

## 23 - 27 APRIL 2012

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### Know Our Advisory Board and Programme Committee

## Advisory Board

#### Prof. Ian Dowman

Emeritus Professor of Photogrammetry and Remote Sensing & Editor-Europe Geopatial World, UK

#### Rob van de Velde

Director, Geonovum, The Netherlands

#### Kees de Zeeuw

Director, Cadaster, Land Registry & Mapping Agency, The Netherlands

#### Sanjay Kumar

CEO, Geospatial Media and Communications,

#### Prof. Orhan Altan

President, International Society for Photogrammetry and Remote Sensing (ISPRS)

#### Alessandro Annoni

Head, Spatial Data Infrastructure Unit, Joint Research Centre, European Commission, Italy

#### Jan Willem van Eck

President, Geo-Information, The Netherlands

#### Prof. Henk J Scholten

CEO, Geodan, The Netherlands

#### Prof. Josef Strobl

Director, Centre for Geoinformatics University of Salzburg (Z\_GIS), Austria

#### Dr. R Siva Kumar

CEO, National Spatial Data Initiative Department of Science and Technology, India

#### Prof. Dr. Ing. Christian Heipke

Institute for Photogrammetry and GeoInformation (IPI), Leibniz University

#### **Prof. Karl Donert**

President, European Association of Geographers, ÚK

#### Mark Reichardt

President & CEO Open Geospatial Consortium, USA

#### Prof. Milan Konecný

Professor, Masaryk University, Czech Republic

#### Prof. Abbas Rajabifard

President, Global Spatial Data Infrastructure Association

#### Aida Opoku Mensah

Director-ICTs & S&T Division United Nation Economic Commission for Africa, Ethiopia

#### Bryn A Fosburgh

Vice President & General Manager, Trimble Navigation, USA

#### Dr. Derek Clarke

Chief Director - Survey and Mapping & National Geospatial Information, Department of Rural Development & Land Reform South Africa

#### Jack Dangermond

Founder and President, Esri, USA

#### Juergen Dold

President, Hexagon Geosystems, Switzerland

#### Kamal K Singh

Chairman and Managing Director, Rolta India

#### Matthew O'Connell

Chief Executive Officer, GeoEye, USA

#### **Ed Parsons**

Geospatial Technologist, Google, USA

#### Dr. Asep Karsidi

Head, Bakosurtanal, Indonesia

#### Chris Holcroft CGeog (GIS)

Director & CEO Association for Geographic Information, UK

#### Dr. Shailesh Nayak

Secretary, Ministry of Earth Sciences & Chairman, Earth Commission Government of India

#### Swarna Subba Rao

Surveyor General of India, Survey of India

#### **Dr. Luiz Paulo Souto Fortes**

Director of Geosciences Instituto Brasilerio de Geografia e Estatistica - IBGE, Brazil

#### Datuk Prof. Sr Dr. Abdul Kadir Bin Taib

Director General Department of Survey and Mapping (JUPEM) Malaysia

#### Eng. Mohammed Al Zaffin

Director- Information Technology Dubai Muncipality, UAE

#### Prof. Fraser Taylor

President, International Steering Committee for Global Mapping (ISCGM), Canada

#### Dr. Khalid Al Haidan

Director, Central Informatics Organisation Kingdom of Bahrain

#### **Keith Masback**

President, United States Geo-Intelligence Foundation (USGIF), USA

#### Dr. Ger Nieupoort

Director, Netherland Space Office The Netherlands

#### Camille A.J. van der Harten

GeoBusiness Nederland

#### Alain De Taeye

Member of the Management Board The Netherlands

## Programme Committee

#### Kees de Zeeuw

Director, Cadaster, Land Registry & Mapping Agency, The Netherlands

#### Dr. Zaffar Sadiq Mohamed-Ghouse

Lead Consultant-Spatial Information & Practice Leader - Spatial Database Management & Mapping, Sinclair Knight Merz (SKM), Australia

#### Valéria Oliveira Henrique de Araújo

Directorate of Geosciences Instituto Brasilerio de Geografia e Estatistica - IBGE, Brazil

#### Adam C. Denman

Vice President & Managing Director (Europe) Intermap Technologies, Germany

#### Dr. Jinsoo You

Chair, Open Geospatial Consortium (OGC) Korea, South Korea

#### **Norman Banks**

Southern Mapping Company, South Africa

#### Dr. M. M. Yagoub

Frm, Director, Master Program of Remote Sensing and GIS and Frm, Head, Geography Department, Associate Professor of Remote Sensing and GIS, UAE University, UAE

#### Eng Khalid A. Al Hammadi

Chief GIS, Central Informatics Organisation Kingdom of Bahrain

**Dr. Tania Maria Sausen**Director, "Brazil Campus" of the
Regional Centre for Education in Space
Science and Technology Education in Latin America and The Caribbean, Brazil

#### Dr. Hussein Farah

Director General, Regional Centre for Mapping of Resources for Development

#### Esteban Tohá González

**Executive-Secretary** National System of Coordination of Territorial Information (SNIT)

#### Dr. Hrishikesh Samant

Associate Professor, St. Xavier's College and Honorary Editor, Geospatial Media and Communications, India

#### Anamika Das

Product Manager - Conferences Geospatial Media & Communications, India

#### Megha Datta

Senior Manager - Partner Alliances Geospatial Media & Communications, India





## Geospatial World Forum

As the premium global geospatial industry event, Geospatial World Forum will bring the stakeholders — solution providers, policy makers as well as users — to a single platform, providing unparalleled opportunities for discussion, debate and interaction. Geospatial World Forum is a platform of convergence for all stakeholders of global geospatial community, policy makers and end users of geospatial information. It is a confluence of a variety of activities in the form of plenary, symposia, seminars, workshops, panel discussions, exchange forums - covering the vast gamut of technology,

application, policy, user cases studies from the region and from across the world. True global character and composition of this event has attracted attention from several countries to host this event. Responding to the recommendations of our advisory Board and suggestions from our partners, Geospatial Media and Communications has taken this initiative to organize Geospatial World Forum in Amsterdam, The Netherlands in 2012.



#### THEME

## Geospatial Industry & World Economy

The road to recovery from the Great Recession is proving to be long, winding and rocky. After a year of fragile and uneven recovery, growth of the world economy is now decelerating on a broad front. There is an immediate need to deal with effects of job losses and high foreclosure rates on communities. Revitalizing the economy is a formidable task that will require innovative approaches to challenges like modernizing energy generation and rebuilding the nation's infrastructure. Unlike previous recessions, government and businesses have a powerful technology for dealing with diagnosing and treating the ailing economy at the local, national and global level. Geospatial technologies have evolved beyond the organizational level to become a framework for managing and analyzing data, modeling scenarios, supporting decision making & disseminating



information. Economy developers need effective decision-making tools that help them conduct analysis, display and disseminate results and make informed decisions about where to locate new businesses or grow existing ones. Geospatial technology has proven to be powerful and effective in delivering these functionalities to help economy developers sustain economic recovery and growth.

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CONNECTING COMMUNITIES

Policy Communities I User Communities |

**Decision Makers I Technology Solution** 

Providers | Academia | Users



GLOBAL OUTREACH



Asia Pacific | Middle East | Africa | Latin America | Europe | North America



Symposia | Seminars | Exchange Forums | Workshops I Technical Sessions I **Technology Tracks** 

## Geospatial Industry shall be the next frontier in information revolution



"Geospatial encompasses in itself anything and everything that is geo-referenced and spatial in its characteristics and content. And so as 'geospatial industry' is anything and everything that is associated with science, technology and applications of geospatial data"



Data Type Navigation > Cadastral > 3D Imagery > Topographical

Technologies Telecommunications > Geospatial > Mobile devices > Web > Sensors > Cloud Computing

Applications

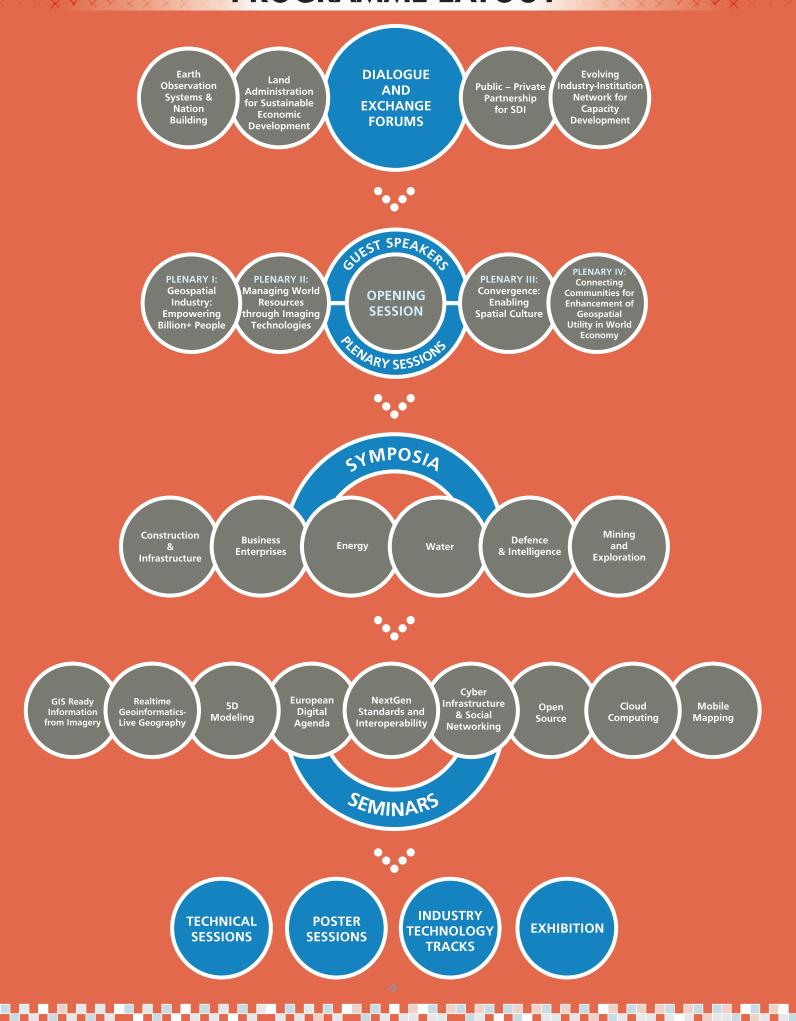
Engineering > Infrastructure Land & Real Estate > Utilities

- > Defence & Security > Natural Resource Management
- > Enterprise & Business Processes > Municipality & Local Governance > Public Safety > LBS & Consumer Applications



'Number of geospatial users passed 100 million and the amount of money moving in the market is nearing \$40bn. Growth in the next decade requires the introduction of continent-wide data with higher geospatial accuracy. Fuelled by location enabled consumer markets and prospects of 20% + growth of professional markets in emerging economics including China, India, Brasil, Russia, geospatial industry shall touch \$100 bn by 2015.'

## PROGRAMME LAYOUT





## 🔀 Guest & Plenary Speakers



Dr. A P J Abdul Kalam 11th President Republic of India



**Dorine Burmanje** Chair Executive Board Cadastre, Land Registry & Mapping Agency The Netherlands



Prof. Jacqueline McGlade **Executive Director** European Environment Agency Denmark



Dr. Wubbo Johannes **Ockels** Professor of Aerospace for Sustainable Engineering and Technology Delft University The Netherlands



Dr. F J Radermacher Director, Forschungsinstitut fuer anwendungsorientierte Wissensverarbeitung/n (FAW/n) Germany



Steven W Berglund President and CEO Trimble Navigation USA



K K Singh Chairman and Managing Director



**Jack Dangermond** Founder and President USA



Ola Rollén CEO, President and Director Sweden



**Greg Bentley** CEO Bentley



Matthew O'Connell CEO, President and Director GeoEye LISA



**Todd Oseth** President and CEO Intermap Technologies



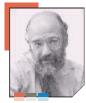
Dr. Steven Hagan Senior Vice President Server Development Technologies, Oracle



Alain De Taeye Member - Management Board TomTom The Netherlands



A J Baayen Managing Director Deltares The Netherlands



**David Schell** Chairman Open Geospatial Consortium



Mitrasen Bhikajee Deputy Executive Secretary Intergovernmental Oceanographic Commission, UNESCO



Jean-François Rocchi President BRGM France



**Paul Cheung** United Nations Statistics Division



Yoichi Sugimoto President and CEO PASCO Corporation Japan



**David Maguire** Vice Chancellor Greenwich University



Prof. Józef Dubinski President World Mining Congress Poland



Dr. B V R Mohan Chairman & Managing Director Infotech Enterprises



Kanwar Chaddha CMO & Member of the Board of Directors CSR & Founder SiRF Technologies

## Chairpersons and Moderators



Ingrid Vanden Berghe Administrator-General National Geographic Institute



Dr. Vanessa Lawrence CB Director General and Chief Executive Ordnance Survey, UK



Dr. Shailesh Nayak Secretary, Ministry of Earth Sciences Chairman, Earth Commission Government of India



Kees de Zeeuw Director Cadastre, Land Registry & Mapping Agency The Netherlands



Alessandro Annoni Head, Spatial Data Infrastructure Unit Joint Research Centre European Commission, Italy



Prof. Ian Dowman Emeritus Professor of Photogrammetry and Remote Sensing & Editor-Europe Geopatial World, UK



**Prof. Henk Scholten** Geodan The Netherlands



**Keith Masback** President United States Geo-Intelligence Foundation (USGIF) USA



Jan Willem van Eck Director of Strategy, Esri Nederland & President, Geo-Informatie Nederland The Netherlands



**Prof. Karl Donert** President European Association of Geographers



**Prof. Josef Strobl** Director, Centre for Geoinformatics University of Salzburg



Dr. Ing. Christian Heipke Managing Director, Institute of Photogrammetry and GeoInformation Leibniz University of Hannover, Germany



**M Christian Braux** Head - Mineral Resources BRGM France



Mark Reichardt President and CEO Open Geospatial Consortium



**Prof. Orhan Altan** President International Society for Photogrammetry & Remote Sensing



Prof. Dr. Ir. A.K. (Arnold) Bregt Professor Geo-information Science Centre for Geo-Information Wageningen University The Netherlands



Dr. Ir. Martien Molenaar Professor, Geoinformatics and Spatial Data Acquisition. Geo-Information Science and Earth Observation (ITC) The Netherlands



Swarna Subba Rao Surveyor General of India Survey of India



Mag. Dr. Georg Gartner Research Group Cartography Department of Geoinformation Vienna University of Technology Austria & President International Cartography Association (ICA)



Prof. Gottfried Konecny Emeritus Professor-Photogrammetry & RS & Former Head - Institute of Photogrammetry & GeoInformation, Leibniz Universität Hannover, Germany



**Arnulf Chirstl** President OS Geo

#### Exchange Forum on Land Administration for Sustainable Economic Development

#### Chairperson



Kees De Zeeuw Director Cadastre, Land Registry and Mapping Agency The Netherlands



- Discuss attributes of some 'best practices' in land administration systems around the world where support in sustainable economic development is concerned
- Bring out the challenges faced while implementing such systems in a transparent and accepted way on a local level in support of improving investment climate
- Outline and discuss ways to overcome these challenges and
- Determine processes that can lead to improvements in land administration systems in respective countries

Please note that participation to this Pre-Conference Forum, scheduled for April 23<sup>rd</sup> is on invitation basis only. For queries please contact Ms. Megha Datta at megha@geospatialmedia.net

#### **Speakers**



Y.Bhg. Dato' Haron Bin Abdul Kader Director-E-Tanah Project Team Ministry of Natural Resources & Env, Malaysia



R P R Rajapaksha Land Commissioner General Land Commissioner General's Department Sri Lanka



Eng. Didier G Sagashya Deputy Director General Rwanda Natural Resources Authority, Rwanda



Alexander Gonzalez Director World Bank Project Land Administration Costa Rica



Bryn A Fosburgh Vice President and General Manager Trimble Navigation USA



Vo Anh Tuan Deputy Director VLAP General Department of Land Administration, Vietnam



**Anna Namhindo** Director of Survey and Mapping Ministry of Lands Namibia



Juergen Dold Hexagon Geosystems Switzerland



Margrét Hauksdóttir Deputy Director General Registers Iceland Iceland



Sedat Bakici Director General Directorate Geographical Infosystems



Eng. Dr. Prof. Moha El-Ayachi Head - Geodesy & Surveying School of Geomatic Sciences & Surveying Engineering, Morocco



**Prof. Apostolos** Arvanitis President and Managing Director KTIMATOLOGIO S.A. (Hellenic Cadastre), Greece



Dr. Dimitris Rokos Director of Planning & Investments KTIMATOLOGIO S.A. (Hellenic Cadastre), Greece



Silke Handley Economic Affairs Officer, Trade & Sustainable Land Management, UNECE Switzerland



**Daniel Eriksson** Director & Senior Head Information Management Geneva International Centre for Humanitarian Demining, Switzerland



Tonny L Mwanalushi\* Assistant Surveyor-General Survey Department Ministry of Lands, Zambia



Hernan Bianchi Benguria\* Prof. Dr. Jaap Head of Department of Territorial Studies, National Property Division Ministry of National Property



Zevenbergen The Netherlands



Dr. Selassie D. Mayunga Director General, Ministry of Lands, Housing and Human Settlements Development



**Nathalie Marthe Bismuth** General Manager IGN France International

\* Tentative Confirmations



#### Exchange Forum: Public Private Partnership For Spatial Data Infrastructure

#### Chairperson



Alessandro Annoni Head, Spatial Data Infrastructure Unit Joint Research Centre, European Commission Italy

# CO-ORGANISER JRC EUROPEAN COMMISSION Joen Research Centre

- Bridge the gap between the public and private entities who are key stakeholders of PPP model for SDIs
- Brainstorm on viable financial models of PPP for SDIs
- Identify the road blocks in achieving success within these models
- Identify ways and means of overcoming the above mentioned road blocks
- Identify the unique regional or country specific characteristics of SDI that can lend to ease of development of PPP
- Identify steps that government agencies can take to invite or encourage Private Sector participation in SDI
- Outline benefits for private sector to contribute and participate in SDI

#### **Speakers**



**Dr. R Siva Kumar**Chief Executive Officer
National Spatial Data Infrastructure
India



**Dr. Luiz Paulo Souto Fortes**Director of Geosciences
Instituto Brasileiro de Geografia
e Estatística - IBGE, Brazil



**Hugo DeGroof**DG Environment-F-4 & Chief Scientist,
Research & Innovation Unit
European Commission
Belgium



Dr. Derek Clarke
Chief Director: National Geospatial
Information & Surveys and Mapping
Department of Rural Development
& Land Reform, South Africa



Maarten van Gool Managing Director Licencing Business Unit TomTom The Netherlands



Rob van de Velde Director GeoNovum The Netherlands



Camille AJ van der Harten Director, GeoBusiness Nederland The Netherlands



**Dr. Khalid Al Haidan**Director
Central Informatics Organisation
Kingdom of Bahrain



Daniel Shannon Sr. Program Manager Telus



Mladen Stojic Senior Vice President ERDAS, Intergraph



**Steven Ramage**Executive Director Marketing and Communications
OGC, Norway



Fuziah Bt Abu Hanifah President and Managing Director Director Malaysia Centre for Geospatial Data Infrastructure (MaCGDI), Malaysia



**Ed Parsons**Geospatial Technologist
Google
UK



Jean-Philippe Grelot
Deputy Director General
IGN France
France



Ivan DeLoatch\*
Executive Director
Federal Geographic Data Committee
USA



Bruce Thompson Chief Information Officer Corporate and Business Services Department of Sustainability and Environment, Australia



Antti Jakobsson Programmes Manager EuroGeographics Belgium



**Olaf Magnus Ostensen** Director Norwegian Mapping Authority Norway

-13-



**Dr. Robert F Austin**Enterprise Applications
Integration Manager
Technology and Innovation
City of Tampa, USA



Dr. Hiroshi Murakami\* Director General Geospatial Information Department Geospatial Information Authority Japan



### Exchange Forum: Earth Observation Systems & Nation Building

#### Chairperson



Prof. Ian Dowman
Emeritus Professor of
Photogrammetry and Remote
Sensing & Editor-Europe
Geopatial World. UK



- A unique platform for dialogue amongst various stakeholders of the Earth observation community
- Understanding of policies and the connectivity with national programmes and projects
- Sharing of knowledge and learning from best practices and policies
- Capacity development for utilization and deployment of Earth observation projects and programmes
- Advocacy for maximizing benefits of Earth observation for nation building

Please note that participation to this Pre-Conference Forum scheduled for April 23<sup>rd</sup> is on invitation basis only. For queries please contact **Ms. Vaishali Dixit at vaishali@geospatialmedia.net** 

#### **Speakers**



Prof. Dr. Ir. Tom Veldkamp Rector ITC The Netherlands



Prof. Orhan Altan President International Society for Photogrammetry & Remote Sensing (ISPRS)



Dr. Somchet
Thinaphong
Chairman, Geo-Informatics
and Space Technology
Development Agency (GISTDA)
Thailand



**Dr. S O Mohammed**Director General & Chief Executive
National Space Research and
Development Agency (NASRDA)
Nigeria



Lt. Col. Ali Al Shehhi Ground Station Manager Space Reconnaissance Centre IJAF



**Dr. Geoff Sawyer** Secretary General European Space Agency Belgium



**Dr. Gunter Scherier**Deputy Head DLR
German Remote Sensing
Data Centre, Germany



John Hornsby Senior Director - Geospatial Strategy MDA Corporation Canada



José Achache Former Director The Group on Earth Observations (GEO) Secretariat Switzerland



**Dr. Ger Nieupoort**Director
Netherland Space Office
The Netherlands



Katherine Sandford General Manager Utilities Field Solutions Group Trimble USA



Dr. Beverley J Adams\*
Principal
Beverley Adams Consulting

-14- \* Tentative Confirmations



#### Exchange Forum: Evolving Industry-Institution Network for Capacity Building

#### Chairperson



**Prof. Karl Donert** European Association of Geographers, UK



- Identify the present and future HR need of the Industry
- Understand and bring about clarity with regards to the skill sets required by the Industry
- List the present day offerings from the Institutions and pin point the lacunae from a curriculum development point of view
- Identify regional constraints on capacity development
- Exchange of ideas between Industry and Institutions leading to relevance and marketability of the trained human resource
- Evolve a streamlined process for the offer of internships by Industry leading to live project experience for the trainees
- Evolve mechanisms for the Endorsement of curricula by Industry
- Offer a platform for networking between the Trained Human Resource Producers (Institutions) and the Geospatial Industry

#### **Guest Speaker**



11th President Republic of India

#### **Speakers**



Dr. A P J Abdul Kalam Jack Dangermond Founder and President LISA



Prof. Henk Scholten CEO Geodan The Netherlands



Prof. Josef Strobl Director, Centre for Geoinformatics University of Salzburg Austria



Prof. Dr. Ir. Tom Veldkamp Rector The Netherlands



Dr. Ing. Christian Heipke Managing Director Institute of Photogrammetry and GeoInformation Leibniz University of Hannover, Germany

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- Hear Hexagon President and CEO Ola Rollén's visionary plenary address on Tuesday

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# Programme Schedule

Programme Scheaute							WORLD				
									VV	JKLL	
23 April, 201 08:00 - 18:00	2	Exchange Forum	la (Participation by invi	Exchange F	orum						
		Land Administration for Sustainable Economic Development Earth Observation Systems and Nation Building							EC		
24 April, 201	2	Main Conference Agenda								ואוטחי	
Time (in hrs)		Hall 1									
0900 - 1030		Opening Sesion									
1030 - 1115		Networking Coffee / Tea Break									
1115 - 1300		Plenary 1 Geospatial Industry: Empowering Billion+ People									
1300 - 1400	_	Lunch							_		
1400 - 1600		Plenary 2 Managing World Resources through Imaging Technologies									
1600 - 1730		Inauguration of Exhibition	on and Visit to Exhibition								
1700 - 1900		Beer Break									
1900 - 2100		Award Nite followed	by Dinner Reception								
25 April, 201	2										
Time (in hrs)		Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9	Hall 10	
0900 - 0945	Guest Address										
0945 - 1130	Plenary 3 Convergen	ce: Enabling Spatial Cu	ılture								
1130 - 1300	Networking Coffee / Te	ea in Exhibition Area				_	_	_	_	_	
1300 - 1400	Lunch										
1400 - 1530	<b>Exchange Forum</b> Evolving Industry Institution Network for Capacity Development	<b>Symposium</b> Energy	<b>Symposium</b> Defence & Intelligence	<b>Symposium</b> Water	<b>Symposium</b> Business Enterprises	Symposium Construction and Infrastructure	<b>Symposium</b> Mining & Exploration	Seminar Open Source	Seminar Mobile Mapping	Technology Track	
1530 - 1600	Networking Coffee / Te	a Break in Exhibition A	rea								
1600 - 1800	<b>Exchange Forum</b> Evolving Industry Institution Network for Capacity Development	<b>Symposium</b> Energy	<b>Symposium</b> Defence & Intelligence	<b>Symposium</b> Water	<b>Symposium</b> Business Enterprises	Symposium Construction and Infrastructure	<b>Symposium</b> Mining & Exploration	Seminar Open Source	<b>Seminar</b> Mobile Mapping	Technical Session	
26 April, 201				11 11 4						11 11 40	
7000 0045	Hall 1 Guest Address	Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9	Hall 10	
	duest Address										
0945 - 1130			ancement of Geospatia	al Utility in World Econo	omy						
1130 - 1300 1300 - 1400	Networking Coffee / Te	a in Exhibition Area									
	Exchange Forum Public - Private Partnership for SDI	<b>Symposium</b> Energy	<b>Symposium</b> Defence & Intelligence	<b>Symposium</b> Water	<b>Symposium</b> Business Enterprises	<b>Symposium</b> Construction and Infrastructure	Symposium Mining & Exploration	Seminar RealTime Geoinformatics - Live Geography	<b>Technical Session</b> Photogrammetry	Technology Track	
1530 - 1600	Networking Coffee / Te	a Break in Exhibition A	rea								
	<b>Exchange Forum</b> Public - Private Partnership for SDI	<b>Symposium</b> Energy	<b>Symposium</b> Defence & Intelligence	<b>Symposium</b> Water	<b>Symposium</b> Business Enterprises	<b>Symposium</b> Construction and Infrastructure	Symposium Mining & Exploration	Seminar RealTime Geoinformatics - Live Geography	<b>Technical Session</b> 3D Modeling	<b>Technical Session</b> Cartography	
27 April, 201 Time (in hrs)		Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9	Hall 10	
0900 - 1030	Exchange Forum	Seminar	Seminar	Seminar	Seminar S	Seminar Seminar	Seminar	Technology Track	Technical Session	Technical Session	
	Public - Private Partnership for SDI  Networking Coffee / Te	European Digital Agenda	5D Modelling	Cloud Computing	GIS Ready Information from Imageries	Cyber Infrastructure & Social Networking	NextGen Standards & Interoperability	icamology man			This is a tentative agenda. For updated information, please visit:
		Seminar	Seminar	Seminar	Seminar	Seminar	Seminar	Technical Session	Technical Session	Technical Session	www.geospatialworldforum.org
1100 - 1230	<b>Exchange Forum</b> Public - Private Partnership for SDI	European Digital Agenda	5D Modelling	Cloud Computing	GIS Ready Information from Imageries	Cyber Infrastructure & Social Networking	NextGen Standards & Interoperability	Environmental Management	recimical Session	recillical Session	

GEOSPATIAL

#### **Speakers**



Adri de la Ray GIS Manager ESKOM South Africa



Joep Luijten Senior Manager, Technology Services Geographic Information Systems Capgemini, Belgium



Jack Verouden Data Management & Geomatics Manager, Shell International Exploration & Production, The Netherlands



Richard Zambuni Global Marketing Director Geospatial and Utilities Bentley, UK



Aisha Salem Al Khail Abu Dhabi Company for Onshore Oil Operations (ADCO)



Dr. Ir. Linda Carton Assistant Professor-Spatial Planning Nijmegen School of Managemnet, Radboud University The Netherlands

## Energy

- **Smart Grids**
- Geospatial for Asset Management & **Grid Analysis**
- Geospatial technologies for Power Market Assessments
- GIS for managing right-of-way activities like planning and management, property appraisal, property acquisition
- Geospatial tools for assessing renewable energy potential of a site



#### Chairperson



Prof. Dr. Ir. M (Martien) Molenaar Professor, Geoinformatics and Spatial Data Acquisition, Geo-Information Science and

Earth Observation (ITC)



**Speakers** 

Dr. Rob Vertessy Director (Acting) Australian Bureau of Meteorology Australia



Daan van Os Advisor Brabant Water The Netherlands



Dr. Dimitri Solomatine Professor of Hydroinformatics UNESCO-IHE The Netherlands



Slavco Velickov Water Industry Sales Director FMFA. Bentley The Netherlands



**Richard Appiah Otoo** Head GIS Ghana Water Company Limited Ghana



Business Line Manager Built Environment TNO The Netherlands



Dr. C N (Chris) Bremmer Helena Fourie Sub-Directorate Geographic Information & Archiving Department of Water Affairs South Africa



Eng. Atif A Karrani Head of GIS Department Sharjah Electricity & Water Authority

### Water

- Hydrologic & Hydraulic Analysis using
- Watershed Management using Geospatial Technologies
- Water Quality monitoring using Remote Sensing & GIS
- Geospatial modeling of recharge zones
- Vulnerability analysis
- Water supply & Drainage Systems
- National Hydrography Dataset
- Hydrologic Information Systems





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- Rolta OneView Mobile™ Synchronizes office and field workforce for enhancing productivity
- Rolta Geomatica™ Integrated system for Remote Sensing and Image Processing
- Rolta Geolmaging Accelerator™ An automated image processing system enhancing speed and efficiency
- Rolta Photogrammetry™ Comprehensive suite of 3D digital Map production solution with multi-sensor support
- Rolta GeoCAD™ Public Safety Solution for Incident Management and Emergency Response
- Rolta CommandBridge™ Situational awareness & response solutions for maritime security & critical infrastructure protection



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www.rolta.com

#### **Speakers**



Ir. René van der Plas Director Port Development & Construction Port of Rotterdam The Netherlands



Director Utility Industry Program, Autódesk



Frans Van Surksum Manager Registration Landbase Volker Wessels Telecom, The Netherlands



van der Weijde General Manager GEODAN The Netherlands



Ton de Vries Solutions Executive Government, Bentley



Caroline J **Groot Msc** Senior Advisor Strategy & Policy, Cadastre Land Registry & Mapping Agency The Netherlands

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#### Construction & Infrastructure

- Green Construction & Infrastructure
- Address Aging Infrastructure
- Sustainable Infrastructure
- Integrating GIS with CAD and BIM
- Geospatial technologies for surveying & urban planning
- Challenges and approaches to data standardization and systems interoperability
- Development, design and digital mapping for various transportation verticals



VeldhuisHoofd Asset Management Software Grontmij Nederland B.V.





Kiran Solipuram Telecom Consultant Infotech Enterprises Ltd India



**David Rimmington** Regional Sales Manager Cadcorp

#### **Speakers**



**Tony Boobier** EMEA Insurance Leader IBM Business Analytics IBM UK Ltd



Ing. A A M (Bart) Kusse Manager Competence Center Geo-ICT, Capgemini The Netherlands



Gool Managing Director Licensing Business Unit, TomTom The Netherlands



**Upendra Kasam** Senior Project Manager Consulting Manager Infotech Enterprise



Karolina van Schrojenstein Lantman - Orlinska Geospatial Advisor Grontmij Nederland B.V.



Hans Viehmann Senior Sales Consulting Manager, Oracle Deutschland Germany



Dr. Robert F Austin Enterprise Applications Integration Manager Technology & Innovation City of Tampa, USA



**Karl Mullins** Principal Consultant Assimil8 Limited, U.K



Joachim Figura CEO, CISS TDI GmbH Germany



**Daniel Shannon** Sr. Program Manager Telus, USA

## Business Enterprises

- Strengthening the business plan using
- Geospatial Technologies
- Requirements of a successful Business
- Intelligence model using Geospatial technologies
- Service Oriented Architectures
- Inventory Control using RFID
- Success stories
- Challenges experienced and the way forward



-20-





Keith Masback President USA Geospatial Intelligence Foundation



Col. Brunner
German GeoInfoService
Lead
USA



Col. John Kedar Commander Joint Aeronautical & Geographical Organisation (JAGO), MoD UK



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Adam Denman Vice President Strategic Business Development Europe Intermap, Germany



Robert Zitz
Senior Vice President &
ISR Chief Systems
Architecht, Science
Applications Intelligence
Corporation



Air Cdre Mark Ashwell (Retd) Vice President Business Development & Strategy DigitalGlobe



**Dr. A Stewart Walker** Product Director BAE Systems USA

## Defence & Intelligence

- The GEOINT Dimension of Socio-Cultural Dynamics
- Commercial Imagery for Geointelligence
- GEOINT for National and International Security
- Geospatial technologies for managing emerging threats
- Geospatial for Command & Control systems
- Geospatial technologies for Terrain
   Mapping & Modeling
- Emerging geospatial technologies for meeting security challenges
   Latest Surveillance technologies for Border Management





Dr. Christopher K Tucker Chairman and Chief Executive Officer The MapStory Foundation



Sanjay K Agarwalla Chief Executive Officer Integrated Digital Systems India



Lt. Col. Ali Mohammad Al Shehhi Manager, Falcon Universal Ground Station Space Reconnaissance Centre UAE



LTG Michael Flynn
Deputy Director
National Intelligence for
Partner Engagement



Richard R Smith
Force Information Manager
British Transport Police
UK



Paulo Sergio Melo de Carvalho Brigadior General Head of Second Deputy Chief of Army Staff EME Brazilian Army General Staff



Steve P Wallach Senior Vice President Product Integration GeoEye USA



**Joerg F Herrmann** Senior Strategy Manager Astrium GmbH Germany



**Terry Ford\***Director
J2 United States Africa Command USA



Col. Andries Mahapa Senior Staff Officer South Africa Army Engineer Formation South Africa





**M Christian Braux** Head - Mineral Resources BRGM France

Francois Robida

Deputy Head Information Systems & Technologies BRGM, France



**Speakers** 

**Piyush Pandey** Chief Executive Officer India



**Marksuel Bastos** Manager- Technology Geodesy Geo-processing and Oceanography Petrobras S.A, Brazil



**Puguh Sarwanto** Head - GIS Development Total E&P Indonesia



Prof. Dr. F D (Freek) van der Meer Chairman & Vice-Dean Dept of Earth System Science University of Twente, (ITC), The Netherlands

# Geospatial technologies for Area

Mining & Exploration

- Selection ■ Fieldwork Planning & Project Designing
- using Geospatial Technologies Geospatial tools for subsurface investigation
- Spatial Modeling
- Benefits accrued-ROI

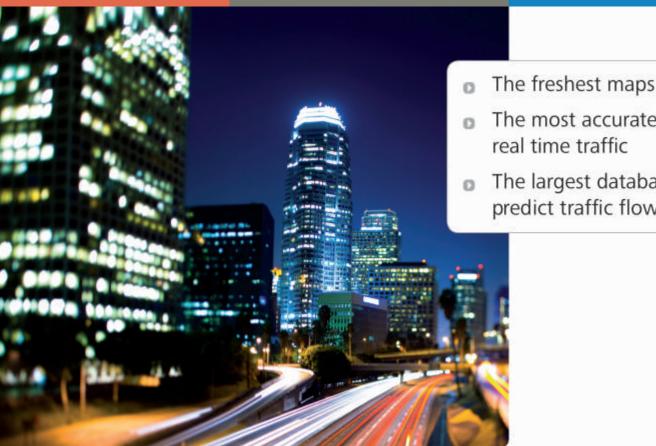




**Matthew Mccauley** Managing Director Atlass (Aust) Pty Ltd



Dr. Kumar Navulur Director - Product Management DigitalGlobe



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Prof. Dr. Ing. Christian Heipke

Managing Director, Institute of Photogrammetry and GeoInformation Leibniz Universitaet Hannover, Germany

#### **Speakers**



Prof. Dr. Ing. **Peter Reinartz** Head of Department, German



Dr. Werner Mayr Managing Director Blom Germany



Prof. Dr. Ing. **Dieter Fritsch** Head Institute for Photogrammetry



Prof. Stefan Nebiker Professor, School of Architecture Civil Engineering and Geomatics University of Applied Sciences Switzerland



Prof. Dr. Ir. M G (George) Vosselman Professor in Geo-Information Extraction with Sensor Systems University of Twente, ITC The Netherlands

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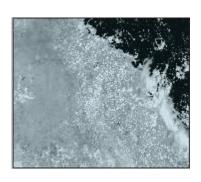
**Prof. Ian Dowman** Emeritus Professor of Photogrammetry and Remote Sensing & Editor-Europe Geopatial World, UK

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**T**UDelft

## GIS Ready Information **From Imagery**

- Role of photogrammetry and imaging in providing GIS ready information
- Advances in imaging and photogrammetry
- Applications in car navigation, disaster management & monitoring of fast growing urban centers
- Current limitations
- Prospects of future developments



#### Chairperson



Prof. Dr. Ir. P J M (Peter) van Oosterom Professor, Delft University of Technology OTB, Section GIS Technology

# The Netherlands

Dr. Michiel van der Meulen Chief Geologist TNO Geological Survey The Netherlands

#### **Speakers**



Dr. Jantien Stoter Associate Professor & Consultant Geo-ICT TU Delft & Kadaster & Geonovum, The Netherlands



**Wouter Brokx** Managing Director Imagem BV The Netherlands



Dr. Ir. Martijn Meijers Postdoc Researcher Delft University of Technology The Netherlands

## 5D Modeling

- Principles of 5D modeling, full integration of 3D space, time and
- Applications in practical situation of (subsets) of 5D models
- True vario-sacle maps explained in detail: 2D/3D space and scale
- 3D space meets time in 4D Geological models
- Requirements for 4D modeling and analysis software







**Prof. Josef Strobl** Director Centre for Geoinformatics University of Salzburg





**Euro Beinat** Vice President Location Solutions Zebra Technologies The Netherlands



GEODAN

The Netherlands

**Speakers** 

Steven Ramage **Executive Director** Marketing and Communications Open Geospatial Consortium

Prof. Henk Scholten

Chief Executive Officer



Florian Fischer Researcher, Austrian Academy of Sciences Institute for Geographic Information Science

CO-ORGANISER

University of Salzburg

## Real Time Geoinformatics **Live Geography**

- Need for real-time geoinformatics
- Latest sensor technologies, positioning & tracking technologies-CCD cameras, GPS/INS systems /map matching algorithms
- Telegeoinformatics
- Integrating GNSS positioning data to detect rapid motion and long-term movement trends
- Benefits of using real-time geographic information
- Role of geospatial technologies in supporting time-critical applications



## Chairperson

Germany

Dr. Bernd Resch Visiting Professor University of Osnabrueck



Jan Willem van Eck Director of Strategy, Esri Nederland & Administrator-General President, Geo-Informatie Nederland The Netherlands



**Speakers** 

**Ingrid Vanden Berghe** National Geographic Institute Belgium



**Prof. Karl Donert** President European Association of Geographers, UK



Tanguy De Lestré Senior Public Affairs/Policy Advisor and Coordinator AGORIA



Dr. Ir. M A Salzmann Director Strategy & Policy Cadastre Cadastre Land Registry & Mapping Agency



Dr. Paul C Smits Spatial Data Infrastructures Unit . Institute for Environment & Sustainability Joint Research Centre, Italy

## European Digital Agenda

- Geospatial technologies as an important tool for environmentally sustainable and innovative Europe
- Regional trends in policy and legislation in promoting the use of ICT and geospatial technologies in particular
- Barriers to successful implementations Way forward for promoting the use of geospatial technologies for sustainable Europe
- Role & importance of Standards & Interoperability







Mark E Reichardt
President & CEO
Open Geospatial Consortium (OGC)



Peter ter Haar Director of Products Ordnance Survey



Martin Lechner Chief Technology Officer Wikitude GmbH Austria

#### **Speakers**



Juergen Wahlen Image Analyst European Union Satellite Centre Spain



**Dr. rer. Thomas H Kolbe** Professor Technical University of Berlin Germany



Andrew Turner
Chief Technology Officer
GeolQ
USA

CO-ORGANISER

OGC



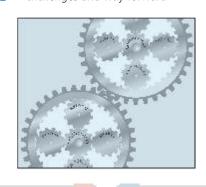
Andreas Wytzisk
CEO
52°North GmbH
Germany



Olivier Cottray
Coordinator-Information Services
Geneva International Centre for
Humanitarian Demining (GICHD)
Switzerland

## Nextgen Standards & Interoperability

- The power of interoperability and standards
- Ability of open standards to reduce costs
- Ease in integration of new data sources and technologies
   Improving interoperability standards to support
- next-generation assessments
   What's ahead for geospatial interoperability and standards
- Challenges and way forward



#### Chairperson



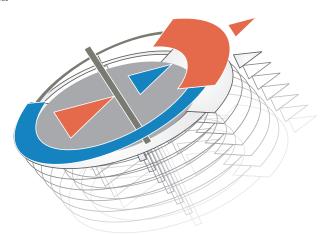
Prof. Dr. Ir. A K (Arnold) Bregt Professor Geo-information Science, Centre for Geo-Information Wageningen University The Netherlands

#### Speaker



Graham Hunter Chief Executive Officer 3D Laser Mapping Ltd UK





### Mobile Mapping

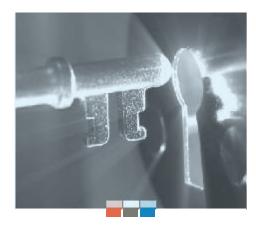
- Mobile mapping with UAV Technology
- Integrated mobile mapping systems
- Mobile 3D laser mapping
- Mobile multi-sensor systems
- 3D mobile mapping and GIS integration
- Mobile mapping applications
- Opportunities and challenges in mobile mapping for on-line services and
- consumer application



#### Open Source

- Legal, technical and business perspectives of Open Source
- Role of the OSGeo Foundation with respect to highest quality software and security of investment into Open Source Off-the-shelf private Open Source solutions ready to use in any environment
- User cases with best-of-breed Open Source software for maximizing return on investment







#### Cloud Computing

- Cloud Computing Architectures
- Innovative Cloud Applications and Experiences
- Security and Privacy in Clouds
- Business Process and Workflow Management in Clouds
- Cloud-bridging and Cloud-bursting
- Service-Oriented Architecture and Cloud Computing

## Cyber Infrastructure & Social Networking

- Overview and potential future directions of geospatial cyberinfrastructure
- Geospatial technologies for facilitating social networking for CRM
- Need for real time data
- Broadcasting via RSS or GEORSS
- Using a web-based GIS to engage citizens in development processes
- Understanding spatial arrangement of social and economic networks
- Use of geospatial technologies in currently available social networking sites

Challenges experienced



## Technical Sessions

A number of Technical Sessions will be held at the Geospatial World Forum 2012 on the following topics:

- Environmental Management
- Utility
- Surveying and Mapping
- Spatial Law
- Intellectual Property Rights
- 3D Modelling
- Photogrammetry
- Cartography
- GNSS & Location Based Services
- Remote Sensing & LiDAR
- Spatially Enabled Government
- Web & Enterprise GIS
- And many more...

For queries, write to papers@geospatialworldforum.org

## 22

#### Poster Session

Poster sessions are an innovative way to present research information to the audience. Geospatial World Forum will host a dedicated poster session where research papers submitted on various technical themes will be presented in forms of attractive posters and generate discussions around the presented research.

## 2

#### Industry Technology Tracks

Geospatial World Forum shall host a number of industry technology tracks, which are customized sessions wherein the private industry can showcase their new products, services and technologies to the audience from varied verticals. The information exchange will mutually benefit the audience as well as the industry.





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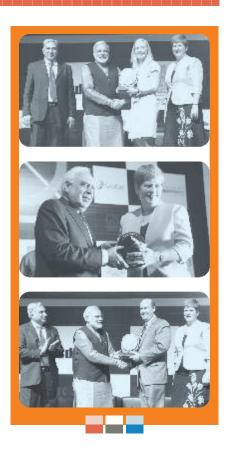


#### Geospatial World Excellence Awards

The geospatial industry has been evolving and maturing as one of the mainstream business having its own identity in world economy. Undoubtedly, this has been possible only by innovations and excellence brought forward by geospatial technology developers, professionals, end users and policy makers. In order to recognize and encourage such efforts, **Geospatial World** – *Your Geospatial Industry Magazine* published by Geospatial Media & Communications has been conferring awards and recognitions for exemplary innovations and practices in the global geospatial industry.

During Geospatial World Forum 2012 too, Geospatial World would confer the **Geospatial Excellence and Innovation Awards** to special achievements for the following categories:

- Geospatial Application Excellence Awards for exemplary usage of geospatial tools in various fields (Governance, Infrastructure, Public safety, Utilities, Design and Engineering, Environment, Agriculture, Mining and Exploration, Transportation management, Business Intelligence, Insurance, Disaster Management)
- Geospatial Technology Innovation Awards for innovations and developments in geospatial technology e.g. Remote Sensing, Photogrammetry, LiDAR, 3D Modelling, Cartography, Web GIS, Mobile mapping, Enterprise GIS, Topographic surveying instruments, GIS ready imagery etc.
- **Geospatial Policy Implementation Awards** Policy makers and implementers whose work directly impacts in development of geospatial science, technology and business may submit their nominations for this category.



Last date for Nominations: 15th January 2012

For details, visit http://awards.geospatialmedia.net/



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- Network with and impress potential partners
- Maintain and strengthen your standing within the industry
- Create a buzz around your company's latest developments

**Exhibition Dates** 

24 - 26 April 2012

**Exhibition Fees (per Sqm)** 

400 Euro

For space booking, write to info@geospatialworldforum.org





Delegate Category	Early registration (before 31st Jan 2012)	Late Registration (1 <sup>th</sup> Feb – 20 <sup>th</sup> Apr 2012)	Spot Registration (after 20 <sup>th</sup> April 2012)
Regular Govt/Private (1)	Euro 500	Euro 600	Euro 700
Academia/student (1)	Euro 325	Euro 400	Euro 500
Two Days registration (2) (valid for only 25th, 26th, 27th)	Euro 300	Euro 400	Euro 500
Exhibition visit (3)			Euro 100

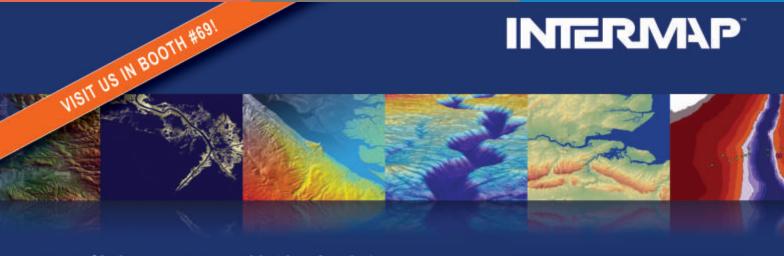
- 1. Includes access to all conference sessions, exhibitions, conference bag including the conference material, coffee breaks, lunches and receptions organised as part of the main conference.
- Includes access to conference and exhibition, conference bag including the conference material, coffee breaks, lunches and receptions organised as part of the main conference on the chosen day.
- 3. Includes only the access to the exhibition.

**Group Discounts:** A discount of 10% shall be given for a group of 5 or more delegates registering from one organization. Students are not entitled for any discounts.

Pre-conference activities are on invitation only.

To register online, visit

http://www.geospatialworldforum.org/2012/registration/form.htm



Intermap<sup>®</sup> helps customers worldwide solve their mapping challenges via our geospatial services, NEXTMap<sup>®</sup> 3D elevation data, and cloud-free orthorectified imagery.

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Plenary Speaker: Todd Oseth, President and CEO

Dialogue and Exchange Forum Speaker:

Adam C. Denman, Managing Director

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#### **Conference Venue - Amsterdam RAI Convention Centre**

Each and every year, Amsterdam RAI bids a hearty welcome to more than two million visitors. The combination of excellent service, perfect accessibility, the exciting city of Amsterdam for business and pleasure is what makes Amsterdam RAI unique. Inspiring people, that's the aim of the RAI.

The RAI is located in the south of the Amsterdam business quarter in the immediate vicinity of the World Trade Centre and only three kilometres from the historical centre of the city. Amsterdam's international airport, Schiphol, which has direct flights to over 200 cities in 97 countries, is nearby. The train from the airport takes eight minutes to reach Amsterdam RAI station. Trams and buses to the city centre stop in front of the RAI.

#### **Amsterdam RAI**

Europaplein 22, NL 1078 GZ, Amsterdam

#### How to get to Amsterdam RAI

Please view the Amsterdam RAI website: www.rai.nl.
After you have clicked the button for English (English flag at top right of home page), go to Route & Contact at the top right of the page. There you will find a pdf document "How to Reach Amsterdam RAI"

#### Currency

The currency in The Netherlands is EURO (EUR). For up-todate exchange rates, please refer to a currency exchange site on the Internet, e.g. www.xe.com/ucc

#### **Tourist Information**

For tourist information on Amsterdam and The Netherlands, please refer to the following websites: http://www.iamsterdam.com and http://www.holland.nl

#### Visa

Don't forget to check with your travel agency, or with the Dutch consulate or embassy in your country, if you need a visa to enter the country.

#### Hotel accommodation

Accommodation bookings can be made on-line at: http://www.geospatialworldforum.org/2012/accommodation.htm





Geospatial World Forum 2012 Secretariat
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1043 BP Amsterdam
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#### **EXHIBITION & GENERAL ENQUIRY**

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#### **CONFERENCE PROGRAMME & PAPERS**

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**REGISTRATION** 

Rajesh Kumar registration@geospatialmedia.net

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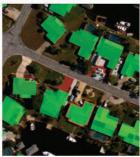
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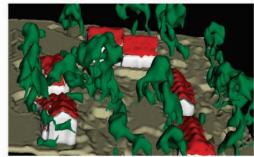
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Vaishali Dixit vaishali@geospatialmedia.net

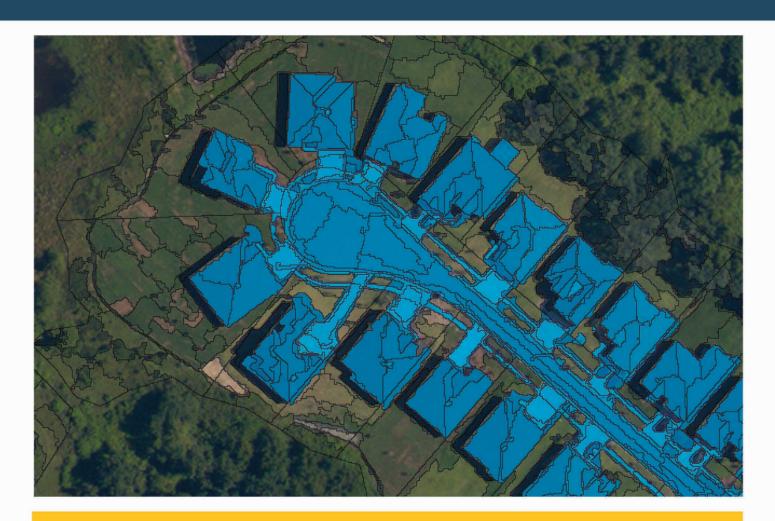








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The Netherlands' Cadastre, Land Registry and Mapping Agency harbours many years of expertise regarding land registration, mapping, land use and corresponding IT setup. As the international context of land administration continues to grow, the scope of Kadaster's activities abroad continues to widen.