



ICIS

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FORT ST. JOHN
The Energetic City

SPATIAL DATA

Achieving Collaborative  Success

March 18, 2010



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ICIS Today

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- **Integrated Cadastral Information Society**





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- **Integrated Cadastral Information Society**
 - *Collaborating*
 - *Sharing*
 - *Trusting*





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VISION

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- **Vision:**

Collaborative sharing and integration of spatial data for the economic and social benefit of British Columbia.

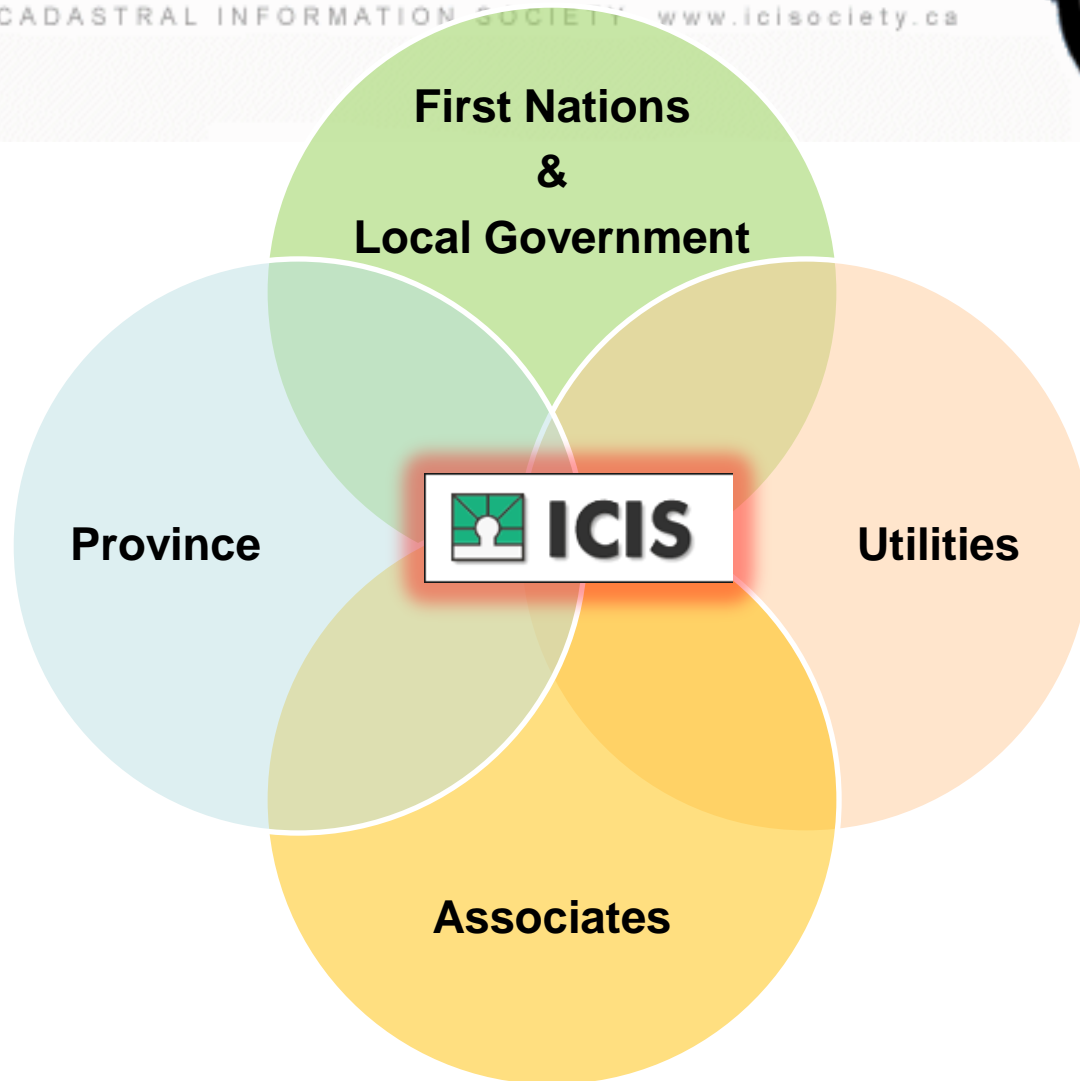
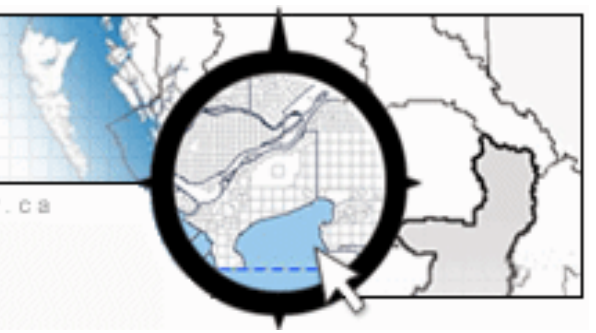




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Membership

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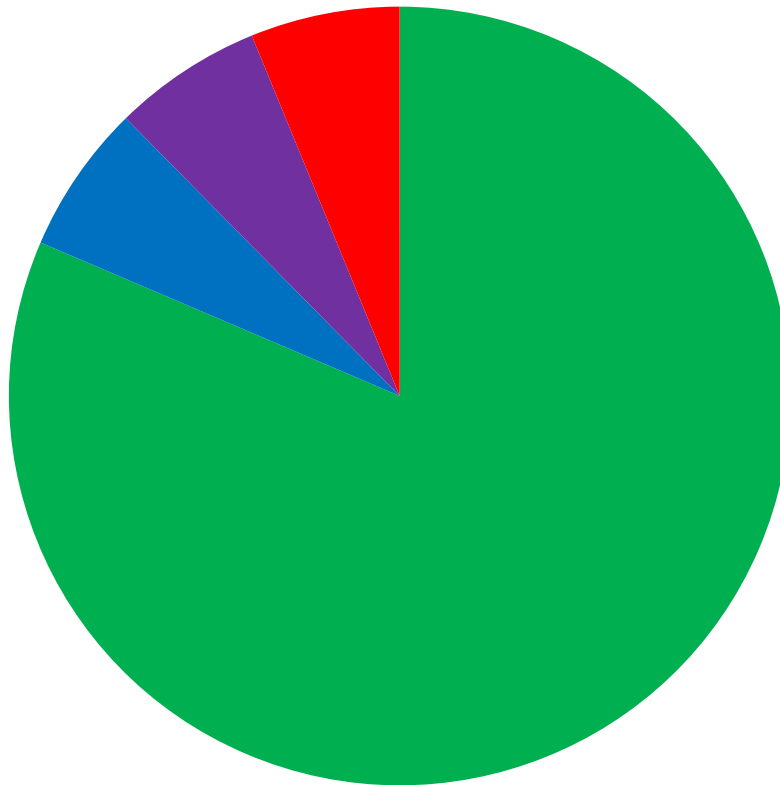
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KEY INDICATOR

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Membership: 209 DSLAs



- LG & RD: 171
- Associate: 13
- Prov & Utilities: 13
- First Nations: 13 (28)



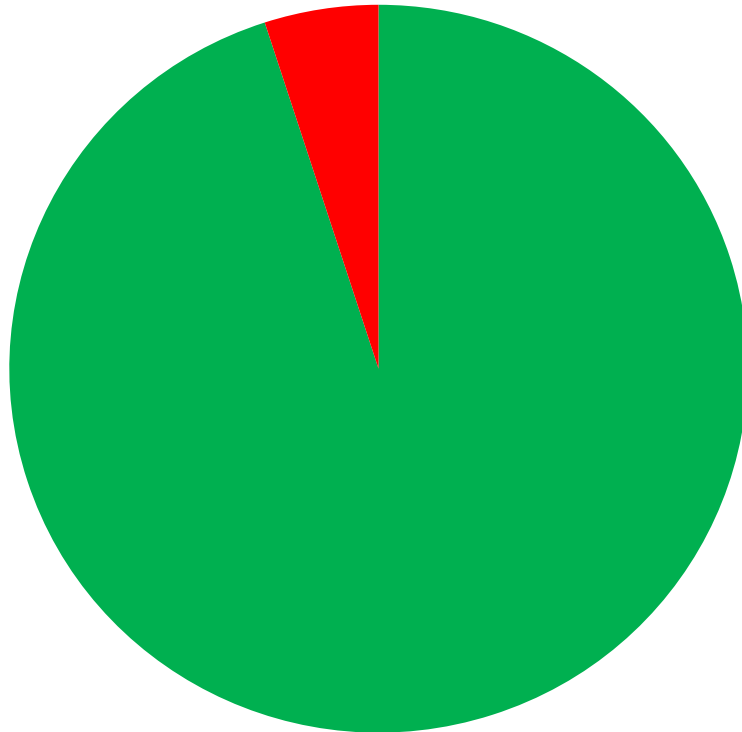
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KEY INDICATOR

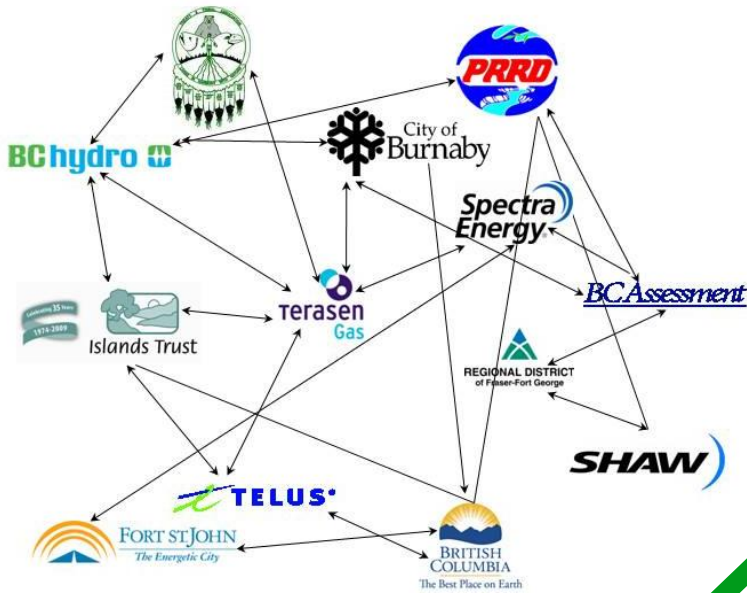
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Provincial Land Base represented



- Membership base: 95%
- Not represented: 5%



Without ICIS

Without ICIS, agreements must be reached with all players



Access to ALL

Shared data with a single "DSLA Agreement"



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RECOGNITION

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FOR IMMEDIATE RELEASE
May 20, 2009

ICIS Wins ESRI Canada's Award of Excellence - Innovative approach to provincial data sharing creates unprecedented economies of scale

Victoria, BC - May 20, 2009 - The Integrated Cadastral Information Society (ICIS) received ESRI Canada's Award of Excellence at the Regional User Conference in Victoria, BC earlier today. The award was presented to recognize the Society's ability to develop a workable and successful model for provincial data sharing that is the first of its kind in Canada.

ICIS is a not-for-profit society, incorporated in May of 2001 as a partnership between major utility companies in British Columbia, local governments and the BC Provincial government to collaboratively share and integrate spatial data.

This partnership allows stakeholders to access data from a variety of contributors through a single agreement, removing the previous overhead that required each organization to have a unique agreement in place with data custodians.

"ICIS has demonstrated remarkable leadership by developing an innovative approach to data sharing that is unique in this country," said Myron Doherty, Pacific Regional Manager, ESRI Canada. "Providing a common portal for all members to access spatial data has brought efficiencies and economies of scale to member organizations that are unprecedented even on a global scale."

"By creating a mechanism to integrate spatial data through a single source, we have brought key provincial organizations together to meet around the same table," said Barry Logan, General Manager, ICIS. "Organizations that wouldn't normally interface are now collaborating on province-wide planning initiatives and sharing critical spatial information."

###



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OPPORTUNITIES

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Agree & support the  **ICIS** vision by:

Working together to

- Build a Point based Address system
AddressBC
- Build the single parcel fabric for the province
BC Spatial

A photograph of a green street sign with white text that reads "OPPORTUNITY". The sign is mounted on a pole against a blue sky.



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SUPPORT: PROVIDING VALUE

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INTEGRATED
CADASTRAL
INFORMATION
SOCIETY

ICIS Membership Provides Substantial Benefits to BC's First Nations



ABOUT ICIS

The Integrated Cadastral Information Society or ICIS is a non-profit society incorporated in May 2001 as a collaboration between Local Government, Provincial Government and the major Utility companies in British Columbia.

ICIS members are dedicated to the 'collaborative sharing and integration of spatial data for the economic and social benefit of British Columbia.'

ICIS continues to work with the membership through the BC Spatial Program and the Civic Spatial Grant Program to improve the accuracy and the content of the member data.

As ICIS members, First Nations have access and download privileges to data from other ICIS members' datasets:

- The Integrated Cadastral Fabric
 - ✓ A cadastre showing Crown & Private lands parcels
- The Local Government Cadastre
 - ✓ Municipal & Regional District Subdivision parcels
- BC Assessment Fabric
- Conservation Parcels
- AddressBC data (coming soon)
- BC Hydro Distribution Infrastructure Data
- BC Transmission Infrastructure Data
- Shaw Cable Infrastructure Data
- Terazen Gas Infrastructure Data
- Spectra Energy Infrastructure Data
- Fortis BC Infrastructure Data
- BC Centre for Disease Control Data
- Agricultural Land Commission Data
- TRIM 1 & TRIM2 Data
- BC Parks and Recreational Areas Data
- Administration Boundary Data
- Forestry Data
- Tantalus Data
 - CLAB1 - Indian Reserves
 - CLAB2 - National Parks Data

Become a member of ICIS

Review our Membership Policy at

www.icsociety.ca

or contact ICIS Membership Coordinator,

Ken Rigler at 250.381.9295 or at

krigler@icsociety.ca

for more information.

Our members tell us that ICIS Data Sharing & Licensing Agreements enable and provide a common trust among members.

"ICIS Membership has enabled a much closer working relationship with the GIS Departments of Peace River Regional District and the City of Fort St. John," states Leeanna Rhodes from the Treaty 8 Tribal Association.

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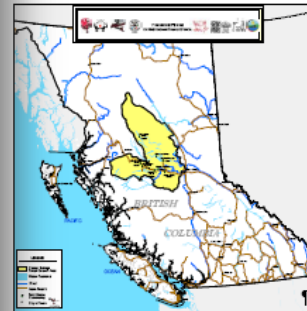
MEMBER PROFILE



CARRIER SEKANI TRIBAL COUNCIL

The Carrier Sekani Tribal Council (CSTC) was created in 1982 to provide political and technical support for the Dakelh (Carrier) and Selk'w'it' First Nations. The member First Nations of the CSTC are Burns Lake Band (Ts'il Kaz Koh First Nation), Nak'azli Band, Nadleh Whut'en First Nation, Saik'uz First Nation, Stellat'en First Nation, Takla Lake First Nation, Tl'ast'en Nation, and Wet'suwet'en First Nation. The combined population of the CSTC membership is over 10,000 people. The territories of the CSTC member First Nations is approximately 78,700 sq. kms (7.87 million hectares), amounting to 8.3% of area of BC, or twice the size of Vancouver Island and roughly the size of Ireland. This vast area is located in central British Columbia and stretches from Prince George to Houston, BC (east-west) and Ootsa Lake to Thudade Lake (south-north).

The CSTC Natural Resource Department focuses in the areas of fisheries, land use planning, natural resource management and mapping analysis. In 2007, the CSTC undertook a project (funded by GeoConnections and INAC) to develop a centralized mapping service for its member First Nations through the creation of a web-based Open Source GIS. In partnership with the Tailhook in National Government and the University of Northern BC, the CSTC was able create innovative technology that addressed First Nations needs.



When compiling cadastral data for the Burns Lake area, the CSTC GIS Analyst found discrepancies in official surveyed boundary areas between the Regional District and an Indian and Northern Affairs Canada (INAC) data for Indian Reserves. Identifying the source of authoritative data was the trigger for

the CSTC to join ICIS in 2008, becoming one of the first aboriginal organizations, along with Treaty 8 Tribal Association, to become members of ICIS.

ICIS now provides the authoritative cadastral datasets to the CSTC. This is a huge time saver for the CSTC and has helped them reduce the cost of acquiring authoritative datasets and correcting information that they already have from other sources. Efficiently creating maps and analysis for 20+ different Indian Reserves and a huge traditional territory was a challenge prior to becoming part of ICIS. CSTC has a small team of staff members with limited resources, and having access to a single source for cadastral data allowed CSTC to more effectively fulfill mapping requests to CSTC member First Nations.

The CSTC is planning to continue their working relationship with ICIS. They would like to improve their cadastral datasets for priority areas to address emergency planning and economic development in high population zones. Membership in ICIS has allowed CSTC staff to learn about challenges and opportunities of other governments in data and information management.

For a community who selected the goose as their symbol, the association with ICIS is a natural fit. As written in The Goose Story at www.cstc.bc.ca:

"When people share a common direction and sense of community, they can get where they are going easier and faster because they are traveling on the thrust of one another."

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SUPPORT: EDUCATION

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- ICIS workshops





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SUPPORT:
FACILITATION

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- 2010 Olympics
Tiger Team

- Air Photo
Consortium





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GROWING TREND

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- Open data
- Data Sharing

The screenshot shows a Google search for "open data". The search bar contains "open data" and the search button is visible. The search results are displayed below the search bar, showing the first few results. A red arrow points from the "Data Sharing" bullet point in the list above to the search bar.

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 data **base connectivity odbc**

open data **government**

open data **foundation**

open data **calgary**

open data **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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FACTORS

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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
- “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





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- **Challenges**

- Protectionism
- Ownership
- Policy
- Legality
- Security





ICIS

Adopter

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View Royal - Another First for AddressBC

Victoria, BC, February 8, 2010

The [Town of View Royal](#), on Vancouver Island, is the first municipality in BC to adopt the [AddressBC data model](#) as a core piece of their new GIS implementation. This shows tremendous support for AddressBC, ICIS's geospatial point-based address system currently in the final development phase.

Emmet McCusker, Director of Engineering Services for View Royal, explains their leading edge in adopting AddressBC: "We didn't want to reinvent the wheel and the timing was right for us to adopt a best practices approach to maintaining our address information."

Address data for View Royal was initially built by converting CAD drawing address annotation to create address points. These address points were used to [seed the AddressBC system](#) as part of the initial development. Checking the address data was completed by the Engineering and Planning Departments with a final field verification to be undertaken by the View Royal Fire Department.

Steven Garner, lead consultant for the GIS project, notes that, "We have learned a lot and continue to learn the nuances that go along with using the AddressBC model." View Royal's early experience implementing AddressBC will serve as a valuable guide for other Local Governments.

In addition, View Royal has also adopted the ICF standard from ICIS for their base cadastral data. This will ensure that both addressing and cadastral data will be in the best format for sharing with their fellow [ICIS members](#).



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