

FOCUS DAY: Operating in the Open - January 23rd, 2017

Key Developments in Crowd, Human, Open, Social and Volunteer Geospatial Information

0800	Welcome and Registration	
0830	Organiser's Welcome – Tom Webber, Director, DGI	
0835	Chairman's Opening Address- Ian Spencer, Director, Defence Geographic Centre, Joint Forces Intelligence Group, UK MoD	
0845	How Geospatial Information will Help Overcome Obstacles to Building a Stronger Europe Lt General B Hodges, Commanding General, US Army Europe	
0920	Developments in UK MoD Policy on Open Source and Social Media Geospatial Information Captain Iain G Breckenridge, Defence Authority for C4ISR Joint User (Intelligence Policy - Dep Hd), Joint Forces Command, UK MoD	
0945	The Future of Open Geospatial Data for the Defence and Security Community Chris Rasmussen, Unclassified GEOINT Pathfinder PM, National Geospatial-Intelligence Agency (NGA)	
1010	Open Source Intelligence as Part of a Multi-Source Intelligence Enterprise Keith Johnson, CTO/Chief Engineer for Intelligence and Homeland Security, Leidos	
1030	Bridging the Gap Between Open and Classified Geospatial Data Joe Ross, Technical Design Authority, Joint Intelligence, Surveillance and Reconnaissance, NATO Communications and Information Agency	
1055	Networking Break	
1130	JISR – A View from an Operational Command J2 - Colonel Steven Desjardins, Senior Intelligence Officer J2, Canadian Joint Operations Command HQ	
1155	The Globe in 3D - A Paradigm Shift in Geodata, Positioning and Navigation - Manne Anliot, Vice President, Head of Marketing and Sales, Vricon	
1215	Maps, Mayhem and Municipalities: Using Geo-spatial Information to Prevent and Solve Crime - Bill Moore, Co-Chair of the Information Technology Committee, Canadian Association of Chiefs of Police	
1245	Lunch	
	Exploitation and Analysis Chair: Dr Simon Reid, Business Development Lead – C4ISR, Leidos UK & Europe	Evolution of Policy, Law and Technology Chair: Ian Spencer, UK MoD
1345	The Defence Logistics Situation Awareness Tool Powered by Geospatial and Business Intelligence Professor Elizabeth Chang, Professor in Logistics, UNSW/ADFA Steven Cannon, Deputy Director, Inventory Reform, Australian Defence	GEOINT Quality Enhanced With Social Network Analysis Lt Col (Dr) Michael L. Thomas, Naval Space, and Warfare Center, USAF
1405	The U.S. Geological Survey (USGS) National Geospatial Program: New Projects and Strategies for the United States Civilian Mapping Agency - Kari J. Craun, U.S. Geological Survey, Director, National Geospatial Technical Operations Center (Telecom)	Using i2 Enterprise Insight Analysis (i2 EIA) for National Threat Intelligence & Investigations David Dixon, WW IBM i2 Enterprise Insight Analysis Sales Lead, EMEA, IBM

1425	Connecting with Online Communities to Crowdsource Visual Media Analysis for UN Support Lars Bromley, Programme Manager, GeoTag-X, UNITAR	Panel Discussion: How Should the Geospatial Intelligence Community Reconfigure to Operate with Open and Human Geospatial Data? Moderator: Ian Spencer, UK MoD Major Gary Cutler, GI&S Officer, US Army Europe Daryl Madden, Senior VP and GM, Textron Systems Geospatial Solutions Lt Col (Dr) Michael L. Thomas, Naval Space, and Warfare Center, USAF Matthew R. McNabb, Chief Executive Officer, First Mile Geo
1455	Networking Break	
	Operational Applications	Standards and Interoperability
1530	Making Open Source Fit for Purpose - Operational Applications Major Gary Cutler, GI&S Officer, US Army Europe	Standards as an Enabler in Data-Centric Operations Major Alexander Harris, SO2 JGI LAND, Defence Authority for C4ISR, Joint Forces Command, UK MoD
1550	Fusing Multiple Sources to Map and Protect Cultural Property Lt Colonel Tim Purbrick, Chairman, M CCP Working Group	Standards Compliance: How to Measure Standards Compliance as a Key Enabler of Interoperability Jeff Bell, Director, National Center for GEOINT Standards, NGA
1610	Panel Discussion – Collaboration on CPP – Challenges & Opportunities Moderator: Lt Colonel Tim Purbrick, Chairman, M CCP Working Group Professor Peter Stone, UNESCO Chair, CPP, Newcastle University Dr Robert Bewley, Director, Endangered Archaeology in the Middle East & North Africa, University of Oxford Lt Colonel Stuart Barltrop, Lead, CPP, NATO SHAPE Jean Smith FRGS, CGeog, Assistant Director Research, DGC, UK MoD	Panel Discussion - Examining the Key Developments in Interoperability and Standards to Improve Sharing of Geospatial Data in Future Operations Moderators: Major Alexander Harris, SO2 JGI LAND, Defence Authority for C4ISR, Joint Forces Command, UK MoD Scott Simmons, Executive Director, Standards Program, Open Geospatial Consortium Martin Jones, Team Lead, UK Government Earth Observation Service, Chief Scientific Advisor's Office, Department for Environment, Food and Rural Affairs (DEFRA)
1640	Transit Time	
1645	Visionary Presentation – Partnering for Mission Impact – Future Collaboration in GEOINT - Dustin Gard-Weiss, Director, Office of Geospatial Intelligence Management, NGA	
1715	Who Has the Data: the Role of NGOs in Providing Mission Essential Data - Dr. Emlyn Hagen, Disaster Risk Reduction Program Manager. iMMAP	
1745	Chairperson's Summary - Ian Spencer, Director, UK MoD	
1800	Ice-Breaker Drinks Reception - Old Star, Broadway, Near St James Park Underground Station (5 mins walk from QEII)	

DGI MAIN DAY 1 – January 24, 2017

Geospatial Intelligence for Public Safety and National Security

0745	Welcome and Registration
0840	Organiser's Welcome Tom Webber, Director, DGI
0850	Chairperson's Welcome Address & Introductory Presentation Major General James Hockenhull, Director, Cyber Intelligence and Information Integration (DCI3), UK MoD
0900	Operating in the Open – Future of Geospatial Intelligence Robert Cardillo, Director, National Geospatial-Intelligence Agency (NGA)
0930	Geospatial Intelligence Driving Multi-Intelligence Fusion - Deriving Clarity from Complexity Major General James Hockenhull, Director, Cyber Intelligence and Information Integration (DCI3), UK MoD
1000	Countering Threats in the Cyber and Information Domain – a German military Perspective Brigadier General Peter Richert, Deputy Commander, German Strategic Reconnaissance Command
1030	Morning Networking Break
1110	Key Factors Shaping Policing Across Europe Today Robert Wainwright, Director, Europol
1135	Activity Based Intelligence: A Perilous Journey to Intelligence Integration Ben Conklin, Director, Global National Security Marketing, Esri
1155	What the Unexplored Seas and Oceans Mean for Defence and Security Today Rob Ward, President, International Hydrographic Organisation (IHO)
1220	Panel Discussion – How to Improve the Way Geospatial Intelligence is Produced, Visualised and Shared in Support of Future Public Safety and National Security Moderator – Vice Admiral (ret'd) Robert Murrett, Professor of Practice, Maxwell School of Citizenship and Public Affairs, Institute for National

	<p>Security and Counterterrorism, Syracuse University Brigadier General Peter Richert, Deputy Commander, German Strategic Reconnaissance Command Chris Rasmussen, Unclassified GEOINT Pathfinder PM, National Geospatial-Intelligence Agency (NGA) Captain Ron Pumphrey, Commander Canadian Forces Intelligence Group (Comd CF Int Gp), Canadian Armed Forces Captain Lorenzo Agnarelli, Chief Geospatial Officer, NATO SHAPE Jane Chappell, Vice President, Global Intelligence Solutions, Intelligence and Information Systems, Raytheon</p>				
1300	Lunch		Raytheon VIP Lunch – By Invitation Only		
	<p>New Developments in GEOINT Chair: Anthony Wilby, Former Assistant Chief of Staff, JFIG, UK MoD</p>	<p>Maritime Surveillance and Operations Chair: Commander David Crossman, Naval Adviser, NATO Deputy MilRep, Defence Attaché, Germany New Zealand Defence Force</p>	<p>Airborne Surveillance and Operations Chair: Colonel Neil Thompson (ret), Former Director Geospatial Intelligence Canadian Armed Forces</p>	<p>Imagery & Geospatial Data Management Chair: Colonel Graham Livesey, Deputy Head Joint GEOINT, C4ISR Joint User, UK MoD</p>	<p>National Resilience Chair: John Knight, Principal, Royal School of Military Survey</p>
1400	<p>Looking Forward – How GEOINT Will Support DIA’s Future Mission Terry Busch, Division Chief Defense Intelligence Agency (DIA) Donna Bridges, All-Source Analyst, Defense Intelligence Agency (DIA)</p>	<p>Top Priorities to Enhance Collaboration and Data Sharing among Maritime Communities of Interest A. Lyston Lea II, Defense Intelligence Senior Level (DISL), Principal Advisor National Maritime Intelligence-Integration Office (NMIO)</p>	<p>Transforming the RAF ISTAR Force and Delivering Battle Winning Processing Exploitation and Dissemination (PED) Wing Commander John Williamson, Officer Commanding, 1 ISR Wing, RAF Marham</p>	<p>The Challenges of Delivering GEOINT ICT Projects at Pace Within Defence Matt Harrison, Deputy Team Leader, Imagery and Geospatial Systems (IMaGE), ISS, UK MoD</p>	<p>NATO GIS Enterprise – Today and the Future John Teufert, JISR Geospatial Services Branch Head, NATO Communications & Information Agency (NCI Agency)</p>
1420	<p>Leveraging Web GIS to support Activity Based Intelligence Ben Conklin, Director National Security Marketing, Esri</p>	<p>A layered Approach to Real-time Situational Awareness in the Maritime Domain Nigel Chandler, Head of Business Development (Maritime), Airbus Defence & Space</p>	<p>A Global Intelligence Platform Providing Timely and Affordable Understanding of Our Planet Dr. John Hornsby, VP Sales & Business Development, BlackSky</p>	<p>Harness Unmatched Content and Insight to Solve Global and Regional Challenges Andrew Stephenson, Senior Director - International Defense & Intelligence, DigitalGlobe</p>	<p>Leveraging Geospatial Data in a Changing World Daryl Madden, Senior Vice President and General Manager, Textron Systems Geospatial Solutions</p>

				Global LLC		
1440	<p>How the US Army Partners within the National System for GEOINT to Advance the Army Geospatial Enterprise Dan Visone, Director, Systems & Acquisition Support Directorate Geospatial Acquisition, Support Directorate, US Army</p>	<p>New Paradigms in Space-Based Maritime Situational Awareness Guy Thomas, Subject Matter Expert, Maritime Domain Awareness and Commercial Space, US Department of Homeland Security Science and Technology</p>		<p>How Airborne ISR is Evolving to Support a Broader Range of Missions Barry MacDonald, Former Chief, Geospatial Intelligence Partnerships and Chief, Intelligence Targeting, Canadian Armed Forces</p>	<p>Wide Area Motion Imagery Automatic Information Extraction – Getting What You’re Looking For P.J.M. (Pieter) Elands, Programme Manager, Unmanned Systems, TNO Netherlands</p>	<p>The Power of the Collective Resilience Community in the Connected World Luana Avagliano, Director, Resilience Direct, UK Cabinet Office</p>
1500	Afternoon Networking Break					
1530	<p>“Ground Control to Major Tom” How Space-based Capabilities and Services are Playing a Crucial Role in the Context of European Security and Defence Adriano Baptista, Director of Operations, EU Sat Centre</p>	<p>Situational Awareness in the Maritime Context Commander Francesco Tocci, Chief, Geometoc Division, Directorate of Operation, NATO Allied Maritime Command</p>		<p>How to Make Your Imagery More Valuable Idan Wolfson, Vice President Business Development & Marketing, Video Inform</p>	<p>Exploiting EO-derived Data to Counter Food Insecurity in the Cross-border Region of Middle East and Mediterranean Professor George Zalidis, Director of the Laboratory of Remote Sensing and G.I.S., Aristotle University of Thessaloniki (AUTH)</p>	<p><i>Session Information Coming Soon from</i> UK Met Police</p>
1550	<p>An Overview of UrtheCast’s 24-satellite UrtheDailyTM and OptiSARTM Constellation Wade Larson, President and Chief Executive Officer, UrtheCast</p>	<p>1550-1600 braINT – Telespazio Geoinformation platform for Defense and Intelligence: Maritime Domain Success Stories Massimo Claudio Comparini,</p>		<p>Panel Discussion: Challenges and Opportunities when Transforming Your ISR Enterprise Moderator: Colonel Neil Thompson (ret), Former Director Geospatial Intelligence Canadian</p>	<p>Advanced Solutions for Collecting, Processing and Disseminating Geospatial Data Chris Harris, Strategic Account Manager, Trimble</p>	<p>New Geospatial Paradigm and Key Elements for Success Indu Singh, Senior Director, Intelligent Solutions Division, GDIT Tony Cothron, Vice President, Business Development and</p>

			Chief Executive Officer, e-GEOS	Armed Forces Wing Commander John Williamson, Officer Commanding, 1 ISR Wing, RAF Marham		Customer Requirements, Intelligence Solutions Division, General Dynamics IT
1610	How the French National Mapping Agency is Contributing to the Defence Geospatial Infrastructures Magali Stoll, Director, Defence and Space Programmes, French Institute of Geographic and Forest Information	1600-1630	Emerging Needs for Tactical Scale Ice Information in the North David Jackson, Special Projects Adviser, Canadian Ice Service, Meteorological Service of Canada	Joe Ross, Technical Design Authority, Joint Intelligence, Surveillance and Reconnaissance, NATO Communications and Information Agency Barry MacDonald, Former Chief, Geospatial Intelligence Partnerships and Chief, Intelligence Targeting, Canadian Armed Forces	Panel Discussion – The Future of Mapping: Enablers and Disruptors Moderator: James Prain, Principal Scientist, Intelligence Management Team, DSTL Jeremy Morley, Chief Geospatial Scientist, Ordnance Survey Intelligence Systems and Analytics Group, Dstl Mike Jackson, Emeritus Professor, Nottingham Geospatial Institute, The University of Nottingham	Leaders Dialogue – How the Cyber Intelligence Discipline is Evolving to Meet Threats to National Security in Cyber Space Lt Col (Dr) Michael L. Thomas, USAF Naval Space and Warfare Center and Michael T. McCarthy, Chief, LANDWARNET Division, ARCIC-CDD, US Army
1630	Transit Time					
	Horizon Scanning Chairman: Vice Admiral (ret'd), Robert Murrett, Former Director, NGA					
1635	"Revolutionise your Decision Making". The Future of Intelligence Analysis As A Service - Harry Kemsley, Global Vice President, IHS Jane's and Juliane Gallina, Partner, Director - Cognitive Solutions for National Security, IBM					
1655	From Analogue to Digital to Data: Transforming the UK Hydrographic Office for the 21st Century after 221 Years of Nautical Cartography - John Humphrey, Chief Executive, UKHO					
1720	Future of the UK National GEOINT Structure - Brigadier Benedict Kite, Commanding Officer, Joint Forces Intelligence Group, UK MoD					
1745	Chairperson's Summary - Vice Admiral (ret'd), Robert Murrett, Former Director, NGA					
1800	Main Drinks Reception					

DGI MAIN DAY 2 – January 25, 2017 – *Draft Programme* *Geospatial Intelligence for Regional and Global Security*

0800	Welcome Coffee
0830	Chairperson’s Welcome Address & Introductory Presentation: Geo-Political Change Shaping Threats to Global Security Today Vice Admiral (ret’d), Robert Murrett, Former Director, NGA
0845	Joint ISR and Intelligence Sharing as Tenets of Readiness Brigadier General Paul Nelson, Deputy Assistant General for Intelligence in NATO HQ
0910	Threats to The Future of Security in Europe Brigadier General Lars Corneliusson, Director, Intelligence Directorate, EU Military Staff Dr Gerhard Conrad , Director, EU Intelligence and Situation Centre
0935	The Migration Crisis in the Mediterranean Area: A new Challenge for Europe Hellenic Army General Staff – Speaker TBC
1000	Contextualising Increasing Operational Requirements for GEOINT in Terms of Big Data Management Pascal Legai, Director, European Union Satellite Centre
1025	Panel Discussion – How to Enable Better Sharing of Geospatial Information to Improve Mission Outcomes in Future Operations Moderator: Vice Admiral (ret’d), Robert Murrett, Former Director, NGA Brigadier General Paul Nelson, Deputy Assistant General for Intelligence in NATO HQ Brigadier General Lars Corneliusson, Director, Intelligence Directorate, EU Military Staff Pascal Legai, Director, EU Satellite Centre Joe Drummey, DNI Liaison / USDI Representative to NATO

	Robbie Schingler, Planet, Co-Founder and Chief Strategy Officer, Managing Director, Planet EU				
1105	Morning Networking Break				
	REGIONAL FOCUS: GEOINT in APAC				
1145	From Bollywood to Hollywood – Historic Challenges and Emerging Opportunities for GEOINT in the Indo-Pacific Dennis Bowerman, GEOINT Mission Manager, NGA for US PACOM				
1210	Australian Geospatial-Intelligence Organisation: Building Future GEOINT Capability Reece Biddiscombe, Senior Analyst, Australian Geospatial-Intelligence Organisation (AGO)				
1235	Panel Discussion – How Geospatial Intelligence will Enable Faster Resolution of Security Challenges in APAC Moderator: Vice Admiral (ret'd), Robert Murrett, Former Director, NGA Reece Biddiscombe, Senior Analyst, Australian Geospatial-Intelligence Organisation (AGO) A. Lyston Lea II, Defense Intelligence Senior Level (DISL), Principal Advisor, National Maritime Intelligence-Integration Office (NMIO) Dennis Bowerman, GEOINT Mission Manager, NGA for US PACOM				
1315	Lunch				
	Regional Perspectives Chair: Vice Admiral (ret'd), Robert Murrett, Former Director, NGA	GEOINT at the Tactical Edge Chair: Brigadier General Paul Hurmuz, Deputy Chief of the Defence Policy and Planning Department, Romanian Ministry of National Defence	Interoperability & Inter-Agency Co-Operation Chair: Colonel Charalampos (Babis) Paraschou, Chief Geospatial Intelligence Officer NATO RDC - Greece	Environmental Change Chair: Neil Thompson, Former Commanding Officer, Canadian Forces Joint Imagery Centre	Future of Geospatial Analysis Chair: Susan Oakley, Director Business Development, BAE Systems Information Technology
1415	Jordan GeoPortal: Towards a Comprehensive Strategy of National and Regional Security Dr. Awni Moh'd Al-khasawneh Director General of The Royal Jordanian Geographic Center	Designing for the Future: How the US Army is Creating the Next Generation Communications and Network Requirements for Tactical Formation for 2040 and Beyond Michael T. McCarthy, Chief, LANDWARNET	Challenges for Civil-Military Cooperation in Geosciences and Geo-Intelligence Brigadier Friedrich Teichmann, Director, Geospatial Department, Austrian Armed Forces	Satellite-Based Information for Environmental and Climate Security Services Joseph C. Casas, Missions Formulation Manager, Science and Space Technology Projects Office and Manager, OSD JCTD Arctic Collaborative	Leaders' Dialogue - Preparing for the Future Operating Environment Together: How Collaboration can Optimize the Training of the Future Geospatial Analyst Moderator: John Knight, Principal, Royal School of

		Division, ARCIC-CDD, US Army		Environment (ACE) Science and Technology, NASA MSFC	Military Survey Monique Yates, Director of NGA College, NGA
1435	Using the Cloud to Optimise Visualization, Analysis, and Sharing of your Mission Critical National Geospatial Data to Improve National Security Brad Ward, Senior Vice President, Intergraph Government Solutions, Hexagon US Federal	Future Geospatial Interoperability for the ABCA Armies Major Dave Campey, SO2 Geo IX ISR PED, Directorate Information, Army Headquarters Nancy Towne, Army Geospatial Data Modeling Team, System Acquisition Support Directorate, Army Geospatial Center	All Data Was Not Created Equal Jim Dolan, Vice President, Strategy and Business Development, Illuminate	Using Meteorological Geospatial Understanding to Support UK Cross-Departmental Contributions to Multi-National Crisis Preparedness and Humanitarian Relief Gavin Iley, Head of International Crisis Management & Resilience, Met Office	Lt Colonel Claire Bramma, Commanding Officer, Mapping and Charting Establishment (MCE), Canadian Armed Forces Lt Colonel Anders Haavik-Nilsen, Chief Instructor, Norwegian Military Academy
1455	How NGA Delivers Geospatial Support to Commander US AFRICOM Shawn Stith, Defense Intelligence Senior Executive Service NGA Support Team - USAFRICOM	European Cooperation to Find New Ways to Effectively Exploit Radar Imagery for Actionable Intelligence at the Tactical Level Davide Di Domizio, Project Officer Space, European Defence Agency	Information Management in Humanitarian Disaster Response Nigel Press, Chairman, Map Action	How is the Arctic Collaborative Environment (ACE) Joint Capability Technology Demonstration (JCTD) Supporting Arctic Researchers, Students, Search-and-Rescue Operators Stephen L. Spehn, Deputy Science Advisor U.S. European Command	Explaining the Benefits of Object-Based Analysis (OBA) To Enable Richer Geospatial Intelligence Now and in the Future Dr Todd S. Bacastow, Professor of Practice for Geospatial Intelligence College of Earth and Mineral Sciences Pennsylvania State
1515	NORAD-USNORTHCOM GEOINT and the Arctic Dr. Hal Moore, GS15, DAFC Chief, Homeland Defense, NORAD USNORTHCOM J8 Office of Science &	Experiences of a Small Geo-organization Meeting National Requirements for Better Geospatial Intelligence Colonel Tore Brendan,	Panel Discussion: Civil-Military Co-operation on Geospatial Information Sharing for Emergencies and Crisis Response Moderator: Brigadier	Biological Effects on Geo-Acoustics Dr Chotiros, Nicholas Associate Director, US Office of Naval Research Global	The Joint Military / Civilian Program Delivery Approach – How Algonquin College works alongside the Mapping and Charting

	Technology	Commanding Officer, Norwegian Military Geographic Service, Norwegian Army	Friedrich Teichmann, Director, Geospatial Department, Austrian Armed Forces Nigel Press, Chairman, Map Action Dr Einar Bjorgo, Programme Manager, UNOSAT, UNITAR Alessandro Carrotta, Policy Officer, European Commission Directorate General for European Civil Protection and Humanitarian Aid Operations (ECHO) Dr. Emlyn Hagen, Disaster Risk Reduction Program Manager, iMMAP		Establishment (MCE) to keep their members at the cutting edge of Geomatics Technology and Tradecraft Kevin Crichlow, Professor Canadian Military Geomatics Training, Algonquin College
1545	Afternoon Break				
	Lessons Learned for Future Operations				
1615	Lessons Learned Sharing Geospatial Information in Diverse Collaborative Operations - Lt Colonel Nicky Bell, Commanding Officer, 42 Regiment, Joint Forces Intelligence Group, UK MoD				
1650	UN Deployment of Geospatial Intelligence for Humanitarian and Disaster Relief Missions - Dr Einar Bjorgo, Programme Manager, UNOSAT, UNITAR				
1715	Lessons Learned Responding to the Migration Crisis in Europe - Piotr Malinowski, Head of Service Development, Operational Division, Frontex Situation Centre				
1740	Unconference Live: Final Chance to Ask Questions - Vice Admiral (ret'd), Robert Murrett, Former Director, NGA				
1745	End of Conference				

Please Note: with some confirmed senior leaders discussions are ongoing about timing and title for their sessions across the 3 day