PRESENTATION ABSTRACTS – February 22nd, 2018

Smart Communities – Stories Behind the Tech

Presented by Sean Simpson – Director of Information Technology - City of Surrey

The discussion will tie together GIS, Smart Communities and the outcomes of leveraging data and technology. Examples will be drawn from transportation, IoT, social services, open data, analytics, and other areas that demonstrate that a Smart Community is more than just the technology and more than just one part of the community.

Engineering Infrastructure Risk – Using GIS to Develop a Detailed Criticality and Risk Inventory

Presented by Jonathan Helmus, P. Eng - Assistant Director Engineering – Infrastructure & Development – City of Burnaby

The City of Burnaby has used existing GIS, infrastructure model, and asset management data to create a GIS-based infrastructure criticality and risk model. Multiple data sources are streamlined into a single, clear, and meaningful result that significantly improves capital and operational planning..

Analyzing Wildfire Threats to Protect your Assets

Presented by Piet Nooij - GIS Technology Manager – FortisBC

Every year, hundreds of wildfires in the province of British Columbia pose a threat to buildings, assets and human life. Wildfires are unpredictable and can move fast due to wind conditions and other factors. FortisBC has implemented a GIS web application to analyze the threat of wildfires on its buildings, towers, pipelines and stations. Typically all assets within a 10 km radius (6 miles) of a wildfire need to be monitored for ongoing threats. Every morning the most up to date wildfire information is automatically downloaded from the BC Government Wildfires Branch with FME server application and published in GIS emergency application. Emergency and Operations Managers use the GIS to view the latest wildfire information and its impact on the assets.

Integrating GIS and FME for Local Government Solutions

Presented by Solomon Nimako – GIS Supervisor / Steve Lawdis – Senior GIS Analyst / Isaiah Aguilera – GIS Analyst - City of Rancho Cucamonga

The City of Rancho Cucamonga is a GIS-centric city that is focused on providing innovative solutions in government. Handling city staff and citizen requests in near real-time is now possible using FME, ArcGIS Online, and the RC2GO mobile app. Data maintenance on the parcel base map has been automated using ArcGIS Pro and FME. Keeping data in-sync within multiple databases, ArcGIS Online, and enterprise applications has been realized using FME and ArcGIS Enterprise. Using the ArcGIS platform, FME, and custom mobile applications has improved city services across the organization for both staff and residents.

Survey123 for Storm Event Response and Storm Event Preparedness

Presented by Mike Esovoloff - Supervisor Mapping & Drafting, Engineering & Public Works Department – City of Coquitlam

The City of Coquitlam is using ESRI's Survey123 application for collecting inspection results and event information to make smarter decisions related to storm event response and storm event preparedness. Leveraging Survey123 for asset inspections has resulted in more efficient data collection and increased integrity while assisting staff with decision making related to infrastructure maintenance and replacement priorities to reduce flooding and impacts of heavy storm events. The City has also implemented a public facing Survey123 form for residents to submit snow removal requests for their street or sidewalk. This greatly improves location tracking and simplifies the process of collecting and organizing public requests during a snow event.

Creating a Platform for Bold Ideas - Helping Communities Lead the Way

Presented by Gerard Peets – Director General, Smart Cities Challenge - Infrastructure Canada

The Smart Cities Challenge is a competition open to all communities across Canada: big and small, Indigenous and non-Indigenous. The Challenge invites to compete for prizes of $50 million, $10 million and $5 million by coming up with their best ideas to use data and connected technology to realize meaningful outcomes for residents. **Gerard Peets, Director General Smart Cities Challenge, Infrastructure Canada**, will provide insight into the Challenge and how communities can participate. The presentation will take the form of a casual interview, facilitated by URISABC executive board member Karen Stewart, followed by questions from the audience.

Burn Notice

Presented by Doug Stewart – Volunteer - Heart and Stroke Foundation of Canada (BC/Yukon)

Moving a volunteer organization from paper to the Internet to build a smarter charity for smarter fundraising.

Right Decisions Yield "Smarter Communities"

Presented by Len Garis - Fire Chief, City of Surrey. Adjunct Professor, School of Criminology & Criminal Justice - University of the Fraser Valley

All levels of government today face increasing demands from the public for greater efficiency and more transparency in decision making. It is critical that cities look closely at their organization and practices for opportunities to be more efficient, effective and accountable – including making sound decisions that can be clearly linked back to research and data.

Although interest in evidence-based decision making has been growing within the public service, there has been a lack of readily available, practical and thoroughly-researched resources.
This presentation highlights the awarding winning manual and work book "*The Right Decision*" by providing a practical evidence-based decision case study in managing fire services in BC.
Using the manual's step-by-step approach guided the Surrey Fire Service through the process of finding and using the information needed to make evidence-based decisions, in this case study we focused on at risk populations using Canadian Census, then using criteria that are indicators of the most vulnerable of this population to have, be injured or die in a fire, we treated this population with fire safety messaging. You must attend this session to learn of the outcomes.

Open Government – Maple Ridge Story

Presented by Christina Crabtree – Chief Information Officer - City of Maple Ridge

The City of Maple Ridge embarked on its Open Government journey approximately three years ago. Although the guiding principles for this project focused primarily on increasing accessibility, engagement and transparency to citizens, we realized early on that there were also enormous benefits to be gained by City staff. Through concentrating our efforts on business value, we tapped into our abundance of corporate data and repackaged this data into tools and applications that deliver information that is both beneficial to citizens and that delivers business value and efficiencies to City staff and its operations.