





"The Implications of Open Data for GIS and More"



PROLIFERATION

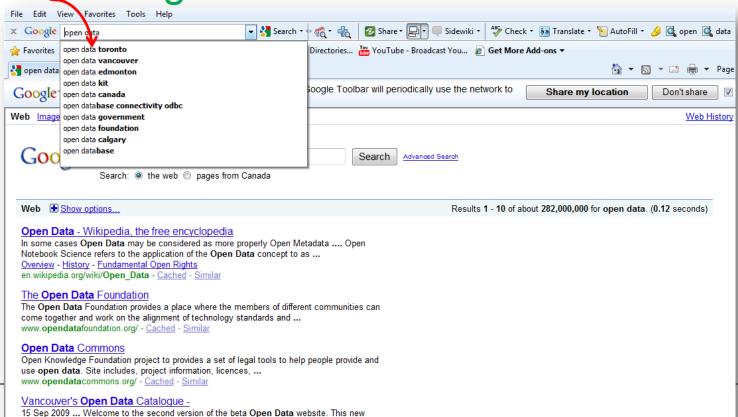
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Data Sharing

version includes many more datasets, more data formats, ...





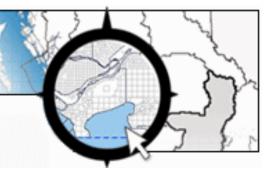
Acceptance

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Tipping point





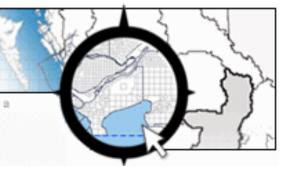


Economic

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





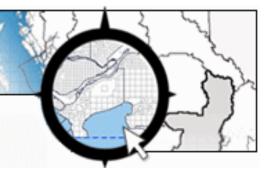


Philosophical & Cultural

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







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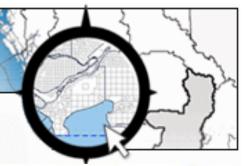
Business

- 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

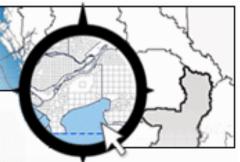






CHALLENGES





Challenges

- Protectionism
- Ownership
- Legality
- Security
- Policy



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



CHALLENGES

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

Caveats

- Standardized
- Simplified
- Quantified





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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 LOOP PATENT FILED IN 2005 THAT **USE LOCATION OF THE USER** FOR LICENSING MEDIA USAG This Month's Issue

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

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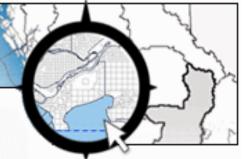
Protecting Rights Of Data Producers?

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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Sharing Agreements (what is good enough?)



DATA AGREEMENT

User Information				
ORGANIZATION (THE "USER"):	ADDRESS:			
CONTACT NAME:	TELEPHONE			
E-MAILI	FARI			

This agreement (the "Agreement") between User and the Integrated Cadastral Information Society ("ICIS") is comprised of

- General Terms and Conditions
- Fee Schedule Authorized Data

This Agreement also includes any of the following addends which are selected below and which are attached hereto:

- Data Sharing Addendum

To the extent that the Special Terms conflict with any other portion of this Agreement, the Special Terms shall prevail.

ENITIAL TERMS	2 W		
EFFECTIVE DATE:			
TERMINATION DATE:	December 31, 2010		

In consideration of the motion promises and contracts contained in this Agreement, then and ICES healty contract and agree to the board by this Agreement, the STEANING BECON, USER ACCOUNTEDIOR SAND CONTRIBUTE THAT IT BEAD THE AGREEMENT (INCLUDING ALL ATTACHMENTS HERETO) AND UNDERSTANDS THAT IT IS BOUND BY ALL OF THE TERMS OF THES AGREEMENT.

Usen:	INTEGRATED CADASTRAL INFORMATION SOCIETY 1337 PAULISES AVENUE, STE, 16 VICTORIA, BRITISH COLUMBIA, CANADA VST 472
By:	By:
Name:	Name: Dan Shannon
Title:	Title: President, ICIS

DISPUTE RESOLUTION

GENERAL TERMS AND CONDITIONS

Arbitration. Except as contemplated under Paragraph 7.2, any controversy or claim arising out of or relating to this Agreement or the existence, validity, breach or termination thereof, whether during or after its term, will be finally settled by compulsory arbitration in accordance with the Commercial Arbitration Act (British executed in writing and signed by the party against whom enforcement of the waiver or modification is sought. Waiver of any breach of any term or condition of this Agreement will not be deemed a waiver of any prior

10.4 Force Majeure, Neither party will be liable for failure or delay in performing an obligation under this

ps to causes beyond its reasonable ral catastrophes, governmental acts or regulations, labour disputes, ages or third party dependencies If the control of such party including ided to ICIS. These causes will not aying any accrued amounts due to

ent without ICIS' prior written pt to do so without ICIS' approval

roseble, in whole or in part, such his Agreement upon notice to User. Law. This Agreement shall be rules of private international law plication of the laws of any other es expressly disclaim the application is Convention on Contracts for the Goods to the Agreement.

clusive statement of the agreement or with respect to its subject matter.

ine and the same Agreement.

Notwithstanding the expiry or Agreement, the parties hereto m, and agree that any provisions are intended to survive the expiry Agreement (including Sections 4, 5, survive the expiry or termination of hall continue in full force and effect

AUTHORIZED DATA

een compiled and made ed to ICIS by any local y and attribution of as-is

in Schedule At Local

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ample shown. Management digital data Elevation Model (DEM) inds ,Land and Resource

administrative boundary lan reserves, integrated de district, municipality, school district, Nisga'a

gread to by both parties.

ue in full force and effect

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Authorized Data Licence. Subject to the terms and conditions of this Agreement, ICIS hereby grants User a non-exclusive, non-transferable, time-limited license to use the Authorized Data provided to athorized to eccess in his Agreement, as such in the Authorized Deta User from the Datastore solely for User's own Internal

(iv) remove, cover, or alter any trade-mark, trade name, copyright, or other proprietary notices, labels, or marks appearing on or in copies of any Authorized Data or

Documentation; or (v) reverse engineer, de-compile, disassemble, or otherwise attempt to derive the source

2.3 Access. User is solely responsible for all costs associated with accessing the Datastore or otherwise

using the Authorized Date. The User shall only access samp the Authorized Letts. The User shall only access the Datastone in accordance with the Datastone Access Policy, which User acknowledges receiving a copy of from ICIS. ICIS has the right, from time to time, upon 60 days notion to User, to amend the Datastone Access Policy and User shall comply seth such amendments to the Complex of the Complex of

upon the expiry of such notice period. If User obtains access to or copies of any information or data in the Datastore other than the Authorized Data then User

agrees (a) that it shall immediately notify ICIS of the

same; (b) it shall not use such unauthorized information in any manner; and (c) it shall immediately return or

2.4 Error Reporting. User shall promptly report to ICIS all errors, deficiencies and other problems that it identifies with respect to the Authorized Data or the Documentation or with respect to accessing the Datastore in accordance with the Error Reporting Policy.

2.5 End Users, User shall enter into an agreement 2.5 End Osers. Oser shall enter into an agreement ("Sublicease") with any End User otherwise authorized to access Authorized Data hereunder that subjects End User to obligations in respect of such Authorized Data equivalent to or more stringent than the obligations contained in this Agreement including, without limitation,

all limitations of liability, indemnities and "AS IS" provisions set forth in the Agreement. For greater certainty, the Sublicenses shall reflect and include: (a) all

limitations, restrictions and provisions imposed on User Imitations, restrictions and provisions imposed on their in the Agreement, including by way of example limitations as to proprietary rights as set forth in Paragraph 5.1, shell apply to such End Users as if they were the "Liber" under the Agreement; and (b) all provisions for the benefit of FLIS and its Contributors provisions for the benefit of FLIS and its Contributors.

which shall continue to accrue directly for the benefit of

code of any software included in the Datastore

ians all information and 2.2 Limitations. Except as expressly provided in this Agreement, User shall not (and will not authorize or in any way assist others to): (i) commercially exploit, im the Detastore, the station, in whatever form enerally to the public, or in any way assist others top: (y) commercially esport, reproduce, oppy, modify, translate, or otherwise change the Datastone, Authorized Data or Documentation; (j) rent, lease, license, transfer or otherwise provide third perties access to the Datastone, the Documentation any Authorized Data (iii) distribute or provide or any Authorized Data (iii) distribute or provide to the provide of the provide of the provide provide or provide or provide to the provide of the provide or provide to the provide to th I provide information or subscriptions to the Datastore or any Authorized Data;

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e by User to ICIS as tached hereto.

use of Authorized Data in of Authorized Data as drop for non-commercia d Users in this manner is een prints, without the area that such End Users re subject to terms and Authorized Data in the aph 2.5 below; and (c)

charges related in any by End Users unless User invite expressly authorized to do so pursuant to the Reseller Addendum. For clarity, the Documentation includes examples of acceptable and unacceptable forms

"Sublicense" has the meaning set forth in Paragraph 2.5

rights, nor will User acquire any re, the Authorized Data or the the limited use rights specified in

liver shall indemnify, defend and

and all Contributors and their

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any term or condition under the

pact of any use by User or any End re, the Authorized Data or the arising out of any actions taken by

provisions of this Agreement Paragraph 2.5.

B, NOR ANY CONTRIBUTOR, NOR HER DIRECTORS, OFFICERS, AGENTS OR INDEPENDENT IS SHALL BE LIABLE TO USER FOR

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INCLUDING THIS SECTION 6 A FAIR ALLOCATION OF RISK SE PARTIES BASED UPON THE

BREACH OF CONTRACT, STRICT LIABILITY OR ANY OTHER

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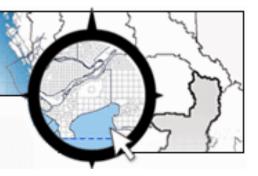
ement. This Agreement constitutes

ts. This Agreement may be parts, or fax counterparts, each of d by either of the perties shall be iginal and such counterparts shall

hanges to number and gender as the leadings are for convenience only, be interpreted with all changes to so the context requires. The parties t is their wish that this contract and hereto shall be in English.



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...OR?

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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.

About the data

City web feeds

Data formats

Data updates

Terms of use

Feedback

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.

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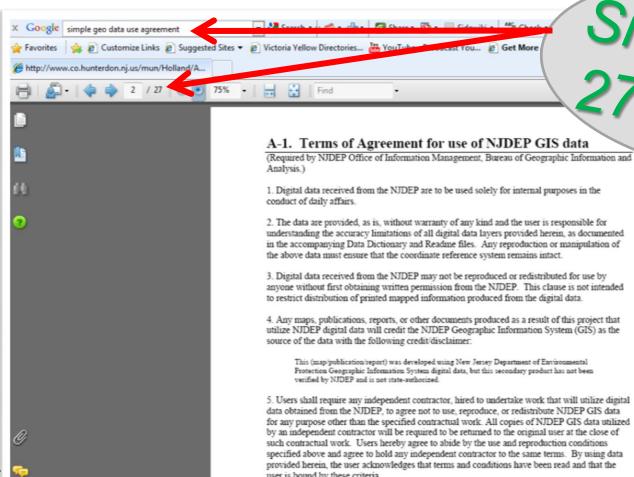
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odified: Wednesday, January 20, 2010



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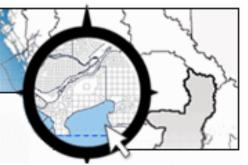




Simple??=
27 pages!!



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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"

cBC news

World Canada Politics Health Arts & Entertainment Technology

Story Tools: EMAIL | PRINT | Text Size: S M L XL | REPORT TYPO | SEND YOUR FEEDBACK | [SHARE

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 pen and accessible to everyone where possible, adopting open standards for that date and considering open source software when replacing existing applications

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

and 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

- 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

se Brown: Toronto opens up TechBvtes:

en 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)

Technology & Science Headlines

Top Headlines

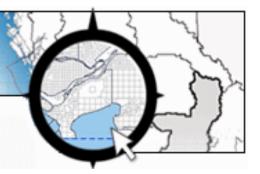
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Why ?

y?

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

ENVIRONMENTAL

Home > City Government > Open Data >

BUSINESS

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

BYLAWS 8

The City of Edmonton is committed to openness and cansparency. Recent examples of this include 311 ONLINE, the video streaming of City Council meetings, and the enhanced <u>For Residents</u> section of the City's website. The Open Data initiative is the latest demonstration of this commitment.

CITY GOVERNMENT

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

FOR RESIDENTS

Open Data Catalogue

Related Links

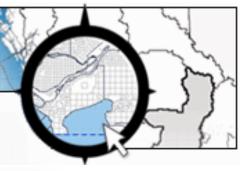
Open City Workshop - Mar 6 2010

TRANSPORTATION

Acknowledgements



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City of Portland, Oregon Officially Backs Ofen, 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 dire is the city government to open data to outside developers and encourages adoption of open source solutions in technology progreement.

Like the creaton 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.

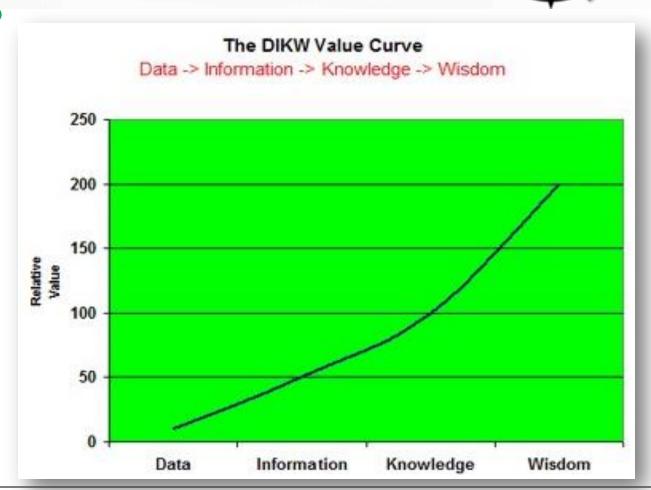
Portland joins San Francisco, Chicago and Vancouver, British Columbia as cities with major



.ca

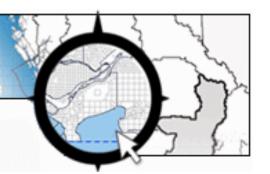
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Value?

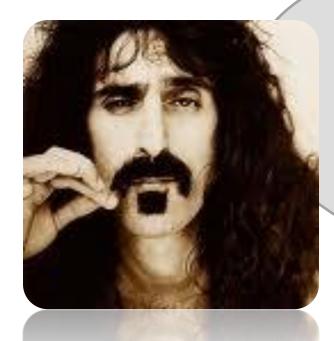




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Value?



"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"







"The Implications of Open Data for GIS and More"