

GEOSPATIAL WORLD FORUM



THEME

GEO4IR

Geo-enabling 4th Industrial Revolution

Location | IoT | BigData | AI

15-19 JANUARY 2018, HYDERABAD, INDIA



REPORT 2018



CO-LOCATED EVENTS



15-16 JANUARY



17-19 JANUARY



18-19 JANUARY



18-19 JANUARY



18-19 JANUARY

www.geospatialworldforum.org

GWF 2018: Celebrating a Decade of Success

The 10th edition of Geospatial World Forum successfully concluded after week-long collective discussions and engaging interactions in Hyderabad International Convention Centre from **15-19 January 2018**.

Kick-started by co-located event, GeoBuiz Summit on 15th and 16th January, the entire conference saw participation of **2474 delegates** from **49 countries**.

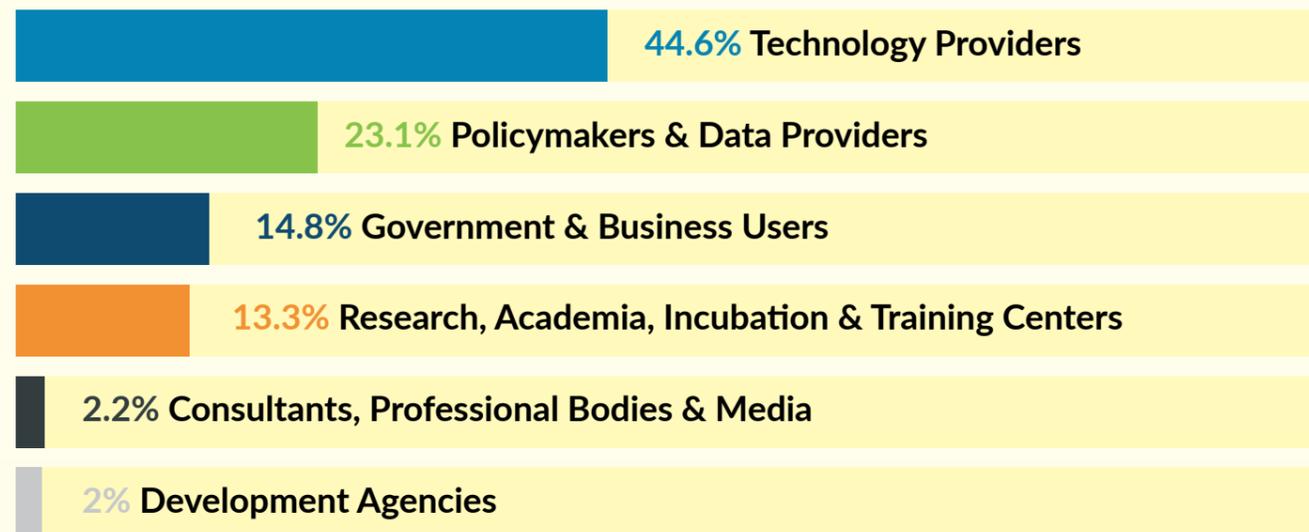
The three-day knowledge forum, highlighting the **role of geospatial technologies in enabling the Fourth Industrial Revolution**, comprised of the 'Who's Who' of the global geospatial community, policy makers, academia, researchers, technology providers, solution providers, and end-user segments across industries, regions and communities.

The forum featured large-scale conference and exhibition, top-ranked keynote speakers, major industry segments, high-level discussion programs and various social networking events. A total of **293 speakers** shared their knowledge in **69 thematic sessions**, including **5 co-located events** – GeoBuiz Summit, AI & IoT Summit, Location World, Geo4SDGs and NRSC User Interaction Meet. Presence of **four Ministers** throughout the event upholds Geospatial World Forum as the #1 platform in raising geospatial industry's profile at political level.

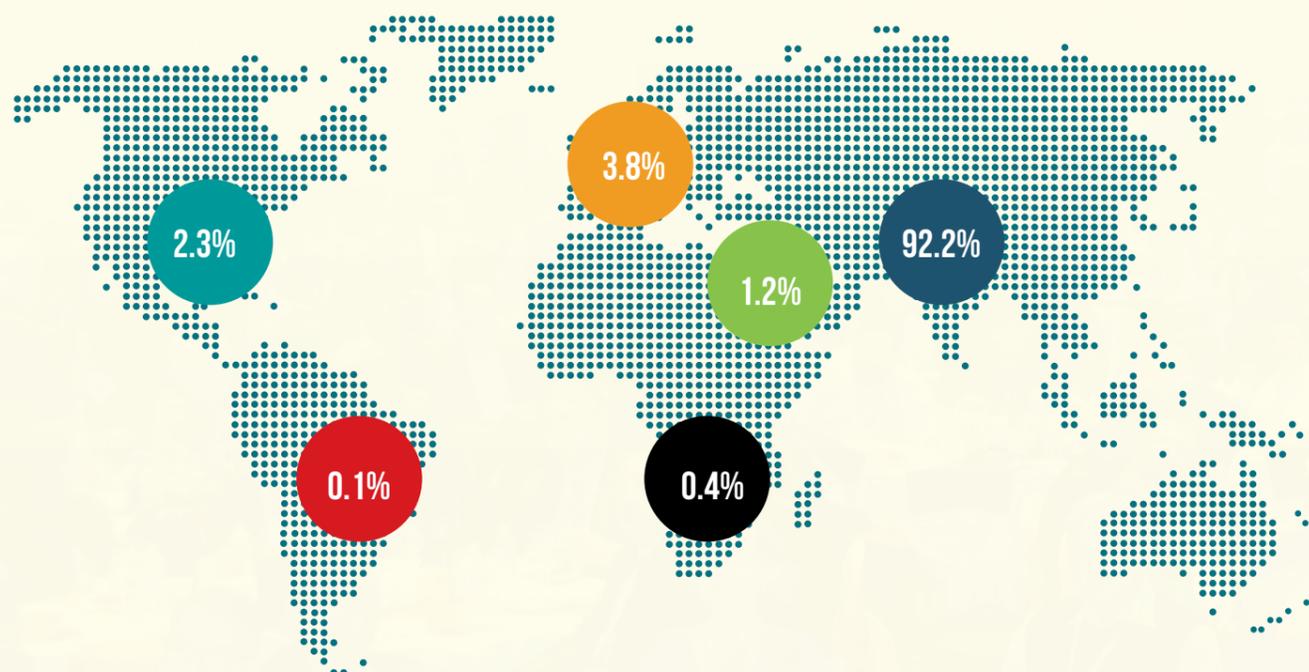


Connecting Professionals, Innovation and Opportunity

Delegates Profile



Regional Representation



■ Europe
 ■ Asia Pacific
 ■ Latin America
 ■ Middle East
 ■ Africa
 ■ North America & Caribbean

Raising Industry's Profile at Political Level



DR HARSH VARDHAN

Hon'ble Minister of Science & Technology
 Ministry of Environment, Forest and Climate Change
 Ministry of Earth Science, India



DR JITENDRA SINGH

Hon'ble Minister of State (Independent Charge)
 Ministry of Development of North Eastern Region
 Prime Minister Office, Department of Atomic Energy &
 Department of Space, India



HARDEEP SINGH PURI

Hon'ble Minister of State (Independent Charge)
 Ministry of Housing and Urban Affairs
 India



Y S CHOWDARY

Hon'ble Minister of State
 Ministry of Science & Technology & Earth Sciences
 India



2474
DELEGATES



796
ORGANIZATIONS



49
COUNTRIES

How geospatial technologies are enabling the 4th Industrial Revolution?



Space technology has entered in each and every household of India whether it is smart cities, railways, agriculture, insurance, banking, etc. Space technology can predict accidents. The agriculture sector is using soil testing technology. Now, a modern technocrat can be a start-up in space technology and work from home.”

Dr Jitendra Singh

Minister of State (Independent Charge), Prime Minister Office, Department of Atomic Energy & Department of Space, India



Billions of dollars can be saved by 3D modeling, going digital and completely revolutionizing survey. There are so many examples. With photographs, anything from earthquakes to apartments can be modeled and a geospatial component added to enhance its appeal and make it more precise.”

Bhupinder Singh

Chief Product Officer, Bentley Systems, USA



Geospatial is increasingly becoming a part of our everyday lives. Spatial analytics is enabling the world to take better informed decisions. The world is using a lot of technologies but lot is yet to be done.”

Maj Gen Girish Kumar

Surveyor General, Survey of India



Engineering and design have already reached a stage where we have moved from cardboard designs to 2D to 3D modeling. And 3D model is evolving from just being a 3D model to real integration of all the services.”

Anantha Sayana

Vice President & Head - Digital, L&T Construction, India



Today, our smart cities are going to have command & control centers for their transportation systems and public surveillance systems. Tomorrow, they will be monitoring the consumption of energy in every building. Geospatial technologies can help in resource allocation, decongestion, better planning, identifying specific problem areas, and faster solutions.”

Hardeep Singh Puri

Hon'ble Minister of State (Independent Charge), Ministry of Housing and Urban Affairs, India



Geo-enabling 4IR is actually taking many many many many many many many different systems and interconnecting them. GIS is actually becoming a system of systems. This will help us realize the idea of smart and 4IR.”

Dean Angelides

Corporate Director International/Alliances/Partners, Esri, USA



The geospatial technology is actually a fundamental purpose technology. Without it any economy cannot function efficiently. The industry needs to go from system of records to system of engagement.”

Nigel Clifford

CEO, Ordnance Survey, UK



Data analytics has the power to bring differences to stock price of companies, through this you can understand a company's functioning, etc. People should realize that the kind of decision making aspects that data analytics and business intelligence brings in, they should take full advantage of these technologies. Whether it is financial services or government entities, data analytics is the key to success.”

Dr Vanessa Lawrence CB

Director, Location International, UK



Geo-enabling the 4IR is inevitable since by combining the imageries of the planet that are now available in abundance and the computing capabilities that 4IR is showering us with, the industry can get equipped with the power to detect changes, and answer all sorts of business questions which were earlier not possible.”

Amy Minnick

Sr. Vice President, DigitalGlobe, USA



About 4 billion of the population is informal. We don't have data on them. This impacts urbanization, climate change, etc. This makes the role of geospatial data more crucial. We need good, fundamental data. Geospatial data is critical for understanding investments and who we are trying to help.”

Peter Rabley

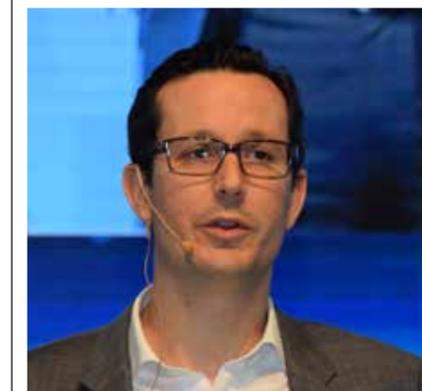
Venture Partner, Omidyar Network, USA



Cloud is dramatic and in next five years it is going to be as dramatic as the Internet. Also, geospatial data & technologies can play a big role if we think of a business model around the concept of data security.”

Jim Steiner

Vice President - Server Technologies, Oracle, USA



Democratization of data, not of any data, but high-quality data, is required. Focus on high quality, high-resolution data in 3D and making it available to people will open up unforeseen value and opportunities.”

Francois Lombard

Head of Intelligence, Airbus Defence and Space, France

#GWF2018: AT A GLANCE



“The world of geospatial has moved from science that was only understood by a few people in the inner circle to an industry that affects the live of more or less everybody on the planet.”

Andreas Gerster
VP, BIM/CIM and Product Design, FARO, Germany



“We need all kinds of data for sustainable development, and geospatial information is an important driver in this.”

Stefan Schweinfest
Director, UN Statistics Division, United Nations



“If you look at previous industrial revolution, there were certain capabilities that drove those revolutions. Now data analytics, Big Data, artificial intelligence are powering 4IR. We should be proud of being part of this revolution.”

Ron Bisio
Vice President – Geospatial, Trimble, USA



“When we talk about analytics then we have to keep in mind commercialization and monetization. So, we have consumer-based apps for millions, but if you can trace each and every address of the country and analyse it according to different categories; like tracking their income pattern, can be key to many developments.”

Rakesh Verma
Managing Director, MapmyIndia, India



“We are seeing a very disruptive kind of trend in the industry. This is generating vast amount of data and analyzing it. It is interesting to see how we have gone from static content to dynamic content and now to connecting content. We are going to focus on automation, an apt potential for disruption. Datasets on smart devices is sitting on the cusp of 4IR.”

Peter Hawkins
Regional Director Digital Content, HERE Asia Pacific, Singapore



“Standards; integration of location data with maps; and automation are the three key drivers that are geo-enabling 4IR.”

Prof. Christian Heipke
President, International Society of Photogrammetry and Remote Sensing, Germany



Explosive contents in 5 knowledge-packed days

Future Trends | Insights | Disruptive Technology | Innovations

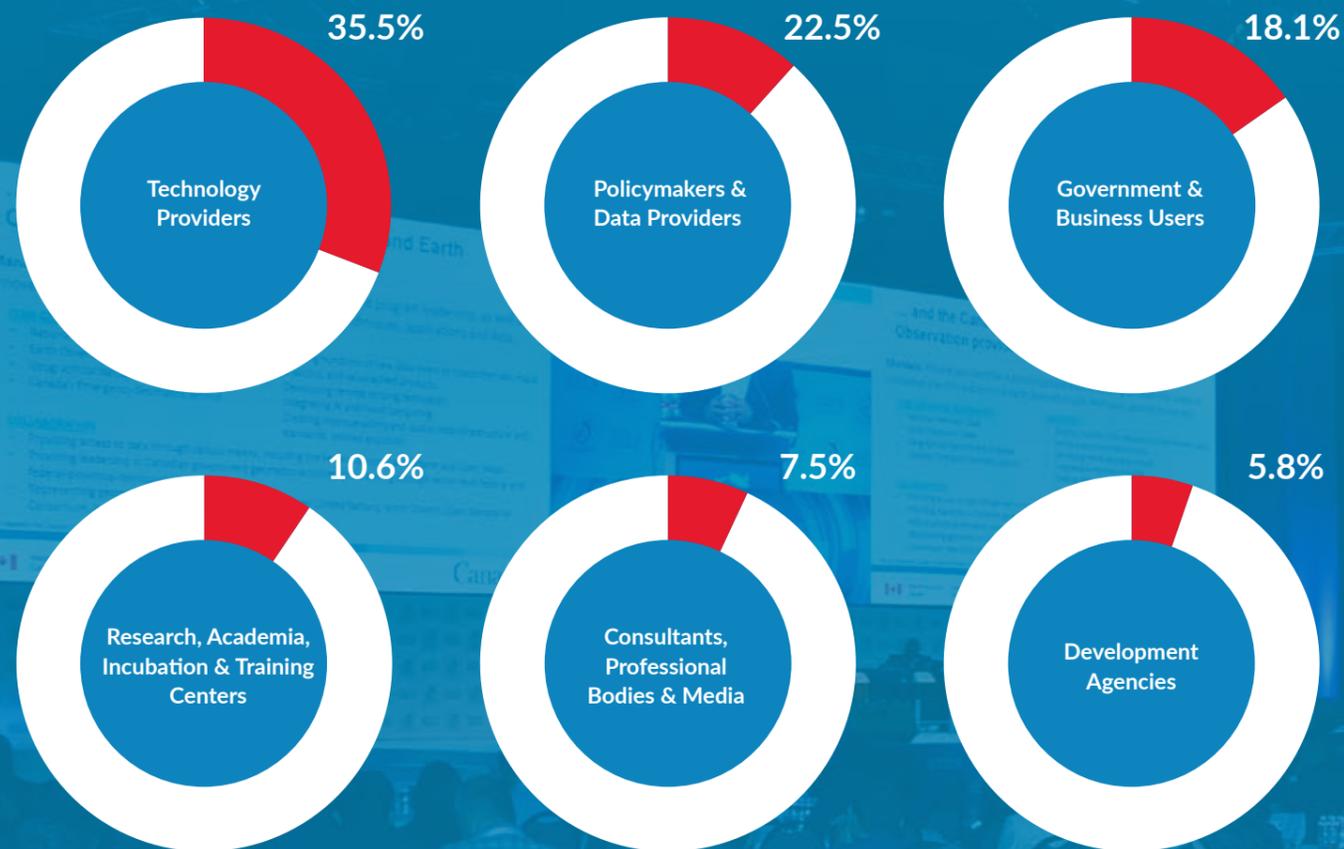


49.8%
NEW SPEAKERS

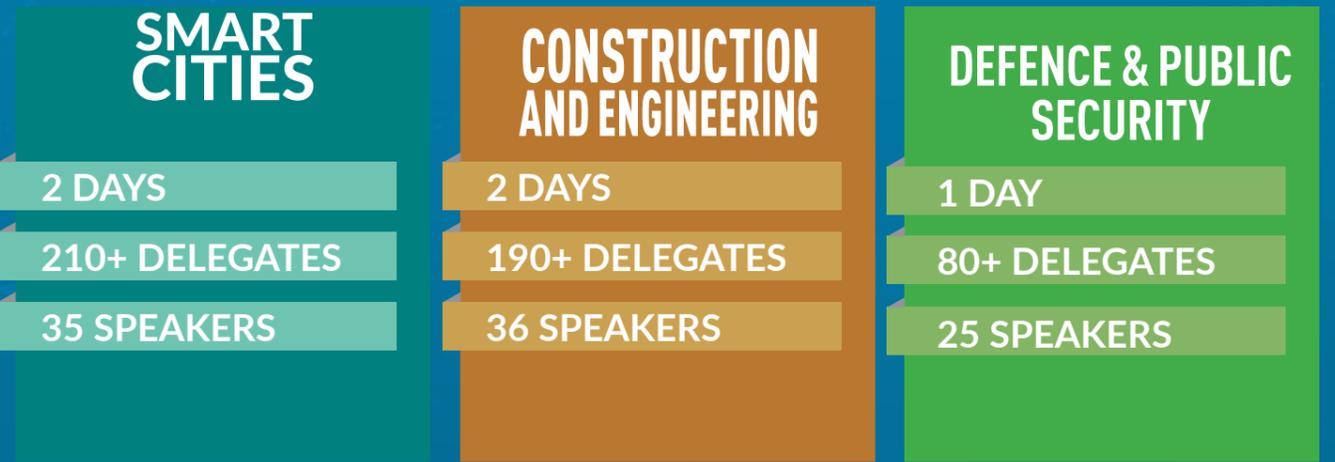
32.4%
FIRST-TIME ORGANIZATIONS

35.2%
C-LEVEL EXECUTIVES

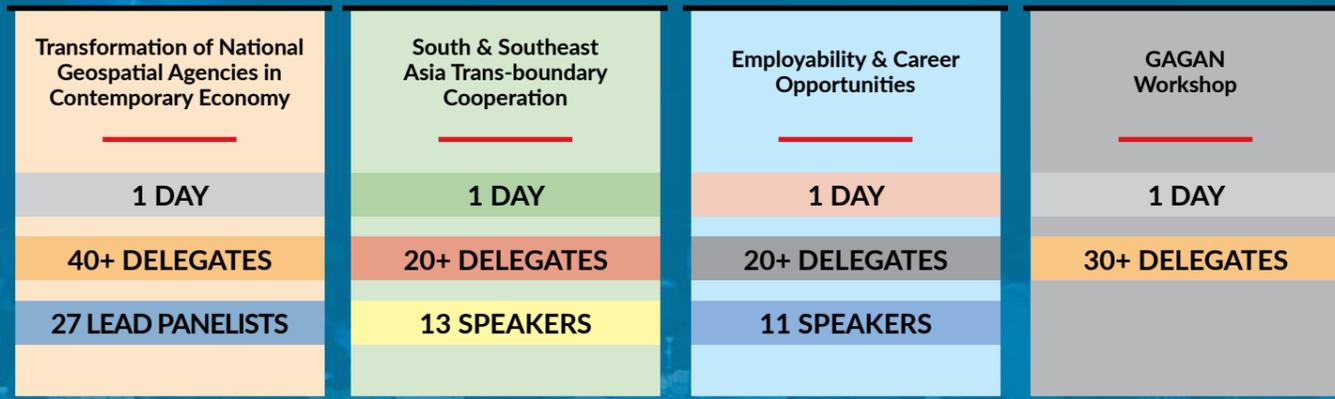
SPEAKERS PROFILE



KEY PROGRAMMES



ROUND TABLE | SEMINAR | WORKSHOP



Plenary Sessions

What was discussed?

Geo4IR:
Geo-enabling
4th Industrial
Revolution

Digital Engineering

Business
Intelligence

Geo4SDGs:
Addressing
Agenda 2030

Location
Analytics

Key Takeaways

- New technologies (Cloud, Big Data, IoT, AI, etc) are ushering the world to not only adapt, but adopt and apply to bring in transformation in the way we think, function and make decisions
- Industry needs to think beyond projects on analytics, beyond individual systems. GIS is becoming a system of systems
- Weather information with the help of location is going to be a key factor in future
- To solve the problem of urbanization, digitization is the imperative
- In geo-enabled 4IR, analytics need to become real-time
- Miniaturization of devices has led to tremendous impetus to location and the accuracy of location
- The emergence of Big Data offers new opportunities to individual countries to gain new insights and develop various public- private partnerships to achieve SDGs

DR. ROGER TOMLINSON MEMORIAL LECTURE

Memorial Lecture on
'Live Geography' delivered by



Prof Josef Strobl
Head of Geoinformatics Department,
University of Salzburg, Austria

Instituted by In partnership with

Defence & Public Security



Key Takeaways

- Knowledge and understanding of terrain has always been seen as a virtue and an essential skill in the defence forces. Geospatial has been the principal mechanism for disseminating this knowledge
- Now that GIS is migrating onto the battlefield, it can be applied to a wide range of military applications, which opens new possibilities for development around GIS
- As the military organizations look towards minimizing human casualties and maximize situational awareness, it is only essential to integrate its geo-analytics capabilities in various defence programs.
- The fusion of geospatial and intelligence data, and sophisticated analysis and visualization, help defence forces in taking fast and better informed decisions
- GIS can revolutionize the command and control procedures on the battlefield the same way the IT-sector have revolutionized the commercial businesses

Smart Cities

Key Takeaways

- Smart infrastructure is a vital component to a smart city. Smart grid, smart water, smart transportation, smart buildings, etc are all important in efficient management of city infrastructure
- The component of collaboration and engagement is becoming recognized as one of the most vital characteristics of a smart city
- Inhabitants, visitors, service providers like fire departments, police departments and waste services can be connected to provide a higher level of service and security
- Using sensors/IoT devices, deploying mobile technology, tracking assets and the effective use of data will allow city to continually transform its services
- Data that is open and shared between partners and through city data hub, will keep visitors and citizens well informed, derive valuable insights and drive efficiencies
- BIM processes can help build smarter cities and integrate teams using delivery mechanisms such as PPP



Construction & Engineering

Key Takeaways

- Geospatial, IOT, BIM, and analytics have emerged as the technologies shaping the future trends in the construction industry and providing an impetus for better infrastructure
- 3D scanning is becoming a major component in the utility of geospatial in the construction industry
- GNSS global coordinates is now widely used in construction industry and it helps in better compatibility with GPS and geospatial
- BIM and open BIM have already radically transformed the construction sector and bygone are the days of 2D modelling
- With cutting-edge technology and sophisticated solutions, there is an initial spike in cost that comes down only when the technology is mainstreamed
- GIS industry should provide affordable GIS and BIM tools and the government should promulgate a policy for subsidizing the use of new technologies so that they are widely adopted in construction sector
- There is an imminent need for greater cooperation and coordination among the various private players in the construction industry for more data gathering



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STRATEGIC PARTNER



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SUPPORTING ORGANIZATIONS



Transformation of Geospatial Agencies in Contemporary Economy

Key Takeaways

- There are different levels of technology adoption in NGAs worldwide but they are moving towards positive direction
- Some of the mindset issues that hold NGAs from transforming:
 - > The infrastructure institutional framework is not able to work as per the changing requirements
 - > The agencies shy away from using data for greater good
 - > The agencies are overwhelmed with the data
- > The agencies restrain from data sharing
- > Government data is par excellence, but security concerns pose a hurdle to using technologies for better outcomes
- Public-private collaboration is necessary for growth of the national geospatial agencies and achieving the objective of envisaging public good
- Lack of concrete policies is an issue that hinders the further promotion and expansion of geospatial technology
- In developing world, the key challenges remain lack of technical competence, slow adoption rate and lack of understanding among people



Employability & Career Opportunities

Key Takeaways

- Constant interaction between Industrial partners and Academia is required to achieve multi-level schema for long term workforce preparation and management
- It is important to foster interest amongst children on aspects of geography, mapping, surveying, environment and climate
- Incubation center at Academic Institution should foster skills instead of only focusing on knowledge/technology transfer and assessing existing technology
- Majority of employers required solid IT background (programming-hard science) that is lacking in geospatial curriculum



Strengthening Regional Resilience with GeoInformation

Trans-boundary Cooperation in South and South East Asia for Geospatial Information

Key Takeaways

- Some of the challenges in geospatial implementation in South Asia:
 - > Big gaps exist in institutional capacities
 - > Conservative data sharing policies, data pricing
 - > Limited regional focus of national space agencies
 - > Technical limitations to address local scales
- Requirements to bridge the gap:
 - > Develop and implement innovative EO and geospatial applications and services
- > Create a regional platform for mutual learning and sharing opportunities
- > Foster regional cooperation for standardized data and information sharing
- > Policy dialogs on transboundary issues and priorities
- > Promoting regional collaboration framework between regional countries
- > Networking/collaborating with global initiatives to bridge the gaps in regional capacities

GAGAN Workshop

Airport Authority of India (AAI) held a 2-hour workshop on GAGAN (GPS Aided GEO Augmented Navigation), the Indian Satellite-Based Augmentation System jointly developed by AAI and ISRO.

Some of the key developments include:

Aviation sector:

- All new aircraft, registered in India to be GAGAN enabled from 2019

- All aircraft, registered in India, to be GAGAN enabled from 2024

Non-aviation sectors:

- Indian Railways procured GAGAN-enabled dongles for testing its accuracy for its GIS project
- AAI working on utilizing GAGAN signals for broadcasting of short messages as GAGAN Message Service (GAMES)

- Ministry of Road Transport and Highways has already mandated using GAGAN for vehicle tracking applications under the Automotive Standards

PARTNER





GEOBUIZ

SUMMIT



2
DAYS

290+
DELEGATES

49
SPEAKERS

13
SPONSORS

Key Takeaways

- Geospatial market is expected to reach approximately \$440 billion by 2020
- More high quality location-based data are needed in order to achieve efficiency in different sectors and have people truly enjoy the benefits of the emerging technologies
- Making data more accessible is a key thing to focus on, but high quality needs more attention
- Industry needs more manpower to meet the advancement and adoption
- Geospatial awareness needs to be more widespread especially within the government sector
- The government should take lead in collaboration with private sector to develop a holistic plan to not only harness technology but also develop manpower
- Security concerns must be addressed since geospatial technology has become default in everyday lives
- The key to revolutionizing the geospatial industry is collaboration
- For a proper outreach, there needs to be a prime focus on education
- Geospatial data capture and maintenance is in the process of being dramatically reshaped by ubiquitous sensing technologies, and the nature of geospatial data is radically changing
- While there are many start-ups coming up with disruptive innovations, they need to come up with solutions that are feasible
- Location is underpinning the next technological revolution
- Rich maps, smart maps and traffic are the enablers of spatial analytics
- In the near future, industries are expected to benefit from emerging technologies like geospatial intelligence fusion, crowdsourcing, human geography, visual analytics and forecasting
- As data requirements increased, it is necessary for national geospatial agencies to reorient themselves
- Rather than competing with the industry for data acquisition, NGAs should act as a facilitator and pass on their knowledge to the industry

Key Discussions

- ISRO EO Future Missions and Applications
- Data Products & Services
- Remote Sensing Data Applications in Governance
- GAGAN & NAVIC Applications
- Trends in Data Processing Techniques
- BhuvanServices
- Climate & Environment Data Products
- Societal Applications – e-governance – Watershed Development
- Application of Remote Sensing & GIS in Forest Fire Management
- Use of Geospatial Technology for Effective Water Management
- Applications of Geospatial Technology for Mineral Exploration
- Sub Scheme on formulation of GIS Based Master Plan for AMRUT Cities
- E-Farming – A Central Based Authorization System for Sustainable Agriculture Development
- Application Of UAV In Mapping And Monitoring Of Coal Mines
- Use of Remote Sensing & GIS in Rashtriya Krishi Vikas Yojana(RKVY) and Soil Health Card
- Spatio-Temporal Analysis of Kanikalsland,Orissa-Logambal,National Institute of Ocean Technology
- Population Pressure On Landuse/ Landcover Dynamic Of Chilika Catchment, Odisha
- Analysis of land use / land cover and mangrove density with its ground biomass using remote sensing satellite data
- Use of LISS-IV in Forest cover and Density estimation in Madhya Pradesh
- Use of Remote Sensing Data in Geological Survey and Sensor Specifications for Geoscience Applications
- UAV a turning point in Geomatics
- Satellite Imagery based Surveillance of Pipeline ROW
- Resolution Multispectral Remote Sensing Satellite Data

3
DAYS

547+
DELEGATES

67
SPEAKERS

1
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GE 4SDGs

Addressing Agenda 2030

GE AGRI



2
DAYS

170+
DELEGATES

33
SPEAKERS

9
PARTNERS

Key Takeaways

- Geospatial information and technology is critical to articulate and achieve the Sustainable Development Goals (SDGs). Roughly a quarter of the proposed SDG indicators require geospatial and geotagged data for effective visualization to monitor progress across spatial scales
- Continuous innovations in technologies such as UAVs, sensors, satellites, and Big Data necessitates the use of geospatial information to achieve the SDGs
- In the Big Data Global Data Ecosystem geospatial data and services provide a place-based modeling and analytical framework for proper understanding and decision making
- There is a need to build a global data ecosystem that integrates statistical and geospatial capabilities together to scale solutions from local to regional level
- Disaggregated data is required to connect satellite data to environment and economic data in order to create efficient system of ecological and economic accounting and reporting
- Biggest challenge for achievement of SDG is not technical interoperability but human interoperability
- Technology needs to be leveraged to build a symbiotic relationship between people who are actually on ground working towards the SDGs and the policy makers, which is currently missing
- Data-driven agriculture (including GIS, drones, sensors, satellite imagery, Big Data analytics, IoT) brings economic efficiency and productivity of natural resources thus reducing risk and improving resilience in farming, agriculture and Agri-food market chains.
- Key recommendations:
 - > To formalize geospatial information as part of data collection architecture
 - > To integrate geospatial information infrastructure and data collection into official reporting systems. To do this, it is suggested that countries invest in core geospatial divisions for holistic attainment of the SDGs

Key Takeaways

- 2.5 billion smallholder farmers are key to food security as they are the largest cultivators of food crop. However, they are in enormous distress due to increasing cost of cultivation.
- Geospatial, AI and machine learning are assisting farmers in various ways:
 - > Crop Health Monitoring - using Deep Learning Algorithms based on real-time data from sensors, satellite/drone images, on ground farming practices and ground truthing techniques.
 - > Pest & Soil Defect Detection - identifying potential defects both in soil and plants using image processing algorithms along with historic/current local pest, soil, weather and activity data
 - > Farm Automation - machine learning techniques can be used to care for plants by deploying UAVs including automated application of pesticides and plant nutrients, elimination of weeds, irrigation, etc
 - > Predictive Analytics - AI algorithms can be used for prediction of yield, crop quality, input side demands, output aggregation needs leading to optimization of supply chain (input & output), policy intervention etc.
- > Recommendation Engine - farming activity recommendations including crop/variety selection, crop nutrient/protection and sowing/irrigation/harvest timing based on demographic, agriculture and market profiles
- Farmer organizations, Agribusinesses, Government and Non-Government agencies should work with smallholder farmers to help them make better informed decisions and improve their operational efficiency



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AI & IoT SUMMIT

LOCATION WORLD



2

DAYS

150+

DELEGATES

37

SPEAKERS

4

PARTNERS

Key Takeaways

- Analyst projects that by 2025, data from connected devices will yield insights driving potential economic value as much as \$11 trillion and IoT will offer a potential economic impact of \$4 trillion to \$11 trillion.
- India released its first IoT framework in October, 2017 aiming to create a \$15 billion market by 2020, impacting the growth of connected devices from the current 200 million to 2.7 billion by 2020.
- IoT Sensors are producing unprecedented amounts of data, too much for a human to sift through. AI can assist the user and accelerate insight through degree-of-interest ranking, for which human need to stay in the loop for expert knowledge, superior visual system and critical decision making.
- AI in government sector is helping to deliver government services to the citizen intelligently. Government is having huge data which could be harnessed using computational intelligence to finding out the patterns and insights into it. For example, agriculture, forest, connectivity coverage, & Public Grievances system.
- Deep Learning is everywhere – Internet & cloud, medicine & Biology, Media & entertainment, Security & defence, Autonomous Machines - touching human lives in so many ways.
- One of the biggest contributions of IoT will be Industry automation. Additionally, IoT will be the backbone in building smart public infrastructure which would deliver clean water, dependable power, safe gas, and efficient public lighting.
- Millions of connected devices mean big data and bigger challenges for which we have to embrace the complexity of big data. Knowledge based prioritization (space & time) for better strategy for investment, intervention, implementation and impact.
- IoT, robotics, artificial intelligence, regenerative medicine, and neuroscience are evolving.
- There are inherent industry challenges such as
 - > Lack of standardization
 - > Lack of brand loyalty in an immature market
 - > Lack of benchmarks in product development
 - > Sales force capability

Key Takeaways

- Every dot on the surface of the earth denotes location.
- Location Intelligence combines geographical dimensions with existing data from business intelligence applications, and allows the ability to visualize various metrics on a map, giving rise to new intelligence and competitive advantage.
- Location monetize engagement by connecting spatial context with business data to deliver enhanced data visualization and business insight with improved decision making capabilities and predictive analytics.
- Location analytics helps in understanding consumer behavior as it reveals relationships, trends, dependencies, and patterns using real-time contextual data.
- Adding location in mobile enables offers, ads, pre-orders and instant purchases, mobile payments for any location, seamless pickup and deliveries.
- Advantages of location intelligence for businesses:
 - > Increase clients and revenue by mapping competitors; acquire new clients, generating more revenue per client or user, increase digital and offline sales through mobile
- Optimize marketing and sales by leveraging the most accurate attribution, impactful ROI, increase foot traffic, understand customer behavior and decision-making
- Reduce costs and improve operational efficiency by managing the entire asset lifecycle like mobility, workforce scheduling and strategic asset management - enabling more informed decisions
- Location-based advertising (LBA) is a new form of advertising – reaching customer anytime, anywhere. Smartphones – social media advertising with location-based services, using a person's location data, advertisers can geo-target their potential customers efficiently.
- Location is a crucial parameter that influences the value chain of financial sector. Location can play a critical role in risk management, claims management and also fraud detection.
- Challenges include:
 - > Client understanding of spatial representation
 - > Disparate sources of data / integration
 - > Availability of resource pool
 - > Technical and security challenges

2

DAYS

220+

DELEGATES

40

SPEAKERS

5

PARTNERS

PARTNERS

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PARTNERS

Organizations Participated

- 3-GIS
- Aam Aadmi Party
- AAM Group
- Abel Engineering Consultants
- Aditya Birla Bank
- AECOM
- Airbus Defence & Space
- Airports Authority of India
- Airtel
- Altair Engineering India
- Amunet Insights LLC
- Analytic Solution
- Anra Technologies
- Antrix Corporation
- Archisolutions
- AT&T Global Network Services India
- Atithi Pleasure
- ATREE
- Attentive AI
- Beijing Space View Technology
- Bentley Systems
- Between The Poles
- Bharati Vidyapeeth Deemed University
- Bill and Melinda Gates Foundation
- BKCWeatherSys
- Boeing
- Bosch
- buildingSMART International
- Business Standard
- Capgemini
- CARTO
- Central Scientific Instruments Organization (CSIR)
- Centre for Science and Environment
- CISCO
- City Futures Research Centre
- City of Helsinki
- City of Rotterdam
- ConnektdLivz
- Construction Industry Development Council
- ConsultIT Technologies
- Contractors Development Institute
- CRC for Spatial Information
- Crossrail
- C-SIGMA LLC
- CyberTech Systems and Software
- Cyient
- Dalberg
- Datagrokr Analytics
- Deimos Imaging
- DEITY, Ministry of Electronics and Information Technology
- Delhi Mumbai Industrial Corridor Development Corporation
- Delhivery
- Department of Atomic Energy & Department of Space
- Department of Surveying, Mapping and Geoinformation
- DGIS
- DigitalGlobe
- Dipper
- DronaMap
- Dutch Kadastre
- EARSC
- Eduworks
- e-Geos
- Esri
- European Environment Agency
- FARO
- Federal Geographic Data Committee
- Flipkart
- Forest Survey of India
- Future Remittance Services Corporation
- Gaia3D, Inc.
- GeoAlgo
- Geological Survey of Bangladesh
- Geonovum
- Geoscience Australia
- GeoSpatial Information Authority Japan
- GeoTechVision
- Glasgow City Council
- Global Partnership for Sustainable Development
- Global Smart Grid Federation
- GODAN
- Google Earth Outreach
- Govt of NSW, Australia
- Govt of Telangana
- Ground Truth
- Group on Earth Observations (GEO)
- Hansa Cequity
- Harris Corporation
- HCL Technologies Ltd
- HDFC Bank Limited
- HERE Asia Pacific
- Hexagon Geospatial
- Hitachi
- Hi-Target
- HS2
- Husys
- Indian Institute of Rice Research
- ICAR-CRIDA
- iCreate
- ICRISAT
- IGI
- IIC Academy
- IIC Technologies
- IIM Bangalore
- IIT (ISM)
- IIT Hyderabad
- Indian Army
- Indian Institute of Remote Sensing
- Indian Meteorological Department
- Indian Space Research Organisation
- Indrones Solutions
- Inland Waterways Authority of India
- "Innominds Software Pvt. Ltd.
- Institute of Remote Sensing, Anna University
- Institute of Statistical and Geographic Information (IIEG)
- Institute of Water Modelling
- International Center for Agricultural Research in the Dry Areas
- International Centre for Integrated Mountain Development (ICIMOD)
- IoT Research Labs
- IPSOS Consulting
- Jaipur Metro
- Jugnoo
- Kaha Ho
- Kirorimal College
- "Koinearth
- Kolkata Municipal Corporation
- Konkan Railway Corporation Ltd.
- L&T Construction
- Land Alliance
- Latgeo Consulting
- LEHMANN + PARTNER GmbH
- Leibniz University
- Leica Geosystems
- Location International Limited
- Los Lagos Regional Government
- Luciad
- Madhya Pradesh Agency for Promotion of Information Technology (MAP_IT)
- Madhya Pradesh Police
- Maharashtra State Electricity Transmission Company
- MapMyIndia
- McKinsey
- MDA Geospatial Services
- Merxius
- Microsoft
- Ministry of Earth Science
- Ministry of Environment, Forest and Climate Change
- Ministry of Housing and Urban Affairs
- Ministry of Road Transport & Highways
- Ministry of Science and Technology
- MistiWork (Services at Home)
- ML Infomap
- MTD Products India
- Munich Airport
- MyCrop
- NASSCOM
- National Academy of Construction
- National Centre for Statistics & Information
- National Highways Authority
- National Institute of Advanced Studies
- National Remote Sensing Centre (NRSC)
- National Survey Authority, Ministry of Defence
- Natural Resources Canada
- NDTV
- NTT DATA Corporation
- NVIDIA
- Odisha Space Applications Centre(ORSAC)
- Omidyar Network
- Open Cities Institute
- Open Geospatial Consortium (OGC)
- Oracle
- Ordnance Survey
- Orduino Labs Er.
- Planet
- play2transform
- Pole Technologies
- Port of Rotterdam
- Portuguese Task Group for the Extension of the Continental Shelf
- Precision Electronics Ltd
- Pune Smart City
- QuestDA
- Radiant Earth
- Redpine Signals
- Research Centre Imarat
- RIEGL
- Sarmap SA
- Scanpoint Geomatics Limited (SGL)
- Schiphol Airport
- Singapore Land Authority
- SITECO Informatica srl
- Smart City Council
- Smart Navigation Systems
- Smarthome NX
- SMEC
- SocialCops
- SourceTrace Systems
- South Ural State University
- Special Operations Solutions, LLC (SOS)
- Strand Life Sciences
- Survey Department
- Survey of Bangladesh
- Survey of India
- Symbiosis Institute of Geoinformatics
- Teledyne Optech
- Textron Systems
- The Weather Company
- The Wire
- Tianhe Construction
- TomTom
- Trimble
- UberEATS
- UNGGIM Secretariat
- UNIGIS International
- United Nations
- University of Petroleum and Energy Studies
- University of Salzburg
- University of Stuttgart
- University of Tokyo
- Urthecast - Deimos Imaging
- US Geological Survey
- Vinoothna Architecture and Appropriate Ventures
- VML
- WaterQuest Hydroresources Management
- World Resources Institute (WRI)
- ZUPPA Big Data Acquisition

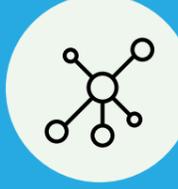
and many more...

Latest Technology Showcase | B2B, B2G, G2G Networking

Our Exhibitors



1462 sqm
72 EXHIBITORS



17.5
NETWORKING HOURS

Exhibitors Profile



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Recognizing Geospatial Champions



TECHRUPTORS

Technology Disruptor

Will Marshall
Co-Founder and CEO
Planet

Technology Disruptor

Javier de la Torre
Co-Founder and CEO
CARTO

Disruptor in the Making

Mark Johnson
Co-Founder and CEO
Descartes Labs

Social Disruptor

Steve Coast
Founder
OpenStreetMap

GEOSPATIAL WORLD LEADERSHIP AWARDS

Lifetime Achievement Award
Steven W. Berglund

Special Achievement Award
A.S. Kiran Kumar

Geospatial Ambassador of the Year
Dorine Burmanje

Geospatial Woman Champion of the Year
Anne Hale Miglarese

Geospatial Business Leader of the Year
Howard Lance

Making a Difference
Bill & Melinda Gates Foundation

Geospatial Solutions Company of the Year
AECOM

Geospatial Technology Company of the Year
HERE

National Geospatial Agency of the Year
United States Geological Survey

Geospatial Hub of the Year
Geovation

Enabling Public Policy & Infrastructure
Natural Resources Canada

Geospatial World Excellence Awards

OPEN DATA PLATFORM

Geoscience Australia
Australia

CLIMATE ADAPTATION

The Nature Conservancy
USA

PUBLIC SECURITY

MP Police & Police Radio
Headquarter, India

PUBLIC SERVICES

Los Lagos Regional
Government & Regional
Public Services, Chile

SMART ADDRESSING SYSTEM

Dubai Municipality
UAE

MINING

Department of Steel &
Mines, Govt of Odisha &
ORSAC, India

MARINE & COASTAL MANAGEMENT

Task Group for the Extension
of the Continental Shelf
Portugal

DISASTER RESPONSE

State of Texas
USA

WATER ASSET MANAGEMENT

Malatya Water and Sewerage
Administration & ODAKENT
Cevre Bilisim A.S., Turkey

GEO-STATISTICAL DATA INFRASTRUCTURE

Statistical and Geographical
Information Institute Of
Jalisco (IIEG), Mexico

NATURAL GAS MANAGEMENT

GAIL India & SECON
India

CITY PLANNING

Kuala Lumpur City Hall
Malaysia

GEOLOGICAL EXPLORATION

Mineral Resources and Petroleum
Authority of Mongolia &
Intellectual Blossom Impex LLC,
Mongolia

HEALTH SERVICES

University of Adelaide
Australia

Geospatial World Innovation Awards

SATELLITE IMAGING

Airbus, The Forest
Trust & SarVision
France

INTERNET OF THINGS

Microsoft Corporation
USA

ARTIFICIAL INTELLIGENCE

Delhivery
India

LOCATION INTELLIGENCE

AdyaIT Consulting
India

Geospatial World Policy Awards

SPATIAL DATA INFRASTRUCTURE

National Centre for Statistics & Information (NCSI), Sultanate of Oman

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