Abstract Descriptions

Esri Living Atlas of the World

Primary Presenter
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Program track: Solution Central: Vendor Technical Presentations

Abstract text: ArcGIS includes a living atlas of the world with useful and authoritative maps on hundreds of topics. It combines reference and thematic maps with rich content relating to people, earth, and life. This presentation will describe the living atlas with a focus on how to participate by sharing your organization content with the world through Esri Community Maps.

By joining Community maps, you become part of the global living atlas community, and your authoritative data will enrich a widely-available cloud-based platform comprised of ready-to-use maps, applications and topics that include demographics, imagery, oceans, streets, topography, the natural environment and urban systems.
GDR’s NG9-1-1 Site/Structure Point Placement Tool

Primary Presenter
Patrick Melancon, GIS Data Resources, Inc, San Rafael, CA

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Program track: Solution Central: Vendor Technical Presentations

Abstract text: GDR, in partnership with Intrado, is currently assisting the State of New York’s Office of Information Technology Services (ITS) on their Street Address Mapping (SAM) project, a large scale initiative to:

- build upon, standardize, and correct discrepancies in the current NYS Address Points,
- improve address point positional accuracy (moving address points to primary structures wherever possible),
- attribute address points in accordance to the draft NENA addressing standards.

The NYS SAM project is building standardized, accurate, and up-to-date address points that can be used for Next Generation 9-1-1 (NG9-1-1) and other purposes. At the start of the project, NYS had over 4.2 million consistently formatted parcel centroid based address points available across most of New York State.

In an effort to streamline this process, GDR developed VERAS, a Spatial Management Engine with an add-on module, code-named “Guppy” for rapidly placing points. Utilizing ArcGIS Server, “Guppy” is a web-based tool that allows a user to select a work tile and then place a point on a rooftop and assign one of the several point types used for the project. The whole process is completed through a web browser. This new web-editing tool has proven to be a more efficient way of placing points versus traditional ArcMap workflow.

This short presentation will cover:

1) How the GDR point placement tool came from concept to an active production tool
2) Building a starting address point file (parcels, parcel centroids, address points, common places, addressed footprints)
3) Productivity - traditional ArcMap vs. GDR point placement tool web tool point placement
   - Create rooftop Address Point using intuitive workflow
4) Quality Control Process
   - Built-in quality controls
   - Monitor and track task progress
5) Data Integration and Delivery
   - New shape geometry
   - Attribute transfer