Community Maps & Apps

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“The reality is maps and apps...”

- Jack Dangermond, 2012 Esri UC, San Diego
What is the Community Maps Program?
Example contributions

Peterborough

Ottawa

Cobourg

Sudbury

Canmore, Alberta

Airdrie, Alberta
Example contributions

Kamloops  Squamish  Thompson-Nicola  Quesnel  East Kootenay

Dawson Creek
Community Maps Info
Examples of contributors

- Natural Resources Canada
- Ressources naturelles Canada
- St. John's, Newfoundland and Labrador, Canada
- Manitoba
- Toronto University
- Ontario
- City of Surrey
- York Region
- Ville de Québec
- EIA
The Canadian Community Map in Action

www.banffmaps.ca

www.ville.repentigny.qc.ca/Vie-Citoyenne/Carte-interactive.aspx

tctrail.ca/explore-the-trail/ (TransCanada Trail)

gis.coquitlam.ca/apps/qthemap/

Brandon Maps Example
Canadian Local Government Data Model

CMDM

Local Government Information Model

- Basemaps
- Web Apps
- Models/Charts
- Mobile Apps
- Editing Workflows
Audience

Data Contributors

Those having recent (up-to-date) authoritative data that wish to leverage the Esri cloud and expose a cached representation to 1000s of end-users (including themselves)

End-Users

Base maps are available throughout the Esri technology platform (Desktop/Server/Online)
No credits or fees are required to use or consume the derived Base maps

Developers

Base maps and technology platform (APIs, Templates, Server, etc.) used to Create compelling Apps/services
National Coverage

Incorporation of:

• NRCan Canvec Dataset (small scales)
• Provincial Datasets (medium/large scales)
• Municipal Datasets (large scales)

Included in the World Topographic Base map Service (tiled web cache) and available throughout the Esri Platform (Desktop, Server, ArcGIS Online)

Submitted imagery included in the World Imagery Base map Service
Contributor Webmap

[Map Image]

www.arcgis.com/home/webmap/viewer.html?webmap=786ddbb2025245a9a8009381dd9b1aa0
Main Benefits

• Up-to-date
• Authoritative data

• Free hosting of base map data
• 24/7 access/availability in secure Esri cloud
• Access throughout the Esri technology platform
• Easy to include within applications (mashups, base map layer, etc)
Community Maps Questions?

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Get with the Program

• App-centric “one-click” world
• Instant data and service access
• Expectations have elevated
• Maximize usage and value of data
• Require platform and tie together disparate systems and data from silos
• Flexible APIs to do what a user wants/needs
• Need to continually improve access and flow of information with customers/citizens and inter-department
• Need to continually improve operational systems to achieve a higher order of efficiency
Community Maps & Apps

- Tier III Applications
- Advanced (Tier II) Applications
- Basic (Tier I) Applications
- Community Map
Basic (Tier I) Web Applications

Simple, one click creation with minimal customization. Based on CSV, Excel, direct on ArcGIS online, etc.
Advanced (Tier II) Web Applications

Creation with minimal customization, possibly requiring a combination of ArcGIS Online Hosted Feature Services, ArcGIS Desktop, and/or ArcGIS Server to create compelling, robust, easy to maintain and deploy web applications.
Tier III Web Applications

Advanced Applications leveraging the ArcGIS Platform, high level programming, partner solution
Let’s go build some Apps!
Takeaways

• Community Maps is comprised of authoritative data and made for the “GIS community” and for all

• The ArcGIS Platform is simple yet powerful, provided full suite of tools and mechanisms

• Rapid Application Development

• Start small, then move up the value chain

• We are here to help get you started or keep you moving on your path!
Questions/Discussion

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