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BRITISH COLUMBIA CHAPTER



“The Implications of **Open Data** for GIS and More”

May 20, 2010



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PROLIFERATION

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- Open data
- Data Sharing

The screenshot shows a Google search interface. The search bar contains the text "open data". A dropdown menu is open, displaying a list of suggestions: "open data toronto", "open data vancouver", "open data edmonton", "open data kit", "open data canada", "open database connectivity odbc", "open data government", "open data foundation", "open data calgary", and "open database". A red arrow points from the "Data Sharing" bullet point in the slide above to the "open data" search bar. Below the search bar, the search results are displayed. The first result is "Open Data - Wikipedia, the free encyclopedia". The second result is "The Open Data Foundation". The third result is "Open Data Commons". The fourth result is "Vancouver's Open Data Catalogue -".

File Edit View Favorites Tools Help

Google open data

Search

Share Sidewiki Check Translate AutoFill open data

open data toronto

open data vancouver

open data edmonton

open data kit

open data canada

open database connectivity odbc

open data government

open data foundation

open data calgary

open database

Search: the web pages from Canada

Web [Show options...](#) Results 1 - 10 of about 282,000,000 for open data. (0.12 seconds)

[Open Data - Wikipedia, the free encyclopedia](#)

In some cases **Open Data** may be considered as more properly Open Metadata Open Notebook Science refers to the application of the **Open Data** concept to as ...

[Overview - History - Fundamental Open Rights](#)

en.wikipedia.org/wiki/Open_Data - [Cached](#) - [Similar](#)

[The Open Data Foundation](#)

The **Open Data** Foundation provides a place where the members of different communities can come together and work on the alignment of technology standards and ...

www.opendatafoundation.org/ - [Cached](#) - [Similar](#)

[Open Data Commons](#)

Open Knowledge Foundation project provides a set of legal tools to help people provide and use **open data**. Site includes, project information, licences, ...

www.opendatacommons.org/ - [Cached](#) - [Similar](#)

[Vancouver's Open Data Catalogue -](#)

15 Sep 2009 ... Welcome to the second version of the beta **Open Data** website. This new version includes many more datasets, more data formats, ...



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Acceptance

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- Tipping point

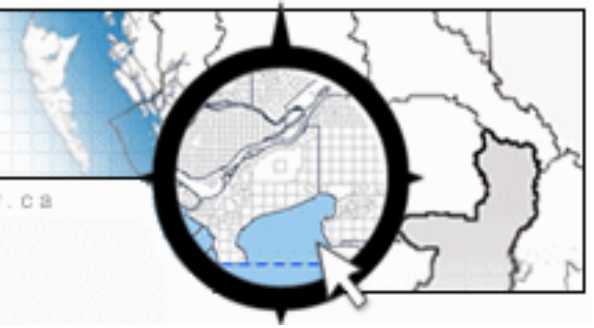




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DRIVERS

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- **Economic**

- Cost reduction vs. increased service
- Shared infrastructure
- Lost revenue
- New revenue & growth





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- **Philosophical & Cultural**

- Transparent Government declaration
 - Gov 2.0
 - Information sites
- Citizen engagement
- Share & seek
- Entitlement
- “VGI”





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- **Business**

- Emerging need
- New revenue
- Information sites
- Leverage data
- New data
- Add value





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• Technical

- Web 2.0
- Social media tools
- Open source



FOSS4G 2010 Barcelona





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CHALLENGES

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- Challenges

- Protectionism
- Ownership
- Legality
- Security
- Policy



Enid was finally ready to admit that compliance was a bit more complicated than she first thought.



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CHALLENGES

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- **Data Sharing Policies & Licensing**

- Retain (credit)
- Restrain (no new value)
- Disclaim (liability)

- **Caveats**

- Standardized
- Simplified
- Quantified





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Protection

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- Digital Rights Management

LOCATION-BASED RIGHTS MANAGEMENT PATENT

AS ARTICLES ELSEWHERE IN THIS ISSUE SET OUT THE LATEST DEVELOPMENTS IN DIGITAL RIGHTS MANAGEMENT IN REGARD TO GEOGRAPHIC INFORMATION AND SERVICES, THIS ARTICLE LOOKS AT A PATENT FILED IN 2005 THAT USES THE LOCATION OF THE USER FOR LICENSING MEDIA USAGE

A patent application filed in 2005 describes a method and system for controlling distribution of content within a personal domain that makes use of a determination of the relative proximity to a source device or the geographic locations of the receiving devices. The location information may be determined using a Global Positioning System (GPS) or wireless triangulation systems. Usage rights for devices in the network are determined using the location or proximity

GeoConnexion

Geo: International

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Protecting Rights Of Data Producers?

The term Digital Rights Management (DRM) abounds in discussions on use of geospatial data. How much progress has been made? This issue of GEO:connexion International focuses on two main topics – use of geospatial data and systems in agriculture and digital rights management...

[Find out more...](#)



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Protection

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• ...OR?

City of Vancouver Open Data Catalogue Beta v2

Residents Business Visitors Jobs with the City Services Departments City Projects Pay & Purchase Online

Terms of use

Introduction

Please note that by accessing the datasets, you agree to these Terms of Use, which are intended to protect and promote the City's commitments to open data and ensure that the recipients of these datasets give back to the community the benefits they derive from these datasets.

If you have any questions or comments about these Terms of Use, please feel free to contact us at opendata@vancouver.ca.

Your Open Licence to the Datasets

The City of Vancouver (City) now grants you a world-wide, royalty-free, non-exclusive licence to use, modify, and distribute the datasets in all current and future media and formats for any lawful purpose. You now acknowledge that this licence does not give you a copyright or other proprietary interest in the datasets. If you distribute or provide access to these datasets to any other person, whether in original or modified form, you agree to include a copy of, or this Uniform Resource Locator (URL) for, these Terms of Use and to ensure they agree to and are bound by them but without introducing any further restrictions of any kind.

Giving City Credit

Although you are not required to credit the City for each use or reproduction of the datasets, you are entitled to do so and encouraged to conspicuously announce that these datasets are publicly available from the City under these Terms of Use. Upon the request of the City, you may be required to remove a credit from future uses or reproductions should the City decide that such credit is not in the public interest.

gets sued or is required to pay someone money, thing which you cause the City to suffer. This the City and all of its agents from any and all breach by you of these Terms of Use, including claim. The City reserves otherwise subject to of the City.

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with all applicable laws

approved, or endorsed

limiting the total made in preparing these ency, or accuracy of the the datasets are free ets have been modified (4) all data

approved, or endorsed

of its other references t to represent or imply

own risk.

of its other references t to represent or imply

Terms of Use are usive jurisdiction of sing under these Terms of Use or these datasets.

modified: Wednesday, January 20, 2010

You agree that you will not and cannot sue the City for anything which the City does or does not do (even if intentional or negligent) in connection with the datasets and your use or inability to use them. Without limiting the general scope of the preceding sentence, this means that the City and its agents are not liable on any legal theory or basis for any direct, incidental, indirect, special, punitive, exemplary, or consequential damages or losses, including without limitation, loss of revenue or anticipated profits, loss of goodwill, loss of business, loss of data, computer failure or malfunction, or any other damages or losses.



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• ...OR?

A-1. Terms of Agreement for use of NJDEP GIS data
(Required by NJDEP Office of Information Management, Bureau of Geographic Information and Analysis.)

1. Digital data received from the NJDEP are to be used solely for internal purposes in the conduct of daily affairs.
2. The data are provided, as is, without warranty of any kind and the user is responsible for understanding the accuracy limitations of all digital data layers provided herein, as documented in the accompanying Data Dictionary and Readme files. Any reproduction or manipulation of the above data must ensure that the coordinate reference system remains intact.
3. Digital data received from the NJDEP may not be reproduced or redistributed for use by anyone without first obtaining written permission from the NJDEP. This clause is not intended to restrict distribution of printed mapped information produced from the digital data.
4. Any maps, publications, reports, or other documents produced as a result of this project that utilize NJDEP digital data will credit the NJDEP Geographic Information System (GIS) as the source of the data with the following credit/disclaimer:

This (map/publication/report) was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not state-authorized.
5. Users shall require any independent contractor, hired to undertake work that will utilize digital data obtained from the NJDEP, to agree not to use, reproduce, or redistribute NJDEP GIS data for any purpose other than the specified contractual work. All copies of NJDEP GIS data utilized by an independent contractor will be required to be returned to the original user at the close of such contractual work. Users hereby agree to abide by the use and reproduction conditions specified above and agree to hold any independent contractor to the same terms. By using data provided herein, the user acknowledges that terms and conditions have been read and that the user is bound by these criteria



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LEVERAGE

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- **Usefulness**

- Clarity
- Easy
- Just enough
- Not enough
- Too much





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• Why ?

“allow the city to improve transparency, cut costs and enable people to use the data to create new useful products”

CBCnews

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City of Vancouver embraces open data, standards and source

City videos could be more widely available soon: Reimer

Last Updated: Friday, May 22, 2009 | 2:46 PM ET | Comments [122](#) | Recommend [85](#)
CBC News

Vancouver city council has endorsed the principles of making its data open and accessible to everyone where possible, adopting open standards for that data and considering open source software when replacing existing applications.

"So it's great," said Andrea Reimer, the city councillor who proposed the motion that passed Thursday afternoon. "The local online community was all very, very happy, and now we just have to look forward on implementation and figuring out the order with which we do that."

Reimer argued that supporting the motion would allow the city to improve transparency, cut costs and enable people to use the data to create new useful products, including commercial ones. She had also noted that taxpayers paid for the data to be collected in the first place.

Text of the central portion of Coun. Reimer's motion:

Be it resolved that the City of Vancouver endorses the principles of:

- **Open and accessible data:** The City of Vancouver will freely share with citizens, businesses and other jurisdictions the greatest amount of data possible while respecting privacy and security concerns.
- **Open standards:** The City of

Vancouver mulls making itself an...
TechBytes: Jesse Brown: Toronto opens up
An open door for open source?

External Links

- Coun. Reimer's motion: Open data, open standards and open source
- City of Vancouver
- Integrated Cadastral Information Society

(Note: CBC does not endorse and is not responsible for the content of external sites - links will open in new window)

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• Why ?

“Open data allows the City to leverage the expertise available in the community to creatively use existing information”



[Home](#) > [City Government](#) > [Open Data](#) >

City Government

- Budget and Taxes
- Calendars
- City Organization
- City Records & Archives
- City Reports
- City-Wide Initiatives
- Edmonton Elections
- Freedom of Information and Privacy
- Jobs
- Municipal Census
- News and Media

Open Data

- [About the Open Data Catalogue](#)
- [Apps4Edmonton](#)

Open Data

The City of Edmonton is committed to openness and transparency. Recent examples of this include 311 ONLINE, the video streaming of City Council meetings, and the enhanced [For Residents](#) section of the City's website. The Open Data initiative is the latest demonstration of this commitment.

The open data initiative will develop an online open data catalogue for data managed by the City. The initiative will also develop an open data strategy for the City, along with an associated administrative directive to guide the release of open data.

Confidential and sensitive information held by the City will continue to be handled in accordance with existing protocols, and provincial and federal law.

Open data allows the City to leverage the expertise available in the community to creatively use existing information. Open data enables Edmonton's research and IT communities to create innovative and sustainable solutions. MyStops and Route 411 are iPhone applications developed by local IT companies for Edmontonians using Open Transit data released less than one year ago.

Online Tools

[Open Data Catalogue](#)

Related Links

[Open City Workshop - Mar 6 2010](#)

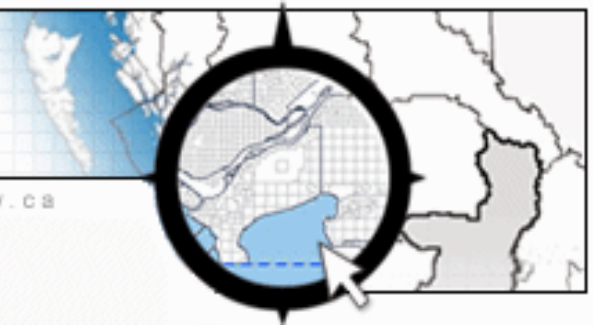
[Acknowledgements](#)



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- Why ?

“will increase efficiency in local government... democratize public data itself... and it will foster innovation”

ReadWrite

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City of Portland, Oregon Officially Backs Open, Structured Data

Written by [Marshall Kirkpatrick](#) / September 30, 2009 12:54 PM / 5 Comments

« Prior Post Next Post »



The City Council of Portland, Oregon unanimously approved a resolution today that directs the city government to open data to outside developers and encourages adoption of open source solutions in technology procurement.

Like the creation of railroads and highways fostered economic development in the past, giving software developers access to a landscape of municipal data could be the beginning of a foundation for a new era of innovation.

"This [resolution] will increase efficiency in local government... democratize public data itself... and it will foster innovation among Portland's world class software community," said Skip Newberry with the Mayor's Office in his testimony according to a report on the local tech blog [Silicon Florist](#).

The full text of the resolution has been [posted as text](#) (from a PDF) on the same blog.

Portland joins San Francisco, Chicago and Vancouver, British Columbia as cities with major



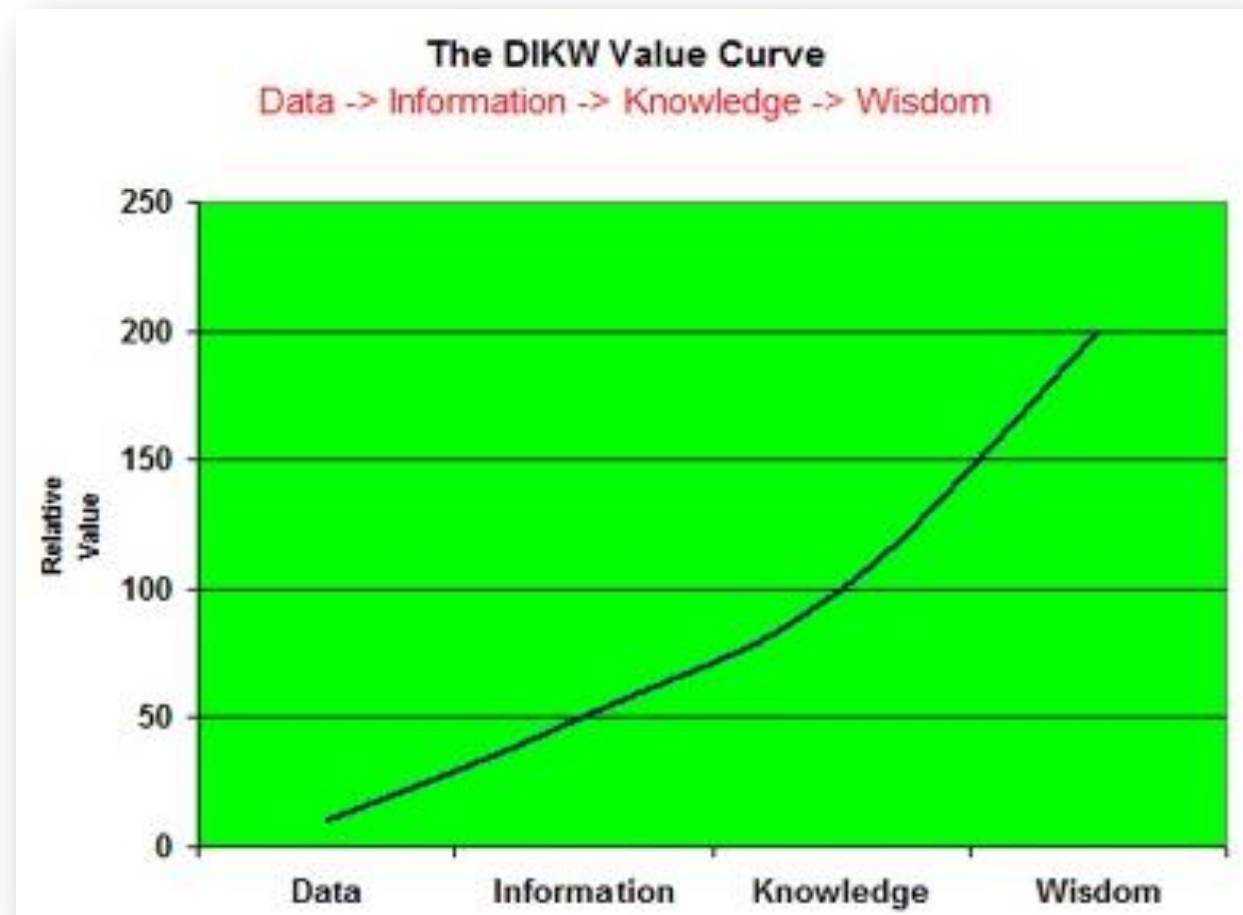
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- Value?





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- Value?



*“Information is not knowledge,
Knowledge is not wisdom,
Wisdom is not truth,
Truth is not beauty,
Beauty is not love,
Love is not music,
and Music is THE BEST”*



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“The Implications of **Open Data**
for GIS and More”

May 20, 2010