) - the UK's national intelligence committee. Hear about:

- Key strategic challenges for the DICSP
- Building on existing GIS capability
- Challenges of working with other defence and civilian organisations
- Preparing for the 2012 Olympic Games
- Looking into the long term future

9:15 - Operational Focus: Key Lessons Learned From the Effective Use of GIS In-Theatre & Operations

Bob Burkhardt, Geospatial Information Officer & Director, US Army

The AGC, formerly known as the Engineer Research and Development Center's Topographic Engineering Center (TEC), became a direct reporting center under the U.S. Army Corps of Engineers on October 1, 2009. The center provides geospatial support and products to warfighters, and has expanded its mission to support the Army's Battle Command Systems, facilitating dissemination of relevant geospatial information to every level across the dynamic battlefield environment. Additionally, the center coordinates, integrates, and synchronizes geospatial information requirements and standards across the Army, as well as develops and fields geospatial enterprise-enabled systems and capabilities to the Army and Department of Defense. Mr. Burkhardt feels that “multiple standards and conflicting policies equate to slowing our commanders' ability to act decisively within the complex operational environment.” Join Mr Burkhardt to hear how the new reorganization allows him to focus entirely on the Army Geospatial Enterprise function-from policy to Warfighting. It also provides greater visibility for a geospatial enterprise across the Army and the Joint communities. Mr. Burkhardt will focus on:

- Reorganization of the AGC
- New goals, responsibilities, and way-ahead for the AGC
- The AGC/Army Geospatial Enterprise’s impact the interoperability in the US Army and across organizations?
- Provision of GIS capabilities to the Warfighter
- Lessons learned and future strategies

10:15 - Common Purpose - Supporting the US War Fighter Through Coordinated Standards, Processes, and Data Sharing Between the Defense Business Mission and Intelligence Communities

Laura H. Munchmore, Director for Business Enterprise Integration, US DOD
David Labranche, Programme Manager, US DOD

The US Department of Defense, the warfighter, and the intelligence communities in the USA, are becoming increasingly aware of the very capable and useful geospatial capabilities that have emerged within the Installations & Environment (business mission area) side of the DoD. There is clearly a great need to share standards, data, business processes and practices. And achieving truly seamless GEOINT across the GIG has become a key goal for the organisation. Join Laura Muchmore and David Labranche as they give you their vision and strategy for the DoD's business mission for the IC common interests, and transformation. Find out about the Installation Geospatial Information and Services (IGI&S) initiative, and its growing collaboration with the NGA and other organizations.

- Mission critical strategies and capabilities
- Challenges of organizational integration and data sharing
- Moving onto common standards
- Cooperation with the NGA
- The role of Installations & Environment in achieving truly seamless GEOINT

10:45 - Morning Coffee & Networking

Morning Coffee & Networking

11:15 - PANEL DISCUSSION: Looking Into The Future Role Of Geospatial Intelligence In Defence & National Security

LTC Pat Fryer , Geospatial & Imagery Capability Development, Intelligence Sub-Division, Supreme Allied Command Transformation, NATO
John D. Kedar, Comd Jago, UK MoD
Neil Thompson, Director Geospatial Intelligence, National Defence Canada
Kjeti Utne, Director, Norwegian MoD
Bob Burkhardt, Geospatial Information Officer & Director, US Army

Geospatial information and intelligence is quickly penetrating every aspect and part of government organisations. Decisions are increasingly made on a joint basis, and these days, information is shared across both organisations and nations. Join this panel discussion to hear the views and visions of the future of GIS in Europe and globally. Find out what the leaders of the GIS community think will be critical to the growth and development of GEOINT in your organisation. Ask questions, contribute to the discussion and find out what will shape your strategy in the future.

12:15 - Networking Lunch

Networking Lunch

STREAM 1: Strategy, Policy & Archi...STREAM 2: Defence Operational: Support...STREAM 3: Collaborative Use Of GIS In ...

13:30 - PANEL DISCUSSION: Assessing The Current Advances & Impact Of Commercial Satellite Imagery On Defence & National Security Capabilities

STREAM 1: Strategy, Policy & Architecture: Exploiting GIS Across Your Organisation
John Allan, Director of European Sales for Defence and Intelligence, DigitalGlobe
Marcello Maranesi, Chief Executive Officer, e-GEOS

A core part of your GIS strategy will be based on continuously updated imagery and non imagery data. Sources of satellite imagery have grown and evolved significantly over the last several years, both in the number of commercial satellites in orbit, as well as in advances in ground infrastructure and product advancements geared towards government and commercial customers. The result has been a much broader offering from the commercial satellite imagery providers assisting the end users in their project needs. The demand for geospatial content has grown at a rapid pace, pushing the satellite imagery provider to add new satellite capacity, robust ground processing, and a more comprehensive product offering. Find out about the new capabilities available to your organization, and learn about the innovative ways to incorporate imagery and geospatial content into your day to day workflow.

- Overview of the major growth areas in satellite industry
- Infrastructure & product advancements
- Current demand for geospatial content
- Growing the satellite capacity
- New & innovative ways to incorporate imagery & geospatial content

13:30 - Building Your GIS Capability To Ensure Effective Support Of Decisions In-Theatre & Across Organisations

STREAM 2: Defence Operational: Supporting Users In-Theatre
Michael W.Powers, Technical Director, US Army

Michael Powers will show you the role of collaboration between geospatial communities in defence, government and business worlds. Using new techniques, sharing data, and building on existing experience of different organizations can all bring great results to the parties involved. Join Mike to hear his views and experiences of:

- Data sharing and collaboration
- Critical factors enabling decision-making in-theatre
- Looking into the future role of GIS in defence and government operations
- Real-life case studies

13:30 - Using GIS In Anti-Piracy Operations: Case Study Presentation

- STREAM 3: Collaborative Use Of GIS In National Security & Defence Projects

Joshua Lyons, GIS Analyst, UNOSAT/UNITAR

The work of UNOSAT consists of acquiring and processing satellite data to produce and deliver information, and the observations and analysis to be used by our partners and beneficiaries for relief and development work at national and community level. UNOSAT work is entirely based on the commitment to produce concrete, tangible and usable results in every activity they undertake. Always look for the best solution, and use high-end technology to implement it. In 2003 UNOSAT developed a new humanitarian rapid mapping service that is today fully developed, and has been activated over 100 times by UN relief and coordination agencies. This work implies very quick acquisition and processing of satellite imagery and data for the creation of map and GIS layers in support of emergency response and humanitarian relief coordination (UNDAC teams, impact assessment missions, damage estimates, etc). Join this presentation to find out how GIS has helped several anti-piracy operations around the world. Find out about:

- Key current programmes and projects
- Addressing the GIS requirements in tackling piracy
- Ensuring full interoperability and data sharing
- Case studies of different anti-piracy operations

STREAM 2: Defence Operational: Supporting UsersIn-Theatr...STREAM 3: Collaborative Use Of GIS In National Security ...

14:00 - Exploring The Tactical And Operational Value Of GIS To NATO/ISAFe

- STREAM 2: Defence Operational: Supporting UsersIn-Theatre

Aquilino Diaz, Chief Geospacial Intelligence, Intelligence Fusion Centre (IFC) In Support of Nato

The IFC is permanently assigned to NATO; tasked to provide effective, fused geospatial-intelligence in support of NATO operations. The IFC has converged the Geospatial and Imagery Intelligence (IMINT) disciplines in a multi-national, multi-service environment focused on ensuring that NATO operational forces, key-decision makers, and mission planners are armed with clear information dominance and superiority. As GEOINT demands are becoming increasingly more complex and challenging, the IFC must keep abreast with the technological changes to ensure that the NATO warfighter continues to receive timely, actionable and network-enabled GEOINT in support of engagement planners and combat operations. IFC supports three basic mission functions: humanitarian air, non-combatant evacuation, and tactical and operational support to include intelligence preparation of the battlespace (IPB), support to targeting, mission planning, decision support and terrain visualization. These mission functions are supported through multiple GEOINT products to meet specific operational mission requirements. Join Ric Diaz for a practical overview of how GEOINT is aggregated, disseminated and used across NATO, with special emphasis on the tactical and operational implications for NATO forces engaged in Afghanistan.

- Mission overview
- Key goals for NATO support
- Supporting humanitarian, non-combat and battlespace functions
- Mission planning and targeting
- Tactical and operational challenges of providing GIS support in Afghanistan

14:00 - Implementing Mobile Data Use In The Police Service: DeliveringI nformation That Makes A Difference To The Operational Effectiveness Of Officers On The Front Line

STREAM 3: Collaborative Use Of GIS In National Security & Defence Projects

Ian R. Readhead, Director of Information, Association of Police Officers

Ian R. Readhead was appointed Assistant Chief Constable in April 1995, becoming Deputy Chief Constable on 1st April 2000. Mr. Readhead led for the Association of Chief Police Officers on a number of portfolio areas including Communications, Freedom of Information, Data Protection, Procurement, Mobile Data, Single Non Emergency Number and Police National Networks. He retired from Hampshire Constabulary in September 2008 and immediately took up his new role as Director of Information for the Association of Chief Police Officers. He has responsibility for ACPO's Criminal Record Office and also retains National lead for Freedom of Information and Data Protection. He is a member of the Business Design Authority for the new Police National Database. Join Ian R. Readhead to hear about the strategy behind the initiative to bring up-to-the-minute information to the police officer in the UK.

- How does geographic profiling work?

14:30 - Afternoon Coffee &Networking

Afternoon Coffee & Networking

STREAM 1: Strategy, Policy & Archi...STREAM 2: Defence Operational: Support...STREAM 3: Collaborative Use Of GIS In ...

15:00 - An Overview Of French Geospatial R&D Activities To Improve Interoperability And Quality

STREAM 1: Strategy, Policy & Architecture: Exploiting GIS Across Your Organisation

Laure Dassonville, Head of Geospatial Department, DGA, France MoD

Laure Dassonville is currently working on several projects within the GIS capability in the French forces, including interoperability, geospatial web services, quality of data, rapid production, recognized environment picture (REP) and aid decision. The ENVOL project has been tested, and will continue its development with further synchronization and multirepresentation through the REP research. Quality, Aid Decision and Rapid Production projects are currently in development. Join Laure Dassonville to hear about the strategy and current challenges of:

- Ensuring full interoperability
- Growing quality of GIS capability
- Using civilian R&D and data for defence GIS capability

15:00 - Effective Use Of GIS In The RAF: Case Study

- STREAM 2: Defence Operational: Supporting Users In-Theatre

Charles Howard-Vyse, Officer Commanding, RAF, UK MoD

From an Engineering degree at Bristol University, Charles Howard-Vyse joined the IX(B) Squadron at RAF Bruggen in Germany to fight at the end of the Cold War. A 2004 posting to A7 at HQ RAF Strike Command saw Charles running the operations side of the UK's Maxeval / Taceval and Collective Training events. This also included accreditation as a NATO Evaluator and working closely with the NATO Taceval Unit at Ramstein and across Europe. In mid-2006 he was detached at three weeks notice to Kandahar as Chief of Staff Operations for 901 Expeditionary Air Wing. His major role there was in airfield support to the Harrier, Hercules and some of the UK's rotary wing fleets, as well as having a supervisory role in Camp Bastion's airstrip. On his return to UK, in Dec 2006, he took up an SO1 post at the Defence Academy engaged with developing training for Network Enabled Capability. In September '08 he commenced his command tour at No 1 AIDU. Join Charles to hear his experiences and views on providing GIS support to the RAF:

- The growing role of GIS in the life of an RAF pilot
- Mission critical factors – what matters to the warfighter?
- Interoperability, data sharing and collaboration from the viewpoint of an RAF pilot
- Looking into the future role of GIS in the RAF
- Practical examples and case-studies

15:00 - Presentation Title TBC

- STREAM 3: Collaborative Use Of GIS In National Security & Defence Projects

Nigel Woof, Operations Director, mapAction

Presentation Title TBC

15:40 - Partnering With Academia: How Geospatial Education And Training Can Be Enhanced To Meet Defence Requirements

STREAM 1: Strategy, Policy & Architecture: Exploiting GIS Across Your Organisation

John Knight, Principal, Royal School of Military, UK MoD

For many years officers and soldiers attending long courses at the Royal School of Military Survey have benefited from their education being accredited by either a professional body or a national awarding body. In recent years, the focus has changed so that long courses are now accredited by two universities, Cranfield and Sheffield Hallam, for officers and soldiers respectively. John Knight will consider the reasons for looking to academic partners to help develop training and education. He will examine the benefits and challenges associated with partnering academia in a Defence context and will reflect on how the move to academic qualifications has matched a greater emphasis on education. Finally, recent developments in accredited programmes at the Bachelor and Master's level will be discussed. John was appointed Principal of the Royal School of Military Survey in 2006, and is responsible for the provision of Geospatial and Imagery Intelligence training to Defence. John will focus on:

- How partnering with the Higher Education sector has benefited Geospatial training and education at the RSMS.
- The challenging demands placed on the education of geographic officers and soldiers today, as evident from the breadth of capabilities in the DGI 2010 agenda.
- Recent developments between RSMS, JAGO and the universities in developing a Master's degree in GEOINT and a Bachelor's degree in Geographic Information