ABSTRACT(S) IN THIS SESSION

Texas Statewide Ownership Layer, and the Coastal Pilot Project
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ABSTRACT TEXT: The concept idea would be to talk about the effort to establish a state-wide ownership parcels data layer, working with the county appraisal districts. It would include project overview/background, costs, benefits, strategies, and methodologies, and could include a technical discussion on data standardization.

ParcelMap BC - Compiling a Parcel Fabric for the Province of British Columbia
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ABSTRACT TEXT: MNC, ESRI Canada and MDA partnered together with The Land Title and Survey Authority of British Columbia (LTSA) to develop ParcelMap BC (PMBC), creating a single, complete, trusted, and sustainable electronic map of all titled parcels and surveyed provincial Crown land parcels in British Columbia. The resulting framework forms a complete visual portrayal of parcels connected with information in the Land Title Register and Crown Land Registry. This solves the long standing request by LTSA stakeholders for an easy, efficient means of accessing land title and survey information using an electronic map of surveyed parcels in BC. Intuitive map-based access to this information improves business efficiencies for government and private industry, and provides value to the general public.

MNC will share their journey through the fabric compilation and conversion of approximately 2 million property parcels into ESRI’s Parcel Fabric data model, highlighting lessons learned:

- ArcGIS geo-processing technology developed for modelling property parcel shape files into Esri’s fully functioning Parcel Fabric which supports spatial adjustment improvements of the fabric (Least Square Adjustments) - a strong desire for the Surveyor General’s office.
- ArcGIS Collector configured to support survey crews in the collection of cadastral ties for the purposes of assessing the fabric spatial quality. The collector tool improved both the efficiency and quality of the collection of field notes, photographs and plan markups.
- On-line GIS technology developed for submitting digital CAD files for the purposes of registration of survey plans, complete with automated quality checks to confirm adherence to business rules such as closed, topologically clean parcel polygons and required data content i.e. control points and annotation. The incoming CAD files are processed, converted and integrated into the parcel fabric to support efficient and sustainable maintenance processes.