# spatial dimension AN MS GROUP BUSINESS



Toby Mills
Technical Director





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- Version 4.2 available March 2011
- Over 200 additions & improvements,
   almost 70 Bug Fixes since FlexiCadastre 4.0
- Approximately 150 requests for additions
   & improvements received in last year alone



- Focus on:
  - Configurability
  - Productivity
  - Integration with other systems
  - Stability
  - Performance



- Home Page Widgets
- FlexiCadastre Search
- Out of Office
- User Groups
- Relative Date Ranges
- Reports (New & Improved)
- Single Sign On
- Work Accounts
- Canadian Claim Renewal Wizard
- Map Enhancements
- SharePoint Document Integration
- Competitor Monitoring









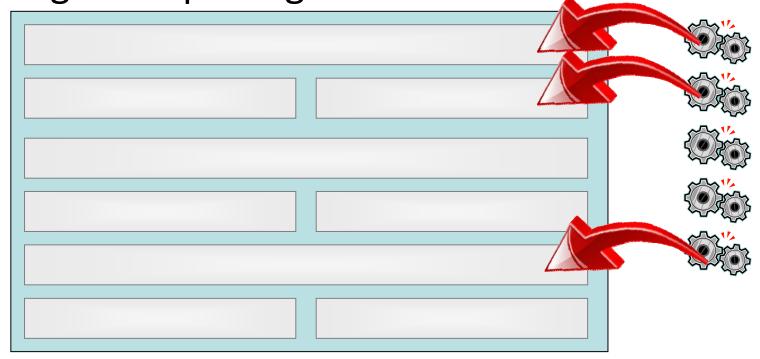
- Home Page is now customisable
- Each user can add, remove and rearrange 'Widgets' as needed
- A Widget is a small piece of User Interface





Home Page is divided into 'Zones'

Drag & Drop Widgets into 'Zones'





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FlexiCadastre 4.2 Preview

User:Toby Mills Version:4.1.2.09 (Beta)

Instance: FlexiCadastre 4.2 Preview

Search ###

Regions Locality

Work Report

Project Licenses

Actions

Approvals

Companies People

Agreements

Documents Maps

Reports

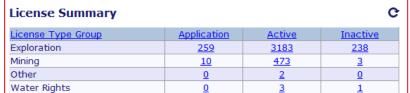
My Settings

Admin Tools

Help

Legal Logout

#### Home



Action Summary		
<u>Actions</u>	All Actions	My Actions
Overdue:	<u>255</u>	<u>3</u>
Due today:	<u>0</u>	<u>0</u>
Due this week:	<u>3</u>	<u>0</u>

My Searches	е
<u>Name</u>	Search Type
Big Joe Project	Group
<u>Dimension Mining Licenses</u>	License
License: EL F70301	License
<u>Licenses Expiring in the Next 6 Months</u>	License
NWT: Active Mineral Claims	License
Payments Due - Next 90 days	Action

Today's Notifications (All Notifications)







- Widgets are configurable
- Widgets include:
  - Recently Accessed Items
  - License Search
  - License Statistics
  - Action Statistics
  - My Searches
  - My Reports
  - Action Notifications
- More Widgets available in future versions





Work Report Project Licenses Actions Approvals Companies People

Agreements
Documents
Maps

Reports My Settings Admin Tools Help Legal Logout Instance: FlexiCadastre 4.2 Preview

#### Licenses Expiring in the Next 6 Months

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User:Toby Mills

Version: 4.1.2.09 (Beta)

1 <u>2</u> <u>3</u>	1 <u>234567</u>							
Мар	<u>Code</u>	<u>Name</u>	<u>Parties</u>	<u>Jurisdiction</u>	<u>Type</u>	<b>Expires</b>	<u>Comments</u>	Combined Reporting Group
<b>Q</b>	EL F72747	ART 32	Anglo American Diamonds Inc (100.00%)	Northwest Territories	MC	05/07/2011		
<b>Q</b>	EL F72797	ART 225	Anglo American Diamonds Inc (100.00%)	Northwest Territories	MC	05/07/2011		
<b>Q</b>	EL F72798	ART 226	Anglo American Diamonds Inc (100.00%)	Northwest Territories	MC	05/07/2011		
<b>Q</b>	EL F72810	ART 238	Anglo American Diamonds Inc (100.00%)	Northwest Territories	MC	05/07/2011		
<b>Q</b>	EL F72817	ART 245	Anglo American Diamonds Inc (100.00%)	Northwest Territories	MC	05/07/2011		
4 2 2	4567							

FlexiCadastre 4.2 Preview

1 <u>2 3 4 5 6 7</u>

Му	Reports
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Э Му	Searches
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<u>Name</u>	Report Type
Active Licenses - NWT Canada	License Search
Active Licenses - Western Australia	License Search
Licenses Expiring Next 30 days	License Search

<u>Name</u>	Search Type
Big Joe Project	Group
<u>Dimension Mining Licenses</u>	License
License: EL F70301	License
Licenses Expiring in the Next 6 Months	License
NWT: Active Mineral Claims	License
Payments Due - Next 90 days	Action

Today's Notifications (All Notifications)

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Home

#### Licenses Expiring in the Next 6 Months

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1234567

		<u>Name</u>	<u>Parties</u>	<u>Jurisdiction</u>	<u>Type</u>	<u>Expires</u>	<u>Comments</u>	Combined Reporting Group
6	EL F69006	MO 12	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011		
- 6	EL F69007	MO 13	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011		
4	EL F69011	MO 17	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011		
- 6	EL F69012	MO 18	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011		
4	EL F69015	MO 21	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011		

FlexiCadastre 4.2 Preview

1 <u>2 3 4 5 6 7</u>

#### Recently Accessed

There are 7 Search Results in the list.

<u> </u>		
<u>Type</u>	<u>Name</u>	<u>Description</u>
License	Big Joe Prospecting (PL-37342)	Western Australia, Prospecting, Active
License	Big Joe Mine (ML-34721)	Western Australia, Mining Lease, Active
License	Big Joe Exploration 2 (EL-00026)	Western Australia, Exploration, Active
License	Big Joe Exploration (EL-00016)	Western Australia, Exploration, Planned Application
License	MO 17 (EL F69011)	Northwest Territories, Mineral Claim, Active
1 2		

#### My Reports

<u>Name</u>	Report Type
Active Licenses - NWT Canada	License Search
Active Licenses - Western Australia	License Search
Licenses Expiring Next 30 days	License Search

#### My Searches

<u>Name</u>	Search Type
Big Joe Project	Group
<u>Dimension Mining Licenses</u>	License
License: EL F70301	License
<u>Licenses Expiring in the Next 6 Months</u>	License
NWT: Active Mineral Claims	License
Payments Due - Next 90 days	Action

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User:Toby Mills

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Version: 4.1.2.09 (Beta)

Instance: FlexiCadastre 4.2 Preview

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Home									d
Licenses Expiring in the Next 6 Months								c	
1 <u>2 3 4 5 6 7</u>									
Мар	<u>Code</u>	<u>Name</u>	<u>Parties</u>	Jurisdiction	<u>Type</u>	<b>Expires</b>	<u>Comments</u>	Combined Reporting Group	
<b>Q</b>	EL F69006	MO 12	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011			
<b>Q</b>	EL F69007	MO 13	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011			
<b>Q</b>	EL F69011	MO 17	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011			
	EL F69012	MO 18	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011			
<b>Q</b>	EL F69015	MO 21	Teck Cominco Inc (100.00%)	Northwest Territories	MC	19/04/2011			

Recently Accessed

FlexiCadastre 4.2 Preview

#### Recently Accessed

1 2 3 4 5 6 7

There are <b>7</b> Search Results in the list.						
1 <u>2</u>						
<u>Type</u>	Name Description					
License	Big Joe Prospecting (PL- 37342)	Western Australia, Prospecting, Active				
	Big Joe Mine (ML-34721)	Western Australia, Mining Lease, Active				
License	Big Joe Exploration 2 (EL- 00026)	Western Australia, Exploration, Active				
License	Big Joe Exploration (EL- 00016)	Western Australia, Exploration, Planned Application				
License	MO 17 (EL F69011)	Northwest Territories, Mineral Claim, Active				
1 <u>2</u>						

There are 6 Search Results in the list.							
1 <u>2</u>							
<u>Type</u>	<u>Name</u>	<u>Description</u>					
Agreement	Anglo Diamonds JV (JV/34/01022010)	Joint Venture Agreement (Farm-In), Active					
Agreement	Tarla People Regional Heritage Agreement 2009 (HA-TARLA-2009/02)	Native Title Heritage Agreement, Active					
_	CA Anglo BHP 081121	Confidentiality Agreement (Mutual), Active					
Agreement	CA Dimension Mining Kalgoorlie (CA-DIM- 09)	Confidentiality Agreement (Receiving), Active					
Agreement	RTDM CA (Acordo X25-992/08)	Confidentiality Agreement (Mutual), In Negotiation					

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Logout

My Reports	C
<u>Name</u>	Report Type
Active Licenses - NWT Canada	License Search
Active Licenses - Western Australia	License Search

My Searches	C
<u>Name</u>	Search Type
Big Joe Project	Group
Dimension Mining Licenses	License





User:Toby Mills

Version: 4.1.2.09 (Beta)

Instance: FlexiCadastre 4.2 Preview

# Home Page Widgets (Demo)









- Existing Search capabilities are very powerful
  - Licenses
  - Agreements
  - Groups
  - Actions
  - Approvals
  - Companies
  - People
- Each searched individually



- FlexiCadastre provides a free text search across all data types in the system.
- Single search returns matching results from:
  - Licenses
  - Agreements
  - Groups
  - Actions
  - Companies
  - People



#### **Licenses:**

'Big Joe 1'
'Big Joe 2'

Agreements:

'Big Joe JV'

"Joe"



**Projects:** 

'Big Joe'
'Big Joe Extension'

#### **Actions:**

'Rental Payments for Big Joe 1 & 2'

#### People:

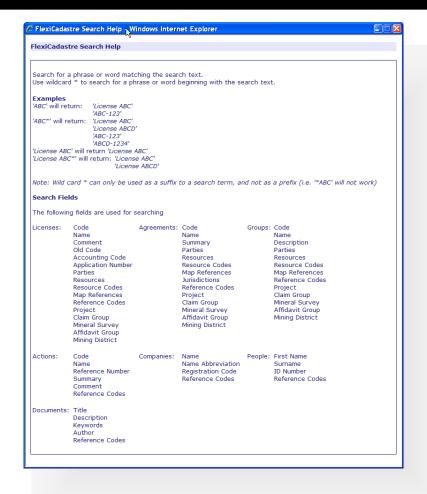
'Joe Macintosh'





# People: 'Joe Macintosh' Green River CA 11'











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# FlexiCadastre Search (Demo)

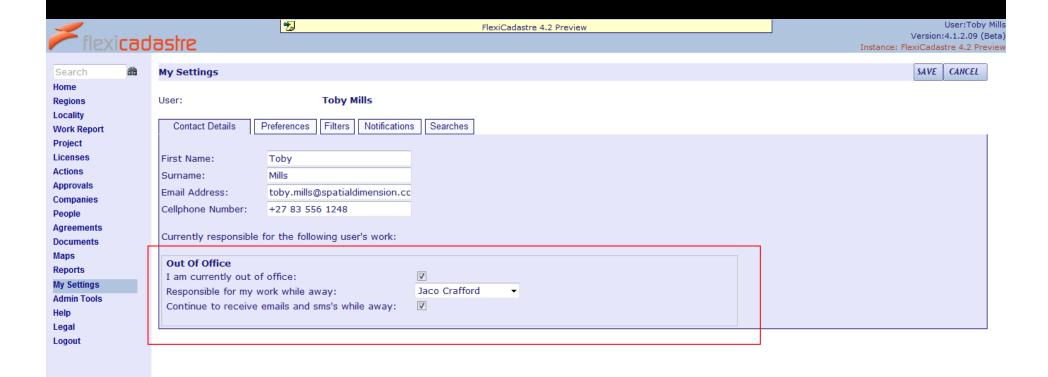








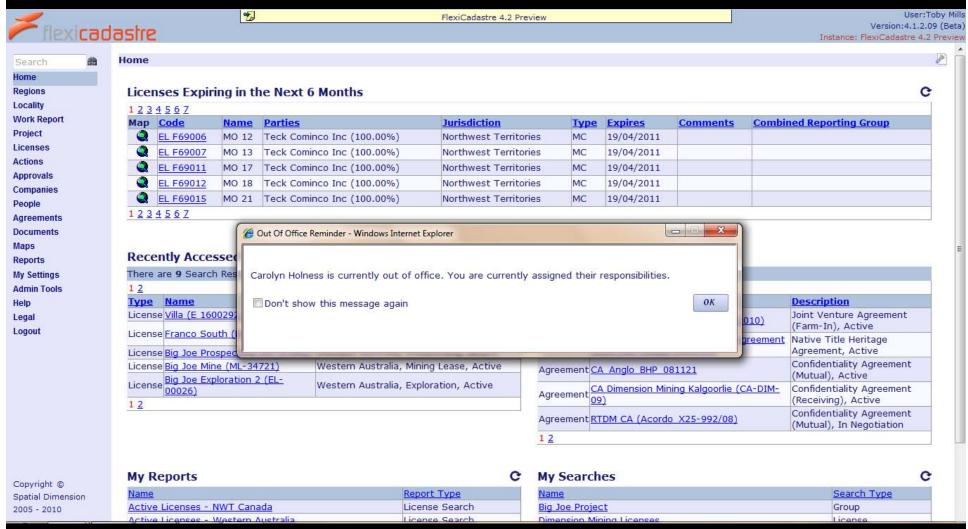
- When a user goes on vacation or is ill, somebody needs to take over their responsibilities
- Out Of Office allows another user to be assigned all responsibility immediately



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- Transfers Responsibility for:
  - Closing Actions
  - Making Approvals
- Transfers All Authorisation settings
- Allows Read Only access to:
  - Saved Searches
  - Reports
- All automated emails are re-routed
- Out of Office user optionally continues to receive emails.





- When closing Actions or Approvals, both Users are recorded
- Example: 'Closed by Jaco Crafford on behalf of Toby Mills'

		<b>%</b>	FlexiCadastre 4.2 Preview	K.C.		User:Toby Mills
flexicada	astre	No. 10.20				Version: 4.1.2.09 (Beta)
Search Home Regions Locality Work Report Project Licenses Actions Approvals	Payment Details Direction: Paid By: Paid To: Payment Period: Include Tax Information: General Items	Outgoing  From:	To:		Account: Account:	Instance: FlexiCadastre 4,2 Preview
Companies People Agreements Documents Maps Reports My Settings Admin Tools Help Legal Logout	Budgeted: Amount (excl tax) Tax: Total Amount: Currency: Actual: Amount (excl tax): Tax: Total Amount: Currency: Receipt No.:	Australian Dollar  GST   Australian Dollar  GST   Australian Dollar	108.99	Currency Conversion: Exchange Rate: Currency: Total Amount:	US Dollar	,198.89 USD
Copyright © Spatial Dimension	Comments:  Action Status	To be closed by Carol	lyn Holness (Tenure Officer)			*
2005 - 2010						

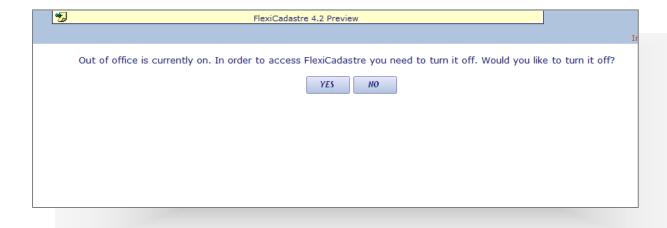


	<b>%</b> €	FlexiCadastre 4.2 Preview			User:Toby Mills
astre					Version: 4.1.2.09 (Beta) Instance: FlexiCadastre 4.2 Preview
Payment Details Direction: Paid By: Paid To: Payment Period: Include Tax Information:  General Items	Outgoing  From:	To:		Account: Account:	Instance: PlexiCadastre 4.2 Preview
Budgeted: Amount (excl tax) Tax: Total Amount: Currency: Actual: Amount (excl tax):	1,198.89 GST   Australian Dollar Copy from budget	108.99	Currency Conversion: Exchange Rate: Currency: Total Amount:	1,0000000 US Dollar 1,198.8	000000 Refresh
	Closed by Toby Timb	108.99			F
	Payment Details Direction: Paid By: Paid To: Payment Period: Include Tax Information:  General Items  Budgeted: Amount (excl tax) Tax: Total Amount: Currency: Actual: Amount (excl tax): Tax: Total Amount: Currency: Receipt No.:  Comments:	Payment Details Direction: Paid By: Paid To: Payment Period: Include Tax Information:  General Items  Budgeted: Amount (excl tax) Tax: Total Amount: Currency: Actual:  Amount (excl tax): Tax: Total Amount: Currency: Australian Dollar  Copy from budget  Amount (excl tax): Tax: Total Amount: Currency: Australian Dollar  Copy from budget  Australian Dollar  Copy from budget  Australian Dollar  Currency: Australian Dollar  Comments:  Comments:	Payment Details Direction: Paid By: Paid To: Payment Period: Include Tax Information:  General Items  Budgeted: Amount (excl tax) Tax: Total Amount: Currency: Actual:  Copy from budget  Amount (excl tax): Tax: GST	Payment Details Direction: Paid By: Paid To: Payment Period: Include Tax Information:  General Items  Budgeted: Amount (excl tax) Tax: GST	Payment Details Direction: Paid By: Paid To: Payment Period: Include Tax Information:  General Items  Budgeted: Amount (excl tax) Tax: Currency: Australian Dollar Total Amount: Action Status  Closed by Toby Mills on behalf of Carolyn Holness





When user returns, a single click to resume responsibility







# **User Groups**





## **User Groups**

- When several users have the same Authorisations and Responsibilities
- Create a User Group
- Assign required Authorisation & Responsibility to the User Group



## **User Groups**

- Example:
- Create a User Group 'South African Land Administrators'
- Add 8 users to the User Group
- Assign Edit permission for South African Licenses to the User Group
- All 8 users automatically have appropriate permission





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My Settings Admin Tools Help Legal Logout

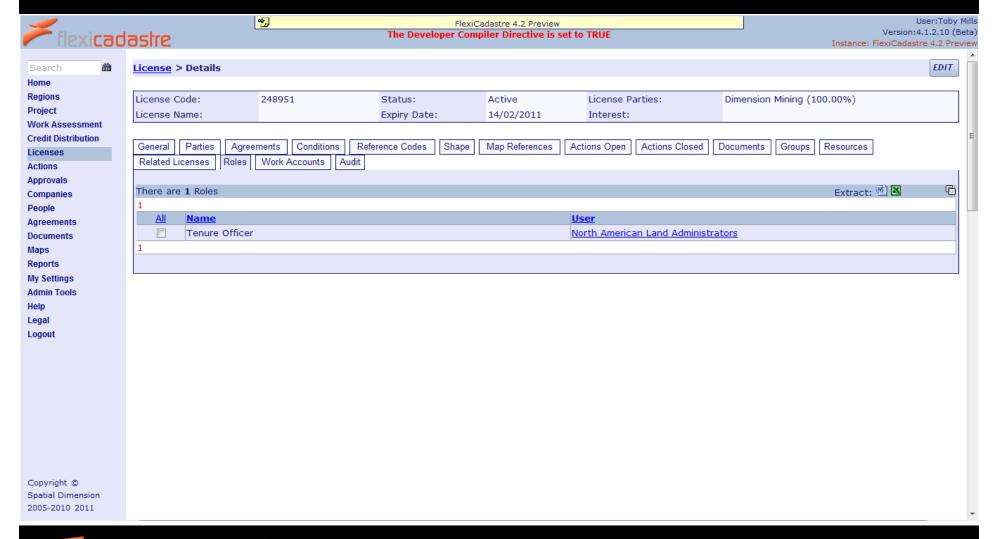




- Users can belong to multiple User Groups
- User permissions can still be edited individually to allow additional permissions to be granted

- Responsibility for closing Actions or Approvals can be assigned to a User Group
- Any User within the User Group can close the Action or Approval









		***************************************		FlexiCadastre 4.2 Preview				r:Toby Mills
flexicada	actro	A. Mariana	The Deve	loper Compiler Directive is set to	TRUE		Version:4.1.	
HEALLOU	03116		1,000,000,000				Instance: FlexiCadastre 4	.2 Preview
Search <b>m</b>	Action Approval	Documents Notification	n Reference Codes V	Vork Accounts Audit				^
Home								
Regions								
Project								
Work Assessment Credit Distribution	Due Date:	14/02/2011						
Licenses	Reference Number	re T						
Actions		775						
Approvals	<b>Work Commitme</b>	ent Details						
Companies	Reporting Period S	Start: 09/02/2011						
People	Reporting Period E							
Agreements	Available Excess V	2000 00						
Documents							-	
Maps	Item	Start Date	End Date	Unit/ Currency	Committed	Actual	Difference	
Reports								
My Settings	Cost	09/02/2011		CAD				
Admin Tools				CAD	6,400.00		-	
Help								=
Legal	TOTAL			CAD	6,400.00	)	-	1000
Logout			-	P. Carrier Co.				
		0						
								*
	Comments:							
	Commones							
								7
	Created By:		Ontario > Create Work (	COmmitment				
		_	Sittano > Create Work (	Communicité				
Copyright ©	Action Status	<b></b>						
Spatial Dimension 2005-2010 2011	Action States	To be close	ed by North American La	and Administrators (Tenure Office	er)			







- Relative Date Ranges are a powerful part of FlexiCadastre searching
- Example:
  - Search for Payments Due in the 'Next 90 Days'
  - Search for Licenses Expiring 'This Year'
- Always relative to TODAY



Over 20 Relative Date Ranges available

Next Month
Month After Next
To End of Next 3 Months
Next 6 Months
This Year
Last Year





- Most users only use a handful of options, specific to their needs
- Not all names are intuitive
  - 'Next Month' = 1 Mar 31 Mar
  - 'Next Month' = 10 Feb 09 Mar
- Sometimes a required option is not available
  - 'Next Financial Year'



- Relative Date Ranges are now configurable
  - Remove unused options
  - Add new options
  - Configure existing options





- 'This Calendar Year'
  - From 1 January to 31 December
- 'This Financial Year'
  - From 15 March to 14 March
- 'Before 1 September'
  - From The Beginning to the Next 1 September
- 'Next 15 Days'
  - From Today to Today + 15 Days





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FlexiCadastre 4.2 Preview

User:Toby Mills Version:4.1.2.09 (Beta)

Instance: FlexiCadastre 4.2 Preview

Search

Home Regions Locality

Work Report

Project Licenses

Actions

Approvals Companies

People Agreements

**Documents** 

Maps Reports

My Settings

Admin Tools Help

Legal Logout

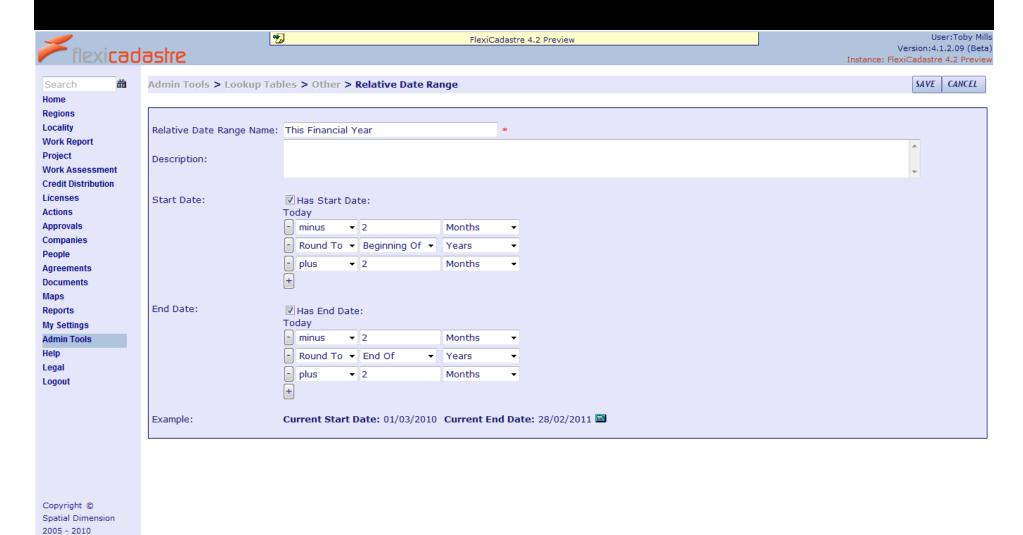
#### <u>Admin Tools</u> > <u>Lookup Tables</u> > <u>Other</u> > Relative Date Ranges

here a	are <b>16</b> Relative date ranges in	Extract:	Tools:		
Del.	<u>Name</u>	<u>Description</u>	Current Start Date	Current End Date	
36	In the Future	In the Future	07/02/2011		
36	In the Past	In the Past		06/02/2011	
×	Last Month	Last Month	01/01/2011	31/01/2011	
×	Last Week	Last Week	31/01/2011	06/02/2011	
30	Last Year	Last Year	01/01/2010	31/12/2010	
X	Next 30 Days	Next 30 Days	07/02/2011	08/03/2011	
X	Next 6 Months	Next 6 Months	07/02/2011	06/08/2011	
X	Next 60 Days	Next 60 Days	07/02/2011	07/04/2011	
X	Next 90 Days	Next 90 Days	07/02/2011	07/05/2011	
X	Next Week	Next Week	14/02/2011	20/02/2011	
X	Next Year	Next Year	01/01/2012	31/12/2012	
×	This Month	This Month	01/02/2011	28/02/2011	
30	This Week	This Week	07/02/2011	13/02/2011	
×	This Year	This Year	01/01/2011	31/12/2011	
30	Today	Today	07/02/2011	07/02/2011	
×	Yesterday	Yesterday	06/02/2011	06/02/2011	

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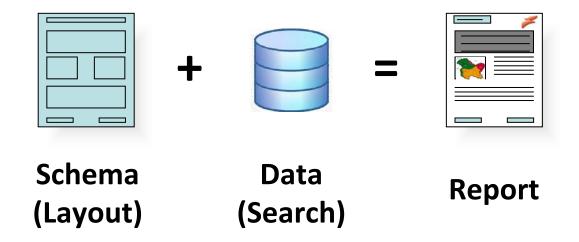


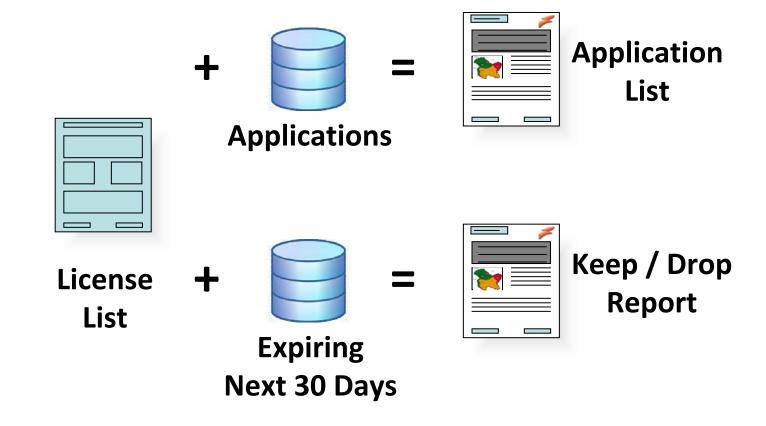












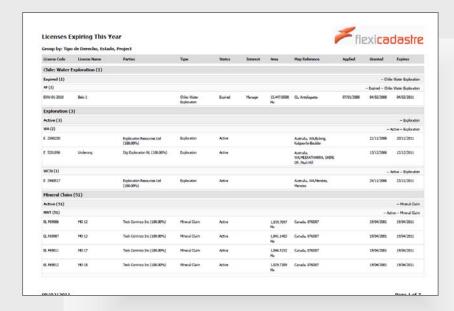


Updated look & feel of standard schemas



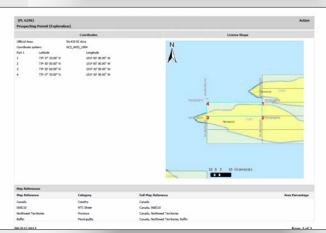


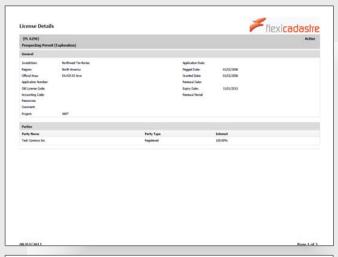












(PL 6296)	resit (Exploration)						Active
	Seem (Colleges)						
Indeed Docum	nds.						
Title		Reference	Code	Author	Descript	No.	
District and his	und Henry Regulation			1897 S Named Mores Dept.	MITAN	arund Draft Mining Regulations	
Rales							
Rafe		User					
Espiration Manag		38 White					
System Administra		Hile Europetres					
Torus Hanger		Rub Green					
Timure Officer		Bult Black					
Actions							
Group	Tope		-	Date Due Date	Completed	Consent	
Genetic	Connect			11/00/2009 01/00	1/2009		
Coul Action							
Action		Group	Date Das	Date Completed	Conwest		
Connect		Generic	01/08/2009	01/00/2009			



#### Many Standard Schemas available

**Action Detail** 

**Action List** 

**Agreement Detail** 

**Agreement List** 

**Approval List** 

**Audit Report** 

**Company Detail** 

**Company List** 

**Competitor Monitoring:** 

**Change Report** 

**Expiry Report** 

**Group List** 

**License Contacts** 

**License Detail** 

**License List** 

**License Payments** 

**License Reference Codes** 

**Person Detail** 

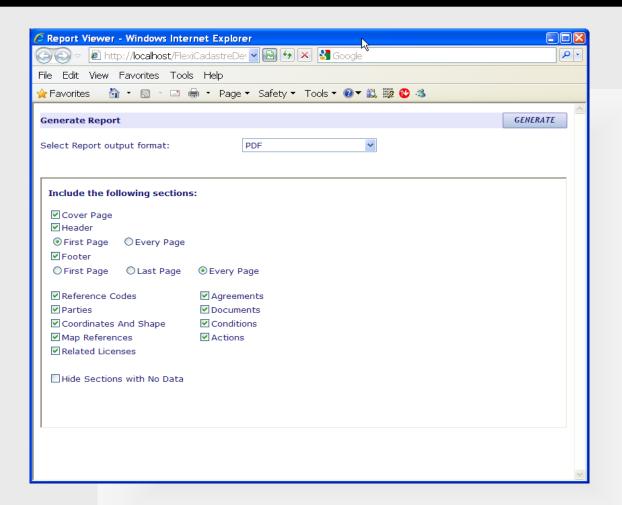
**Person List** 

**User Detail** 



- Highly configurable
- Options specific to Schemas
- E.g.
  - Cover Page
  - Header & Footer
  - Title
  - Grouping (up to 3 levels)
  - Totals
  - Etc.

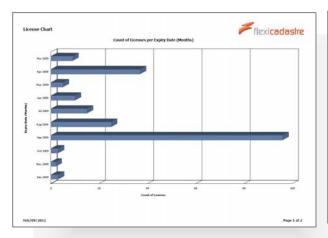


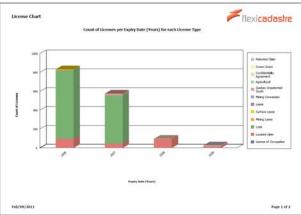


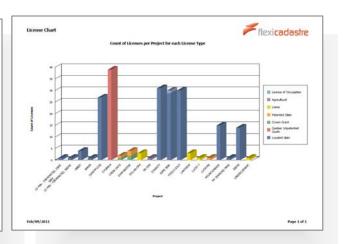


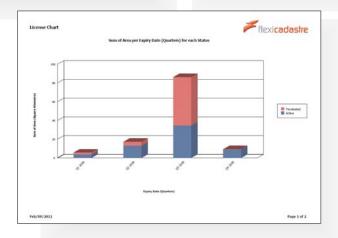
- New Schemas coming soon in Beta:
  - Charts & Statistics
- Example:
  - Number of Licenses Granted per Year
  - Total Area of land Applied for per Quarter
  - Number of Active Licenses per Type, per Province

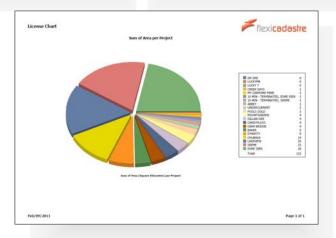














- In addition to Standard Schemas, FlexiCadastre supports:
- Custom Schemas
  - Client Specific
  - Jurisdiction Specific
- Microsoft Word Templates
  - Mail Merge style reporting



# Single Sign On





### Single Sign On

- Ability to use FlexiCadastre without needing to Log In
- Logs in automatically with current Windows User account
- Can still log out and log in with different credentials
- Works with Mixed-Mode Authentication







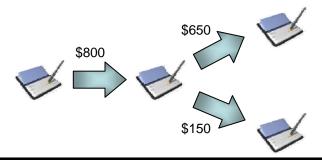
- Many Jurisdictions require work to be performed in order to retain a license
- Often able to 'store' excess work to be reused later
- Work can often be 'distributed' to other licenses



Work Accounts allow tracking of:



- Work Declaration
- Work Accumulation
- Work Distribution
- Transactions allow a full audit trail





- Each Work Account:
  - Belongs to one object
    - License
    - Agreement
    - Group
    - Action
    - Person
    - Company



#### Each Work Account:

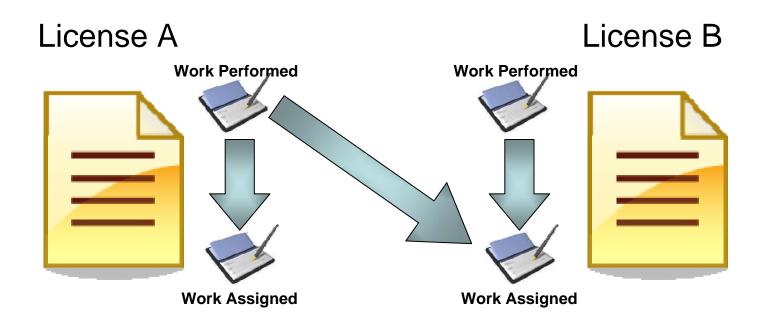
- Has a Type
- **Work Performed**
- Work Declared
- **Work Assigned**
- Work Banked
- Work Distributed Etc.

- Each Work Account:
  - Has a Status
    - Planned
    - Submitted
    - Approved
    - Etc.

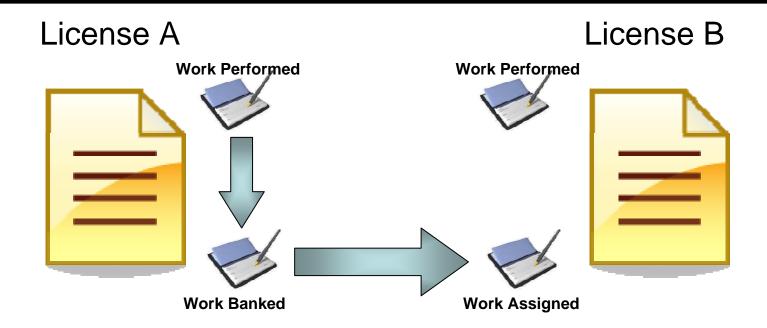


- Work moves between Accounts in Transactions
- Each Transactions has:
  - Date
  - Amount
  - Status
    - Planned
    - Submitted
    - Approved
    - Etc.



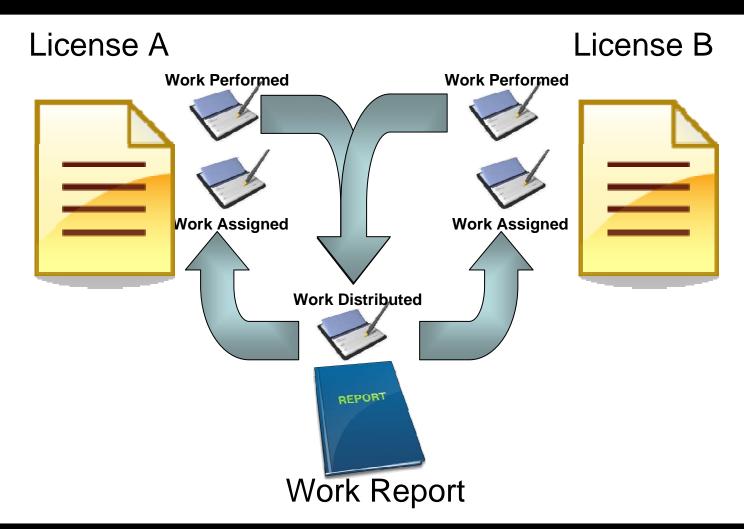








### **Work Accounts**





#### **Work Accounts**



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#### **Work Accounts**







# Work Accounts (Demo)









- Jurisdiction Specific Custom Extension
- Automates the process of renewing Unpatented Claims in Canada
- Currently supports Ontario (Quebec In Beta 4.3.0)
- Builds on Work Accounts to track:
  - Work Performed
  - Work Filed
  - Work Assigned
  - Work Banked
  - Work Distributed
- Allows for easy generation of Government Forms for renewal



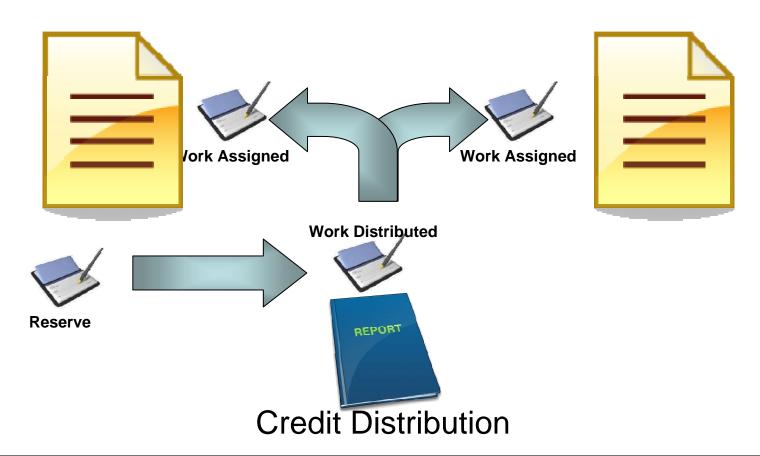


# **Upatented Claim A Unpatented Claim B Work Performed Work Performed** Work Assigned Work Assigned **Work Distributed** Reserve REPORT Work Report



**Upatented Claim A** 

**Unpatented Claim B** 





- Credit may only be distributed where:
  - Claims are contiguous (directly or indirectly)

10453	10454	10455	10457

- And have been since work was registered
- Claim Owner has had beneficial interest in all claims since work was registered



- Work registered more than 2 years after performed – discounted 50%
- More than 5 years invalid
- Maximum work distributed from a claim: \$24000 per Unit (1 Unit = 16Ha) up to a maximum of \$96 000
- Claims may be renewed as far as 6 years in advance
- Partial work assignment is allowed





Bottom Line: It's Complicated!



- FlexiCadastre Canadian Claim Renewal Wizard Automates the process
- Geologists upload details of work performed on a spreadsheet
- Land Administrator identifies Claims to be renewed.
- Wizard identifies available work (both unfiled and in reserve) and suggests best option for distribution.
- Wizard automatically generates relevant government forms
- Wizard closes & schedules Actions and updates Claim details



 Configurable to make use of existing License Types, Action Types etc.

Bottom Line: It's Easy!





**Client Custom Extension** 

**Jurisdiction Custom Extension** 







# Canadian Claim Renewal Wizard (Demo)



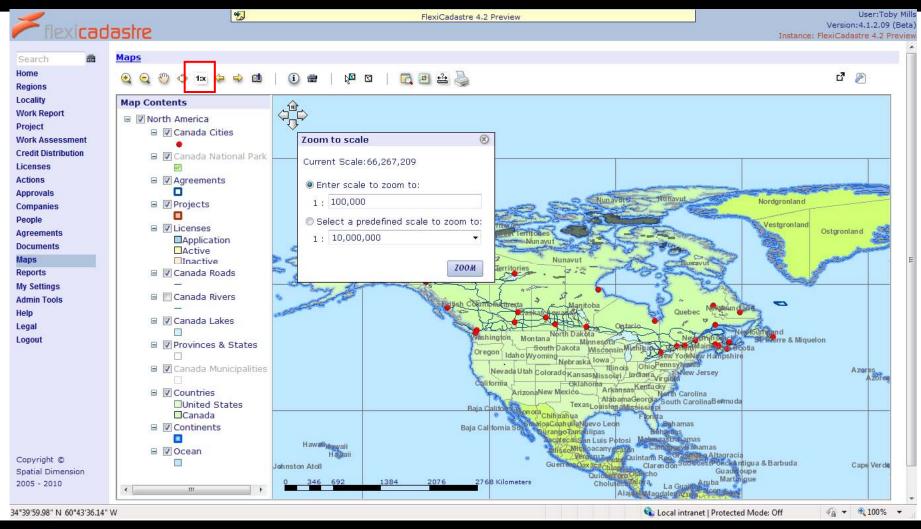






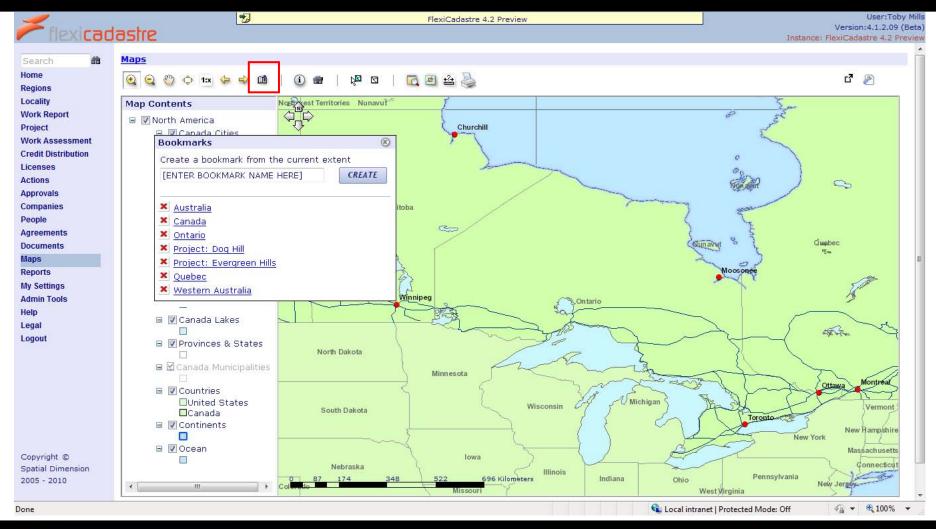
- Zoom To Scale
- Bookmarks
- Magnifying Glass
- Overview Map
- Measure Tool
- Map Tips
- Fit Map to Window





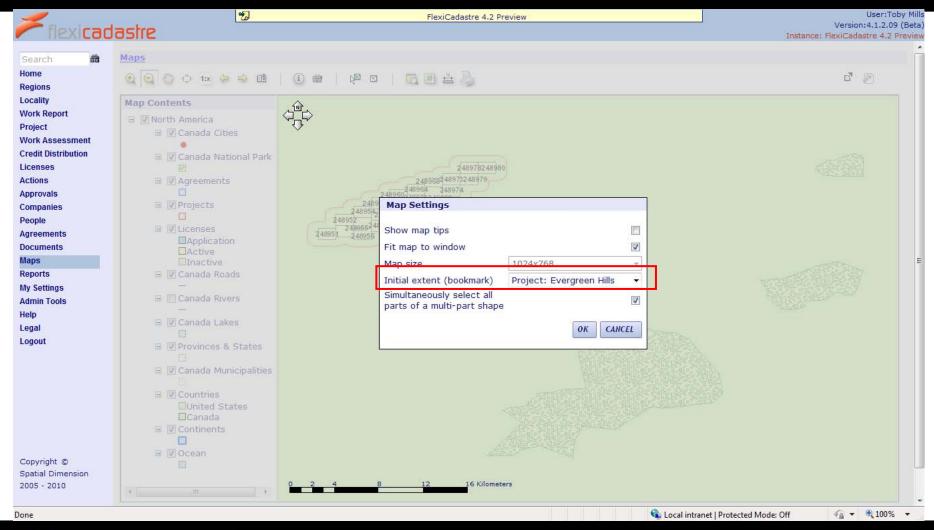






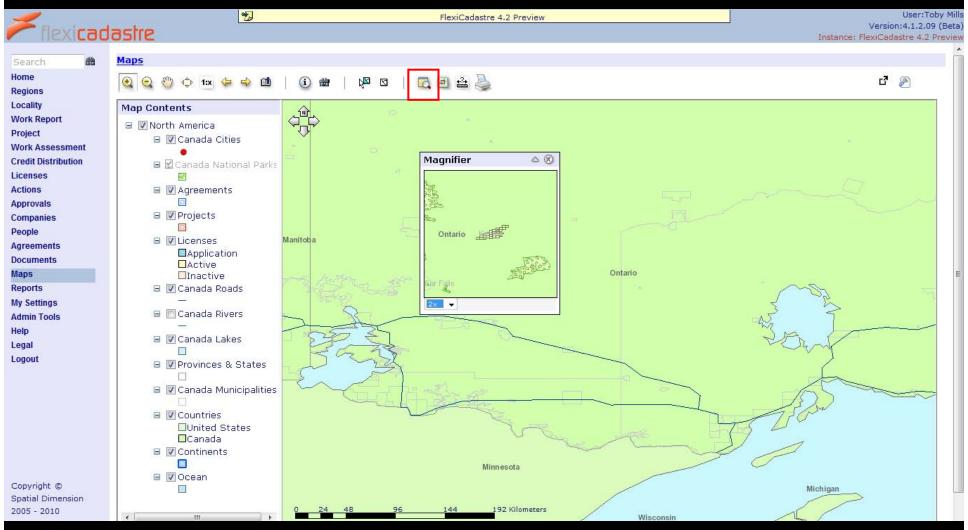






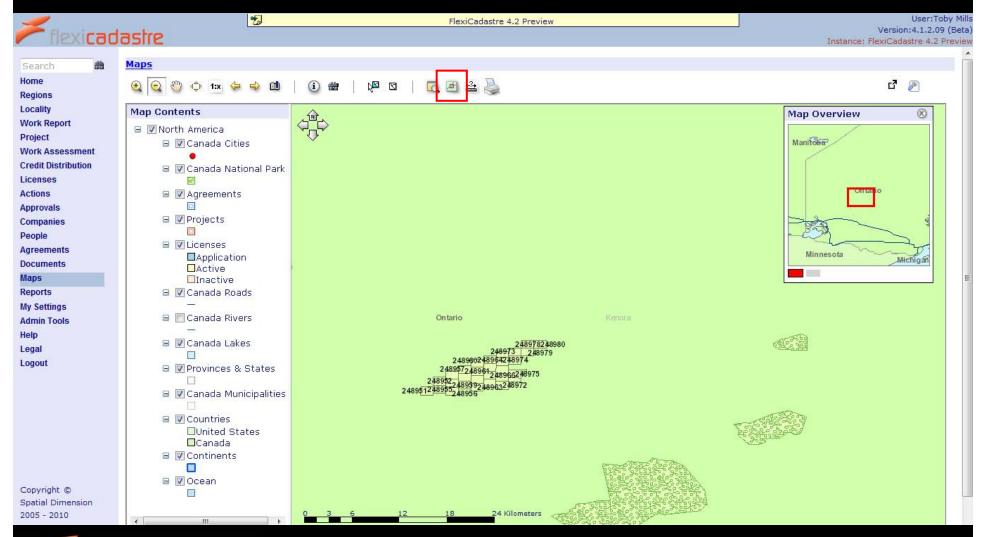




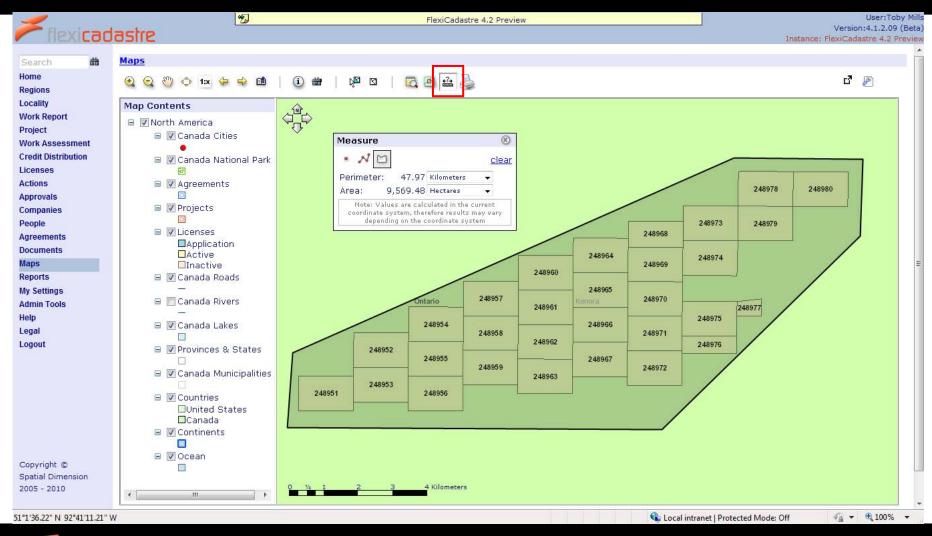






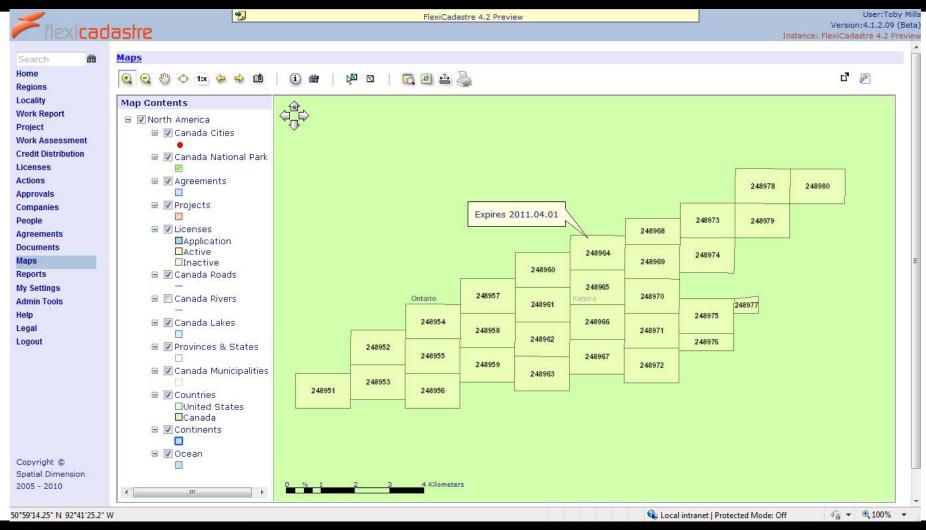






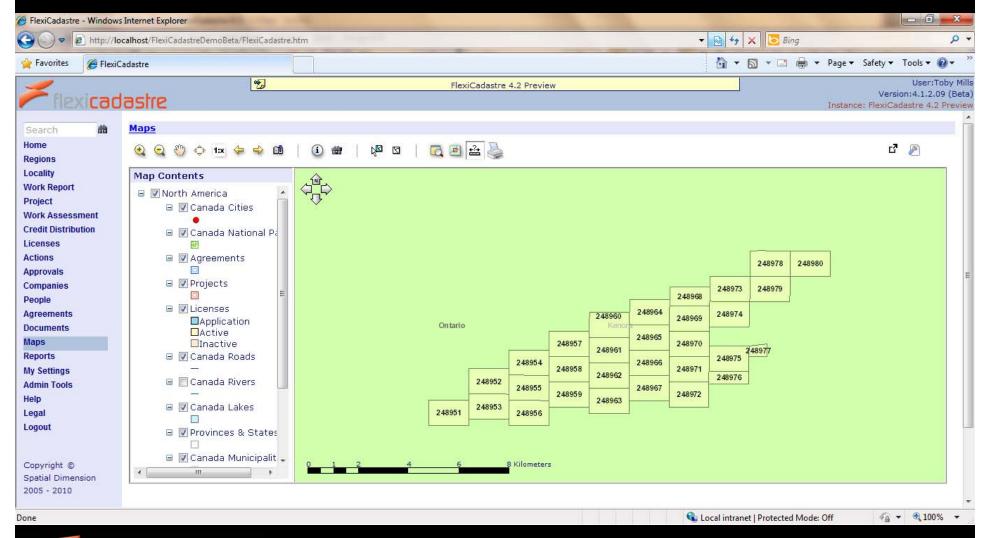
















# **SharePoint Document Integration**





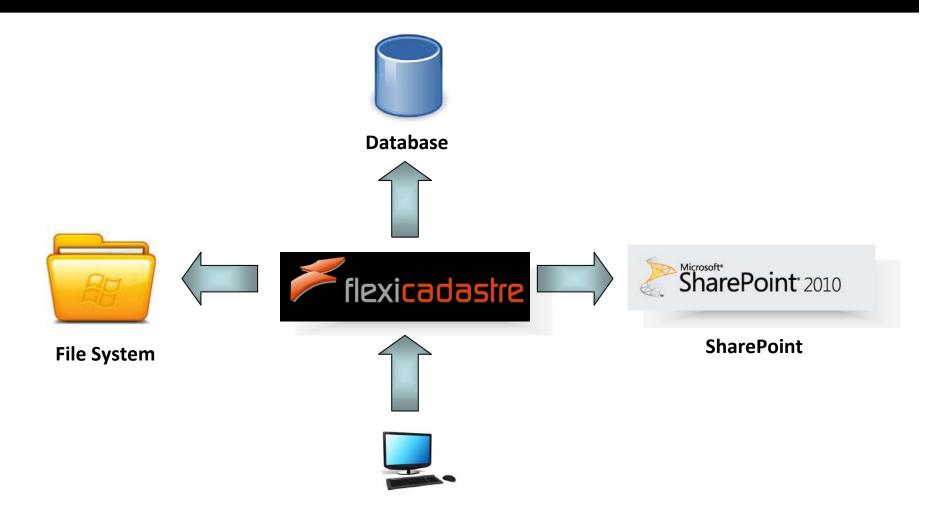
- Document Plugin Framework now defines 'Repositories'
  - File System
  - Database
  - URL
- New Repository
  - SharePoint





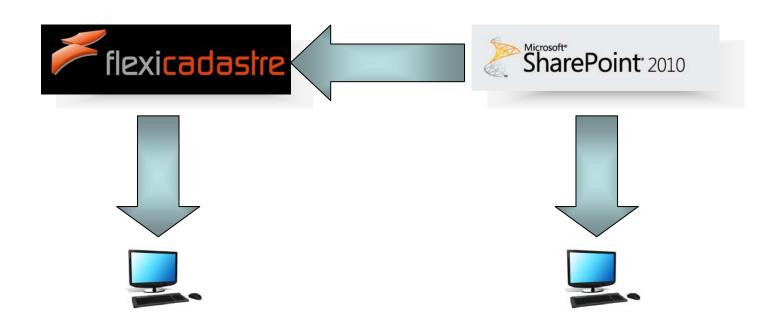
- Microsoft SharePoint includes Document Management
- FlexiCadastre is able to read and write to the SharePoint document repository







Documents can be viewed through FlexiCadastre or directly through SharePoint





# **SharePoint Document Integration**

 Document Plugin Framework allows easy development of new plugins for other Document Management Systems



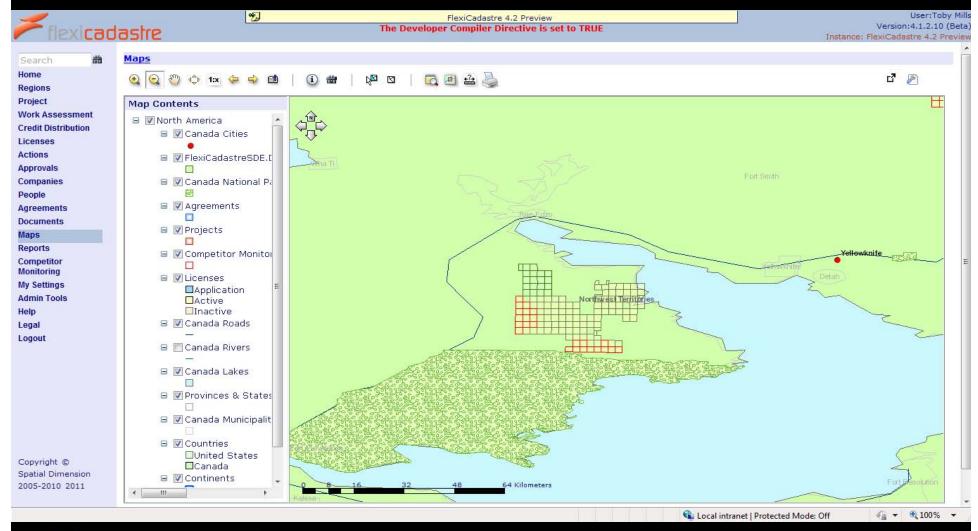


- Monitoring activity in areas of interest
  - Land being taken up
  - Land being relinquished
  - Land being renewed
  - Land coming up for expiry



- Register a Dataset for each Jurisdiction / Area of interest
- Upload snapshots of data on a regular basis
- FlexiCadastre analyses each subsequent snapshot and reports the differences
- Maps automatically updated to reflect latest activity
- Reports automatically generated detailing changes









# Competitor Monitoring (Demo)



