



Open Data and Beautiful Maps

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*Collaboration
over Competition*



The Agenda

- Open Data
- Maps in 10 minutes
- Beautiful Maps



Open Data

- What?
- Why?
- Who?
- Where?
- How?



What is open data?

Information that is publicly and accessibly available for everyone.

Examples:

- Census data
- Topographical data
- Human genome
- Works in the public domain



Why is open data important?

- Transparency
- Collaboration
- New ideas without restriction



Who benefits from open data?

- Citizens
- Politicians
- Developers



Where can you get it?

- data.vancouver.ca
- ca.ckan.net
- translink.bc.ca
- data.gov, data.gov.uk
- datadotgc.ca initiative



Concerns

- Privacy
- Cost



How can you use it?

I'll show you!



Maps in 10 minutes

I'll show you!



Maps in 2 minutes

github.com/tylor/quickmaps

Install profile with simple content type and view feature, all preconfigured and ready to go.

Build with drush make, install, ready to go!



Beautiful maps

- Data storage
- Display
- Overlays/Markers
- Tilesets



Data storage

- CCK text field
- Geo
- Location
- Geotaxonomy
- OpenLayers WKT



Display

- Google Maps
- OpenLayers



Overlays/markers

- Marker managers, clustering
- Polygons
- Heatmaps and custom layers



Tilesets

- Prebuilt
 - Google
 - Bing
 - Mapbox
 - Open Street Map
- Custom generated



Generating tiles

- Quantum GIS
- Mapnik
- Cascadenik
- Quantumnik
- TileLite for testing
- Tilemill for production



Future

- Color module
- Tileset styles
- Geo-enabled software



Resources

github.com/tylor/quickmaps

github.com/tylor/vancouver-mapping

Questions?

