

Making **BIG DATA** Music





Big Data

Big data is high-volume, high-velocity and high-variety information assets that demand cost-effective, innovative forms of information processing for enhanced insight and decision making.






ICIS is a leader in the sharing of geospatial information; driving collaboration, integration, adoption and use of spatial data for the social and economic benefit of British Columbia

ICIS Today



MAKING BIG DATA MUSIC

	MEET STRATEGIC OBJECTIVES
1	Validate vision
2	Establish Data Quality and Completeness
3	Engage & Check-in with Members
4	Improve Communication
5	Establish Sustainable Funding

	Strategic Alignment & Focus	#1: DATA	#2: ENGAGE	#3: VISION	#4: SUSTAIN	#5: COMMUNICATION
1	ICIS Cadastre 	*	*	*	*	*
2	AddressBC 	*	*	*	*	*
3	GeoShare 	*	*	*	*	*

1	189 jurisdictions
2	No data model
3	Different sources
4	Different capabilities
5	Buy In



6	One to Many & Many to One
7	Time to listen
8	False starts
9	Consistency
10	Currency

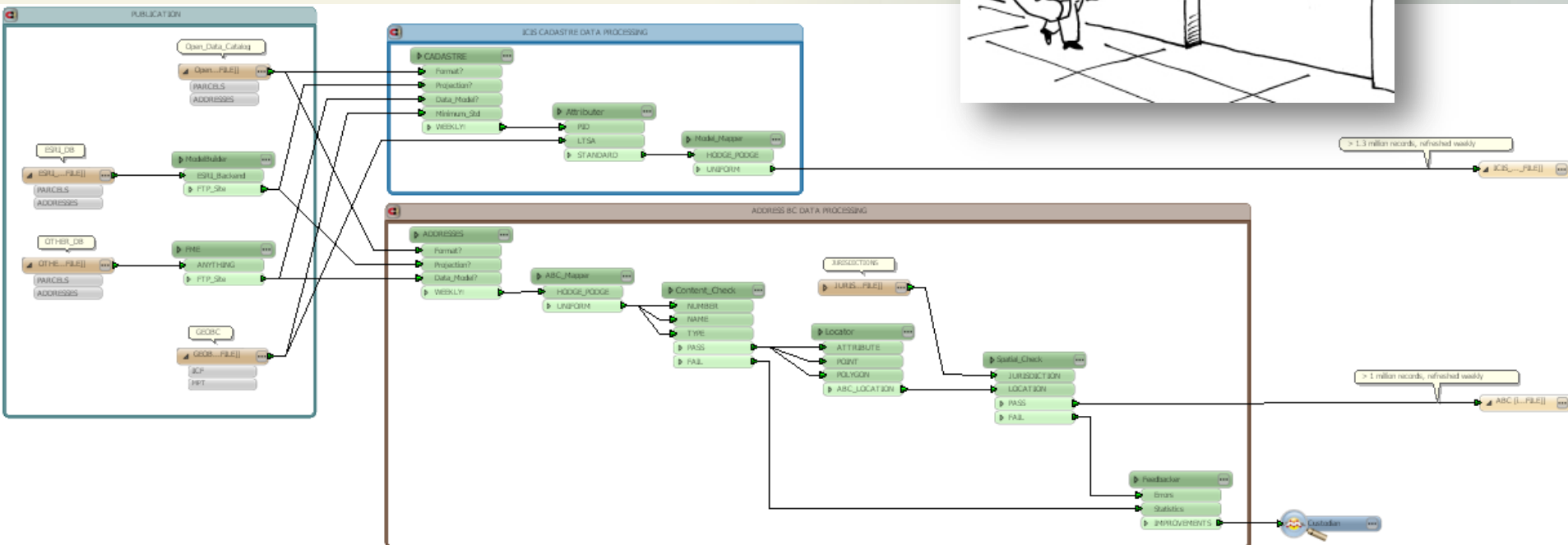


WHERE TO START	
1	Ask our members
2	Proof of concept Pilot
3	High consumer interest
4	High adoption interest
5	Strategic Communications
6	Coordinated visits



GeoShare

- Extract from 188 providers
- Transform to standard
- Load cadastre and address DBs



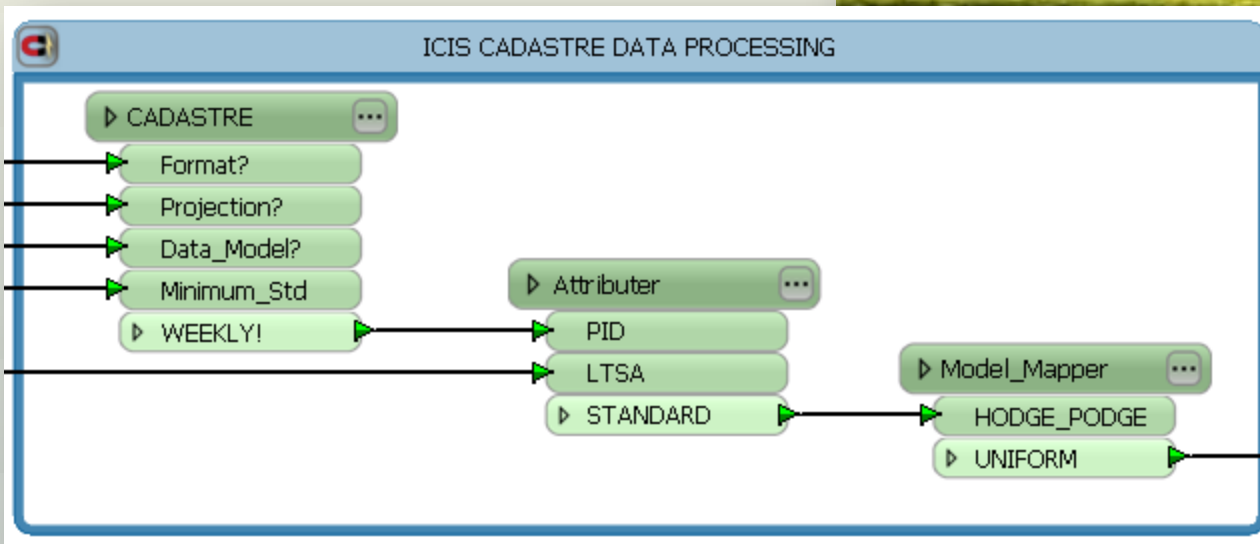
■ Publishing Parcels and Addresses

- Open Data Catalogs
- ModelBuilder > FTP for ESRI back-ends
- FME > FTP for others
- Once a week, please!
 - FME Server checks for updates
 - Initiates update processes for new data
 - Emails administrators for stale data



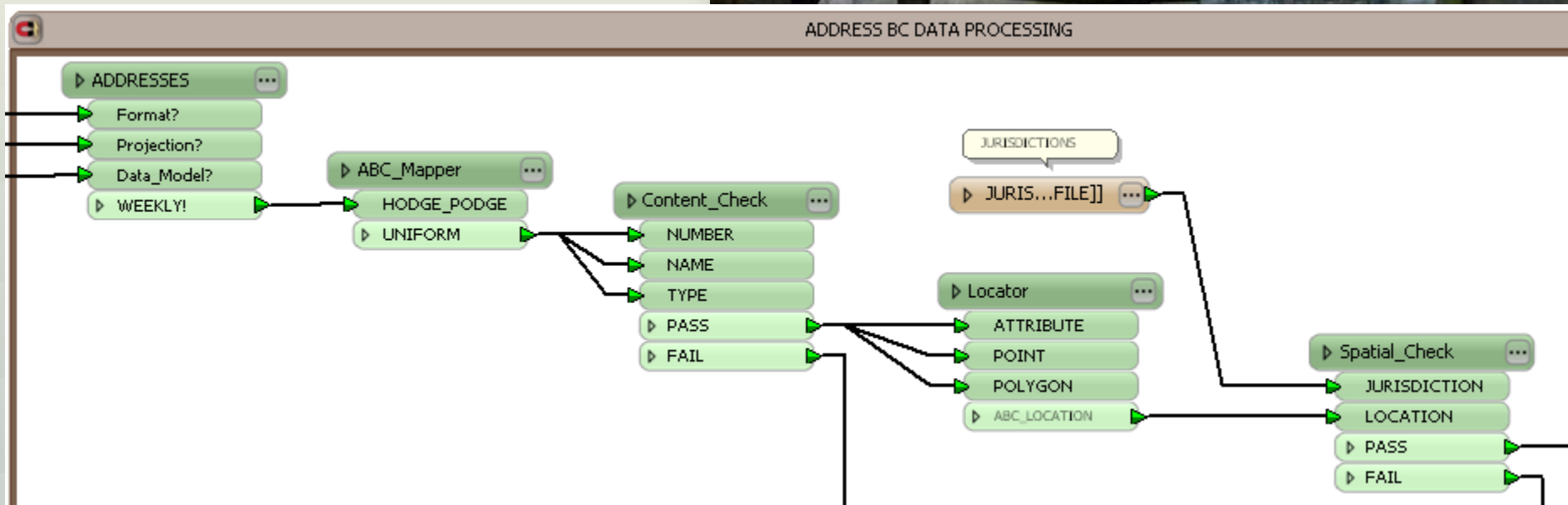
■ Integrating Parcels

- Inherit standardized attribution from GeoBC
- Best-guess model mapping
- One jurisdiction, one custodian
- Individual records are never rejected



■ Integrating Addresses

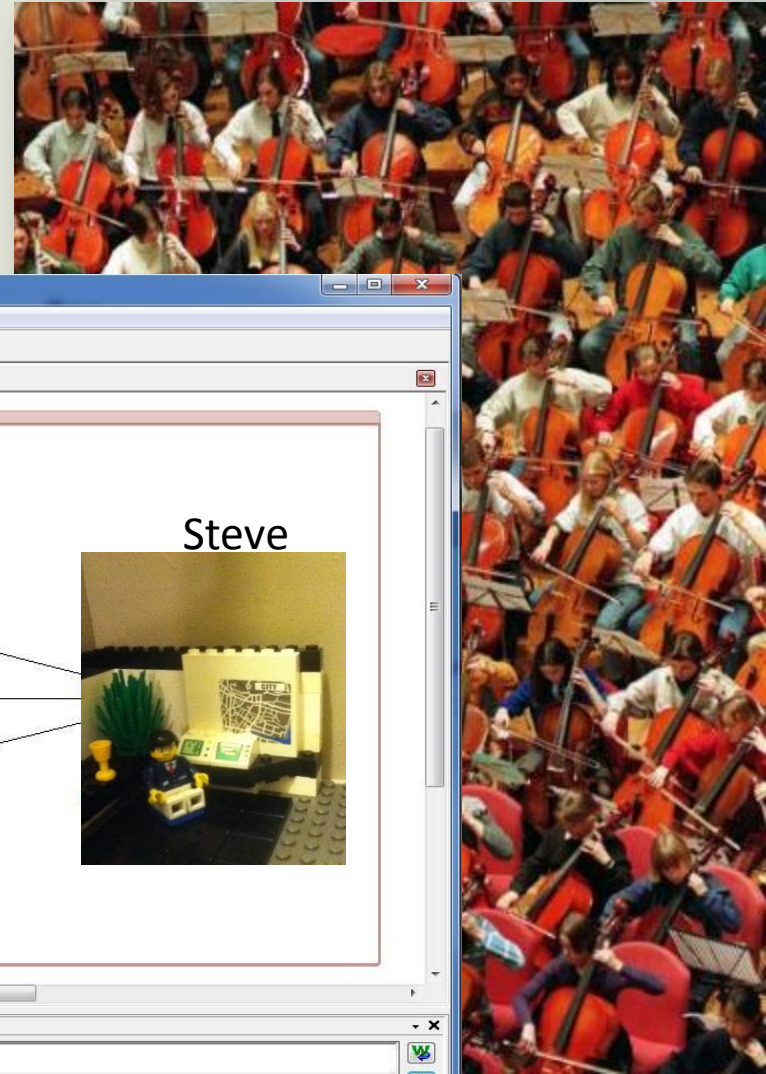
- Best-guess model mapping
- Parsing STREET NAME, NUMBER TYPE minimally
- Conversion to point locations
- Spatial jurisdiction check



- Big Relationships amongst Members
 - Accommodate the diversity of our members
 - Larger urban municipalities/Smaller rural municipalities
 - Associate Members
 - Utilities/First Nations



■ GeoShare Publication



C:\Metadata\Presentations\Kelowna 2013\Network_Overview.fmw - Extract Burnaby 4 ICIS - FME Workbench

File Edit View Insert Readers Transformers Writers Inspection Tools Help

Navigator

- Address\LOT_shp [SHAPE]
- Transformers
- Bookmarks
- Parameters
 - Published Parameters
 - [ftpHost] FTP Host : 192.16
 - [ftpPort] FTP Port : 1042
 - [ftpUser] FTP User : Burnab
 - [ftpPWD] FTP Password : *
 - [outZipName] Zip File Name
 - [outZipDir] Zip File Directory
 - [SourceDataset_SHAPE] So
 - Private Parameters
- Workspace Resources
- Workspace Properties
 - Workspace Title: Extract Burnab
 - Workspace Description: <not se
 - Log File: <not set>
 - Source Redirect: No Redirect
 - Destination Redirect: No Redire
 - Terminator Redirect: No Redire
 - Advanced
- Workspace Search

Start Main

The Collection

Carlos

Steve

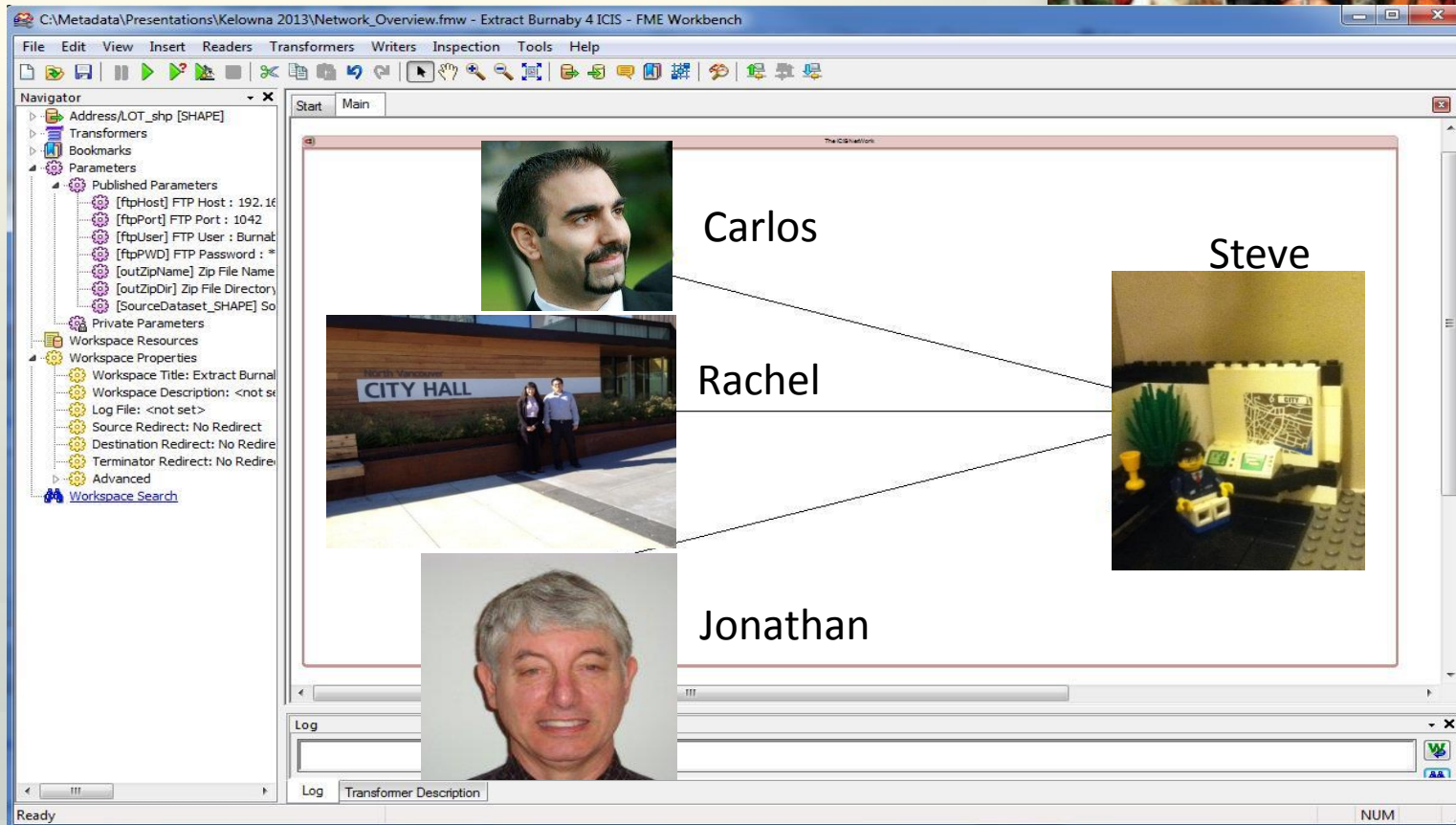
Rachel

Jonathan

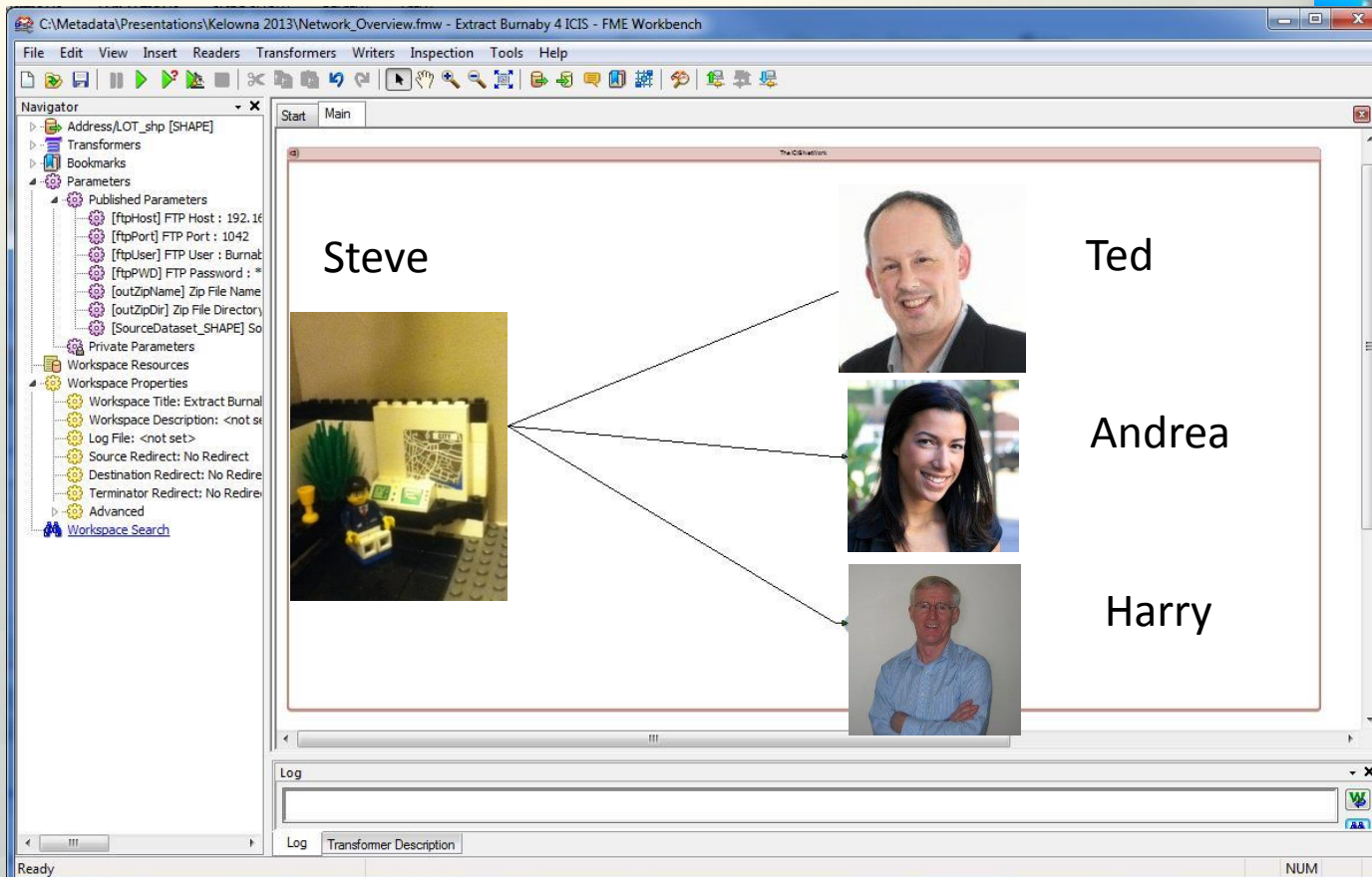
Log

Log Transformer Description

Ready NUM



■ GeoShare Subscription



Steve

Ted

Andrea

Harry

Log

Log Transformer Description



BIG DATA QC RESULTS

GeoShare QC

- FME mails you the results
- Link to failed features
- Link to process documentation
- At-a-glance statistics
- = data improvements over time!



RICHMOND GeoShare Data Processing Results

ICIS GeoShare
to paul, smark, blogan, WBatke, aarchibald

Mar 13 (1 day ago)

Dear member,

ICIS has completed GeoShare processing of the RICHMOND dataset.
[QC results may be downloaded here.](#) Results will be available for two weeks from the date of this notification.

Please refer to the [GeoShare Data Processing Results Help Document](#) for a detailed description of the conversion process and QC results.

GeoShare Statistic	Result
GeoShare Process ID:	{C265A9E8-BB0C-41C6-AC6E-FFE2AC4DB060}
Data source spatial reference:	UTM83-10
Data source file type:	Shapefile
Data source file vintage:	Wed Mar 13 10:06:00 2013
ICIS Cadastre - parcel count:	74214
Number of parcels with no change:	73873
Number of parcels added (new):	341
Number of parcels deleted (archived):	0
AddressBC conversion - CIVIC ADDRESS count:	0
AddressBC conversion - SUB ADDRESS count:	32762
AddressBC conversion - ADDITIONAL LOCATION count:	38823
AddressBC conversion - EXTENDED ADDRESS count:	0
AddressBC QC - number of records ignored for ABC load:	0
AddressBC QC - number of invalid STREET NUMBER records:	2628
AddressBC QC - number of invalid STREET NAME records:	0
AddressBC QC - number of unknown STREET TYPE records:	0
AddressBC QC - number of addresses outside of jurisdiction polygon:	4300

If you have questions regarding this GeoShare report please [contact Steve Mark](#), ICIS Technical Coordinator, at [250-381-9295](tel:250-381-9295) ext 225.

Best regards,
Your ICIS team.

Member Feedback

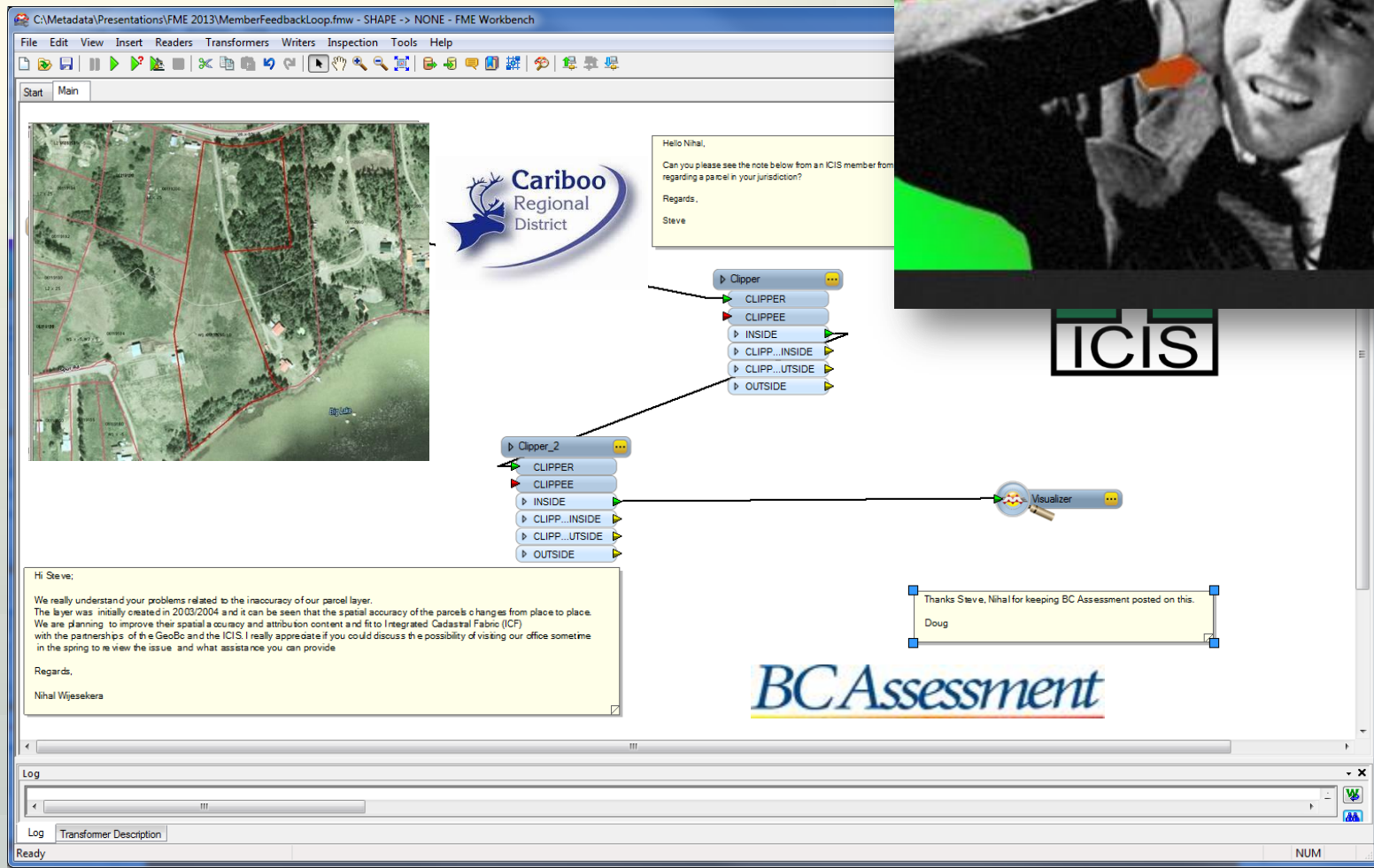


ICIS

C:\Metadata\Presentation\FME 2013\MemberFeedbackLoop.fmw - SHAPE -> NONE - FME Workbench

File Edit View Insert Readers Transformers Writers Inspection Tools Help

Start Main



Cariboo Regional District

Hello Nihal,
Can you please see the note below from an ICIS member from regarding a parcel in your jurisdiction?
Regards,
Steve

- Clipper
 - CLIPPER
 - CLIPPEE
 - INSIDE
 - CLIPP...INSIDE
 - CLIPP...UTSIDE
 - OUTSIDE
- Clipper_2
 - CLIPPER
 - CLIPPEE
 - INSIDE
 - CLIPP...INSIDE
 - CLIPP...UTSIDE
 - OUTSIDE
- Visualizer

Hi Steve;
We really understand your problems related to the inaccuracy of our parcel layer. The layer was initially created in 2003/2004 and it can be seen that the spatial accuracy of the parcels changes from place to place. We are planning to improve their spatial accuracy and attribution content and fit to Integrated Cadastral Fabric (ICF) with the partnerships of the GeoBo and the ICIS. I really appreciate if you could discuss the possibility of visiting our office sometime in the spring to review the issue and what assistance you can provide
Regards,
Nihal Wijesekera

Thanks Steve, Nihal for keeping BC Assessment posted on this.
Doug

BC Assessment

Log

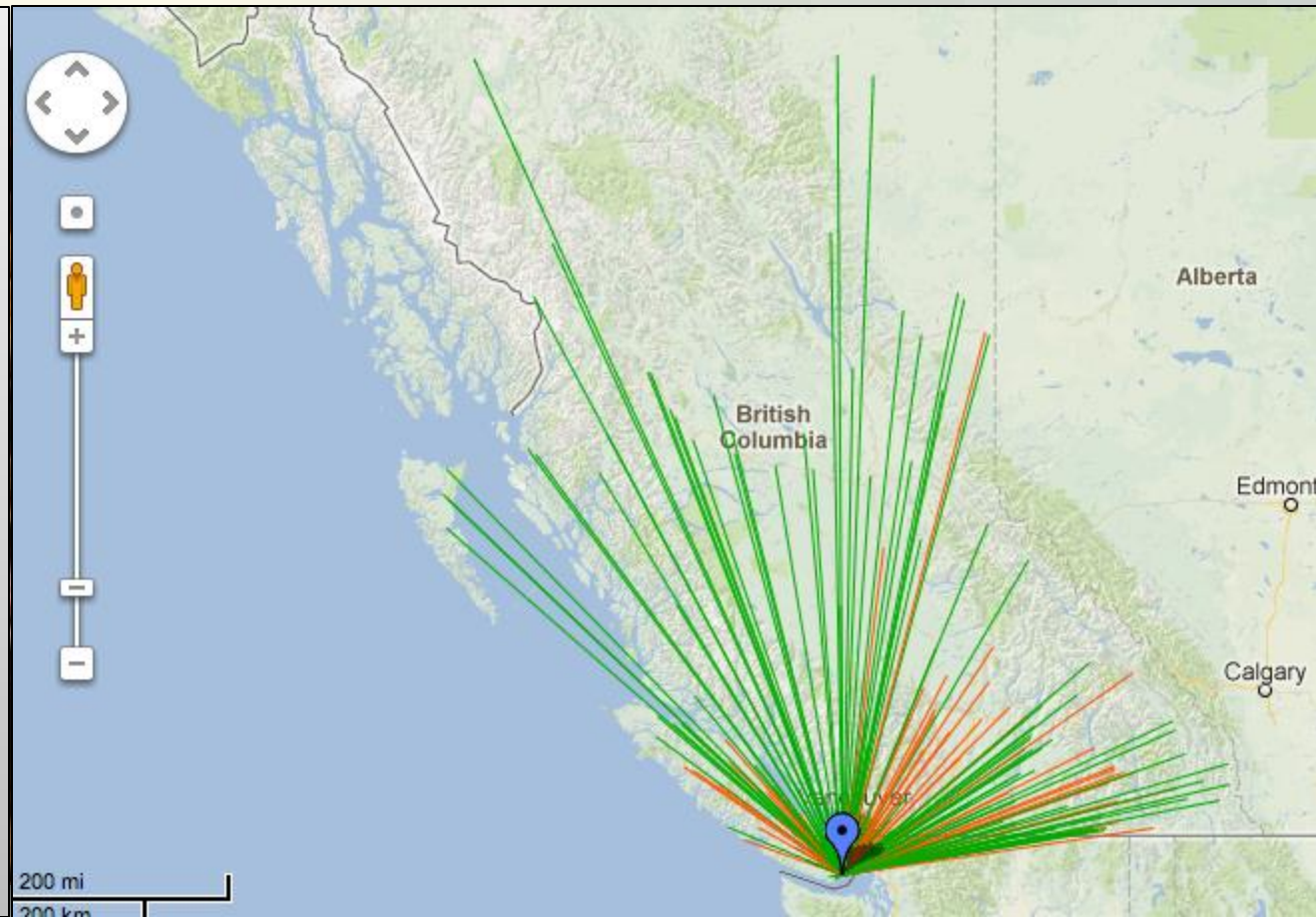
Log Transformer Description

Ready

NUM

GeoShare Success

- 164 conduits
- Weekly transmission
- > 1.49 million parcels over 153/189 jurisdictions
- > 1.17 million addresses over 141/189 jurisdictions

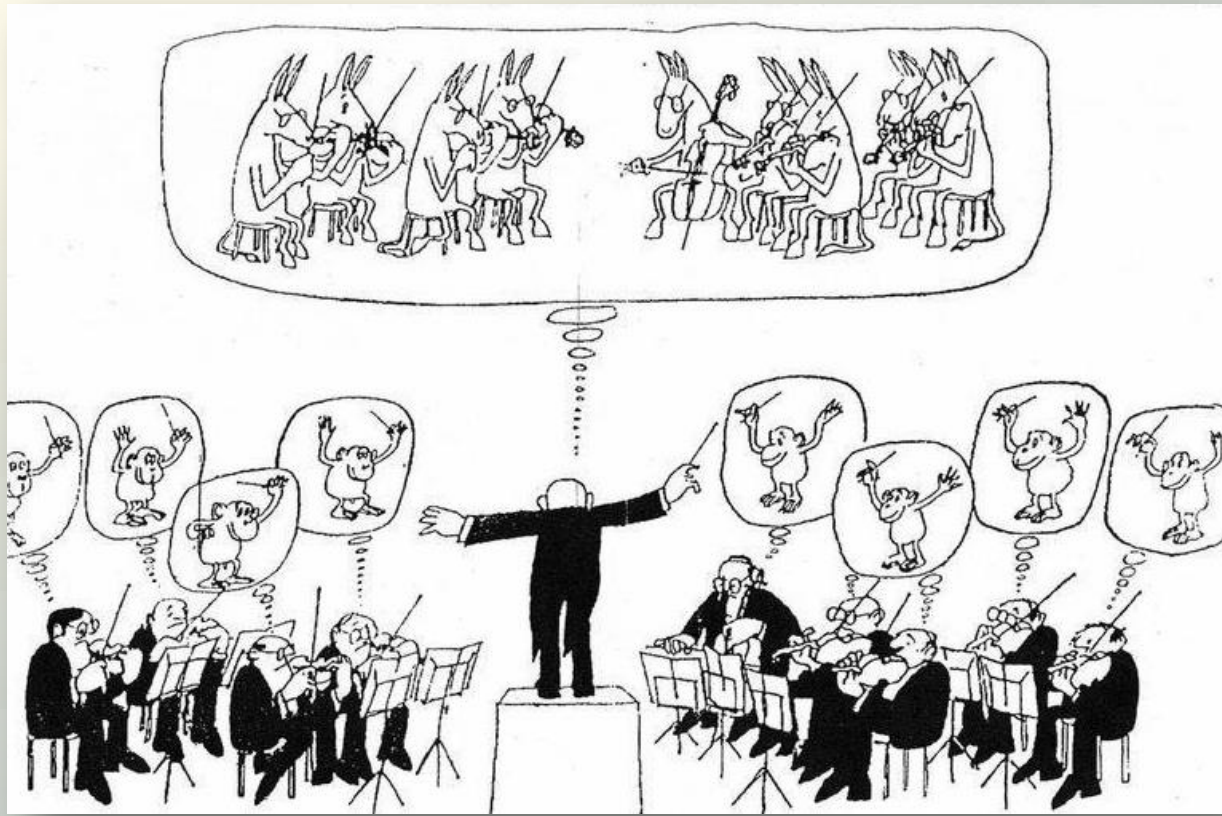


WHERE TO START

- 1 Ask our members
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"After an extensive search for a new conductor, the board decided that you guys will be better off being conducted by an app."





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