



Title: Showcasing Hexagon Geospatial M.App Enterprise technology in Census, mSCOA and Fire Risk Management.

Workshop Organisers

The workshop will be organised and hosted by the Hexagon Geospatial Africa team, with participation from 3 of our partners in GEO Data Design, Geospace International and Metgovis.

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Rationale, Scope and Format

The three partners will present a solution that is built on the Hexagon M.App Enterprise platform demonstrating the flexibility and robustness of the platform across business sectors and industries.

There will be 3 x 15 minute presentations from each of the partners of the solutions they have developed and deployed into the industry.

Geospace International: M.App Enterprise Mobile Solution for StatsSA

Statistics South Africa (StatsSA) Geography department has implemented Hexagon Geospatial M.App Enterprise solutions to update the Geospatial Information Frame (GIF) which consists of georeferenced points, Place Names and EAs using mobile navigation application for the purpose of creating an accurate and up to date national statistics geographical dataset. The M.App Enterprise geospatial solutions is used for the monitoring, analyses and reporting of data captured in the field for both the GIF update and CAPI household surveys. The updated GIF assist Household Survey Operations (HSO) and national Census conducted by StatsSA to determine the numerical profile of the South African population. The solution serves as a tool to deliver relevant, accurate, reliable and timeous data from the field.

StatsSA has experienced challenges of disseminating comprehensive statistics by collating, sorting and organizing data to maximize the outputs of business intelligence. The data custodians in StatsSA disseminate data per project which hinders interoperability between departments. M.App Enterprise solutions can be used as a tool to measure and monitor progress towards the achievement of business goals and KPI's. M.App Enterprise combines business workflows for different projects to create dynamic map applications for field training, workload assignments, data capture, visualization and reporting on updated content to deliver data that is comprehensive to the client.



GEOData Design: Fire Risk Management Workflow – The Prometeo Fire Index deployed on Hexagon Geospatial's M.App Enterprise.

Hexagon Geospatial's M.App Enterprise platform is an enterprise workflow management solution that allows deployment of custom developed remote sensing algorithms which enable organisations to digitize their workflows and provide business intelligence through smart dashboarding. The Prometeo Fire Index was developed to monitor the potential for vegetation to burn. It takes into account the characteristics of vegetation (biomass, moisture content) along with meteorological data. This data is then disseminated in M.App Enterprise to allow organisations to utilize a streamlined business workflow where all departments, including deployed field teams via mobile apps, to have access to actionable information. The presentation will provide an overview of the components of this solution and how this business workflow can be utilized in different industries.

Metgovis: InSight on the M.App Enterprise platform

Financial sustainability is determined through accurate data. The business of local government is no different to any other business. It is transaction driven: expenses out and revenue in. The challenge facing municipalities is cash flow and accounting for expenses. The latest reforms introduced by National Treasury prescribe a Municipal Standard Chart of Accounts. Each financial transaction within local government must be reported against a series of prescribed accounting segments. The one which is most important for us is the regional segment. This enables decision makers to view reports within a spatial platform. This business intelligence is called InSight. MetGovis will be presenting a demonstration on the New Generation 2 InSight reports. Through a collaboration with Hexagon Geospatial MetGovis has developed an application that provides online InSight reports that are readily available and provide live online data.

Previously the InSight reports were static maps which were generated upon request. The New Generation 2 InSight reports can now be updated as and when required. This advanced reporting tool can be used by municipalities and organisations to enhance revenue management. Both National and Provincial Treasury departments will have access to the platform view and monitor revenue performance. A revenue management dashboard provides an overall picture on debt age analysis, accurate billing and discrepancies between the financial file and general valuation roll. The dashboard is also capable of showing billing anomalies and resolve customer queries in a real time environment.

MetGovis will be providing a live demo using the Hexagon M.App Enterprise platform in conjunction with the MetGovis valuation roll management system, MetVal.

Biography of the organisers

Hennie Loots, Geospace International

Janet Channing, Metgovis

Dillon Panizzol, GEO Data Design



Potential Participants

It is anticipated that attendees will be those interested in the various solution offerings for Census, mSCOA and Fire Risk Management. Attendees will most likely come from the government sector who hold a mandate to manage these state assets and who are responsible for gathering population information about SA.

Description of the publicity and promotion plan

Hexagon Geospatial will market the workshop through the corporate marketing team that will advertise on LinkedIn, Facebook and Twitter as well as an email campaign to invited attendees with a RSVP option.

Workshop website address (if available)

N/A

Past descriptions of the workshop

A Smart Census Workshop was successfully held at HxGN LIVE 2018 in Las Vegas with approx. 80 attendees. Similar content will be showcased but in a much more condensed version and Geospace International all be available for further discussions.

