



Phoenix: a Web-Based Collaboration Tool

<http://decisiontools.ca>



www.nrcan.gc.ca

Presented by: Denis Giroux (dgiroux@nrcan.gc.ca)
Geological Survey of Canada / Natural Resources Canada



Natural Resources
Canada

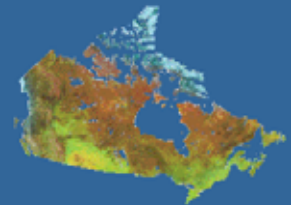
Ressources naturelles
Canada

Canada

What is Phoenix ?



- Phoenix is a web-based software platform that offers an integrated set of collaboration and document management tools
- Enhances productivity and streamlines the decision making process in a distributed workgroup environment.
- Provides powerful tools to visualize, share and publish geographic information through interactive maps.






Natural Resources Canada

www.nrcan.gc.ca

Français
Home
Contact Us
Help
Search
canada.gc.ca

[Phoenix RRNH](#)

- Search**
- Workspaces**
- Collections**
 - Documents
 - Maps
 - Layers
 - Scenarios
- Collaboration**
 - Announcements
 - Chat Rooms
 - Contacts
 - Discussions
 - Emails
 - Events
 - Links
 - Polls
 - Surveys
 - Tasks
 - Weblogs
- News**
- Publish**
 - Published Assets
 - RSS Syndication
- Administration**
- Users Online**
 -  dgiroux

Logged in as dgiroux [Administrator] [Logout](#) 

My Workspaces Phoenix RRNH

[Customize](#) | [Add Content](#) | [Reset](#)

Welcome to RRNH Phoenix

Phoenix helps you collaborate with your colleagues and create and share collections of data in a workspace. A workspace is your personal organizer. It helps you make better decisions by providing all the information you need in one place. Each workspace holds the files you need, your appointments, contacts, tasks and daily news. You use the workspace to share documents and maps and to collaborate with your colleagues through email, discussion boards, polls, surveys and blogs.








[Recent Canadian Earthquakes Map](#)

Phoenix is brought to you by the public servants at [Natural Resources Canada](#) as part of the Reducing Risk from Natural Hazards, National Groundwater and [MAP:GAC](#) projects.

You will need to login (or register with us) in order to use this system.

Featured Workspaces

-  [Couture - Landslides](#)
-  [Eastern Canada Geohazards Assessment \(R-03\)](#)
-  [Geohazards Awareness \(R-06\)](#)
-  [Phoenix RRNH](#)
-  [PW-ADF](#)
-  [Risk Assessment Methods \(R-05\)](#)
-  [RRNH Program Management \(R-01\)](#)
-  [Space Weather Hazards Assessment \(R-04\)](#)
-  [Western Canada Geohazards Assessment \(R-02\)](#)

[Add New Workspace](#) | [See all 9 Workspaces](#)

Polls

There are no polls to display

Announcements

[Presentation to Corporate Management Sector](#)
Presentation of Pheonix to Corporate Management Sector
January 18, 2008

Picture of the Day

There are no pictures to display

Services

No content available.

Tasks

There are no tasks to display

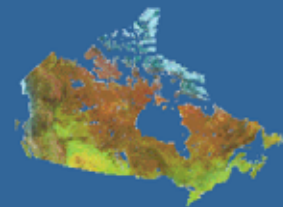
News

[EarthquakesCanada main index - Canada](#)

- [Breaking News](#)
- [2008-07-14: M=5.0 - 29 km NW of Wrigley](#)
- [2008-06-11: M=3.2 5 km NE of Buckingham](#)
- [2008-06-01: M=3.6 - northwest of Vancouver Island](#)
- [2008-05-30: M=4.1 - northwest of Vancouver Island](#)
- [2008-05-29: M=2.1 - near Penticton](#)

31 minutes ago

Technology Evolution



Cordlink Geo-Library



Georgia Basin Digital Library



GeoSemantica



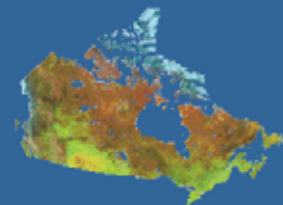
Phoenix

Digital Library

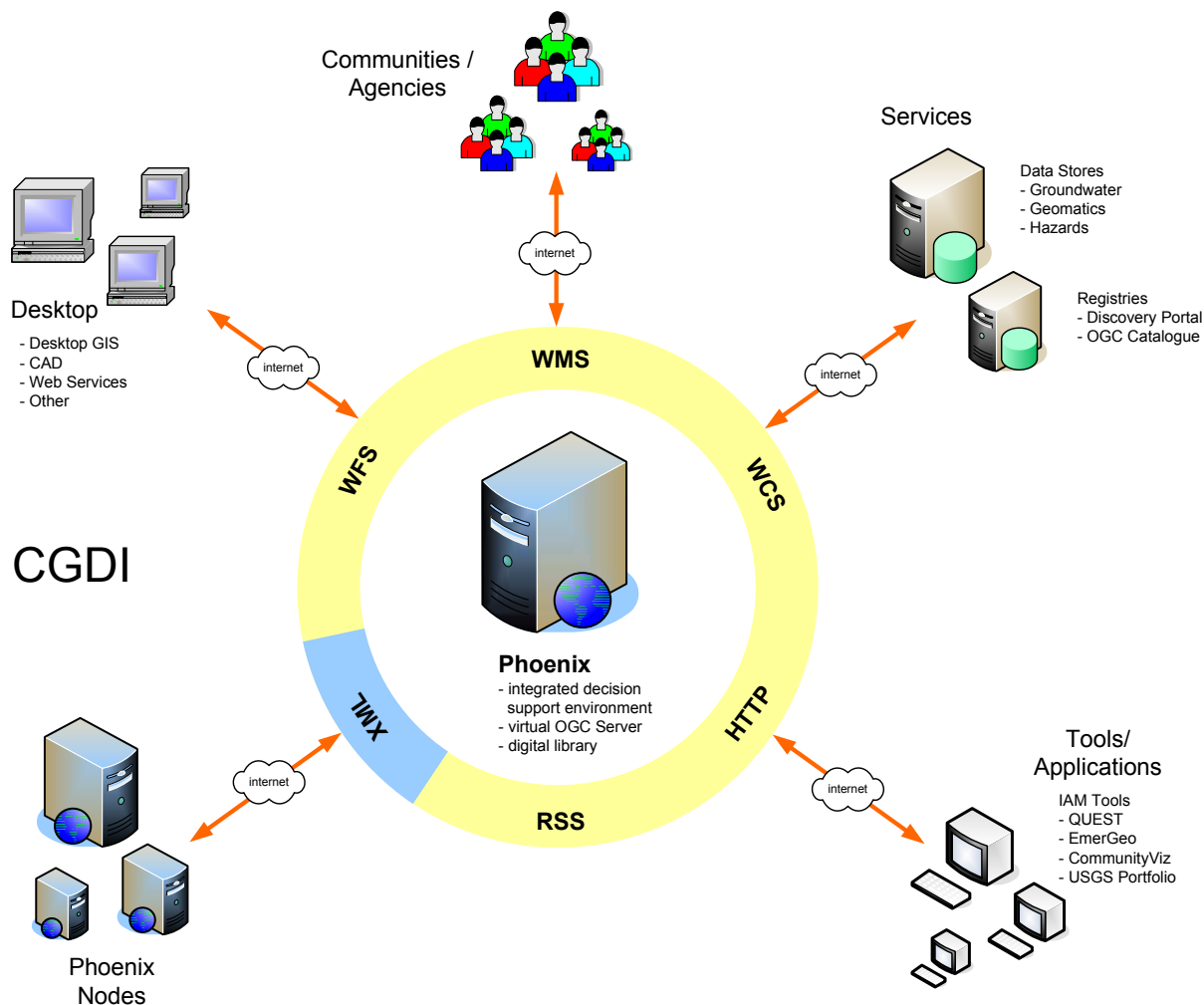


Decision Support

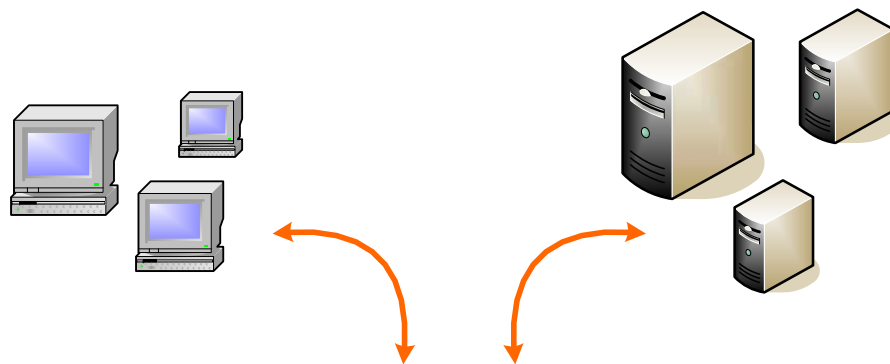
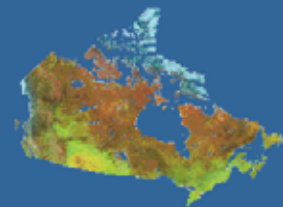
Phoenix Overview



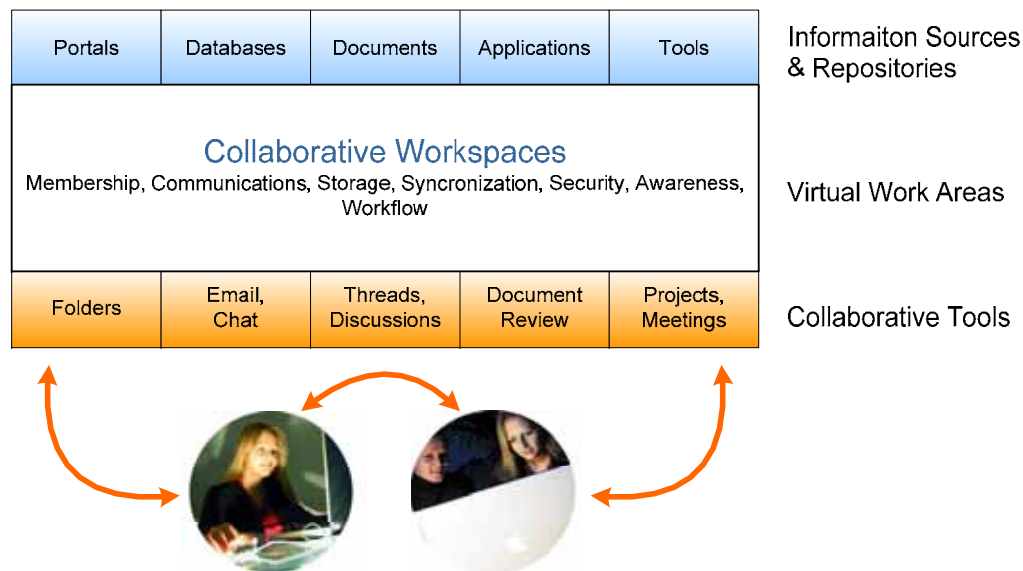
- ✓ Interoperable
- ✓ Open standards
- ✓ Compatibility with CGDI
- ✓ Web based



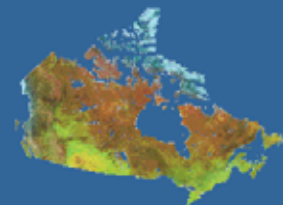
Phoenix – Workspaces



- ✓ Configurable
- ✓ Secure
- ✓ User managed
- ✓ Role based security
- ✓ Auto-notification
- ✓ Full text searching



Phoenix Technology



- Built on existing information technologies and standards:
 - Canadian Geospatial Data Infrastructure (CGDI)
 - Canadian Geoscience Knowledge Network (CGKN)
 - Open GIS consortia (OGC)
 - Metadata (FGDC/ISO)
 - Web (W3C)
- ✓ Standards based!

8

- Natural Resources Canada
Ressources naturelles Canada

Natural Resources Canada
www.nrcan.gc.ca

Français Home Contact Us Help Search canada.gc.ca

Logged in as dgroux [Administrator] Logout

My Workspaces Phone FFRH

Map Explorer : "World Map"

Save Map Download Back



2500 5000 7500 10000 12500 km

 - Lakes
 - ☒ Lake
 - Country Names
 - Country Capital City Names
 - Country Capital Cities
 - Capital city
 - Countries
 - Canada
 - United States of America
 - Denmark
 - Iceland
 - United Kingdom
 - Norway
 - Sweden
 - Finland

N145.25 W -101.695 E 146.34 E 102.975

Abstract Layers

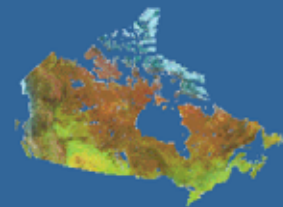
Last update 2008-08-05

Tap of Page Important Notice

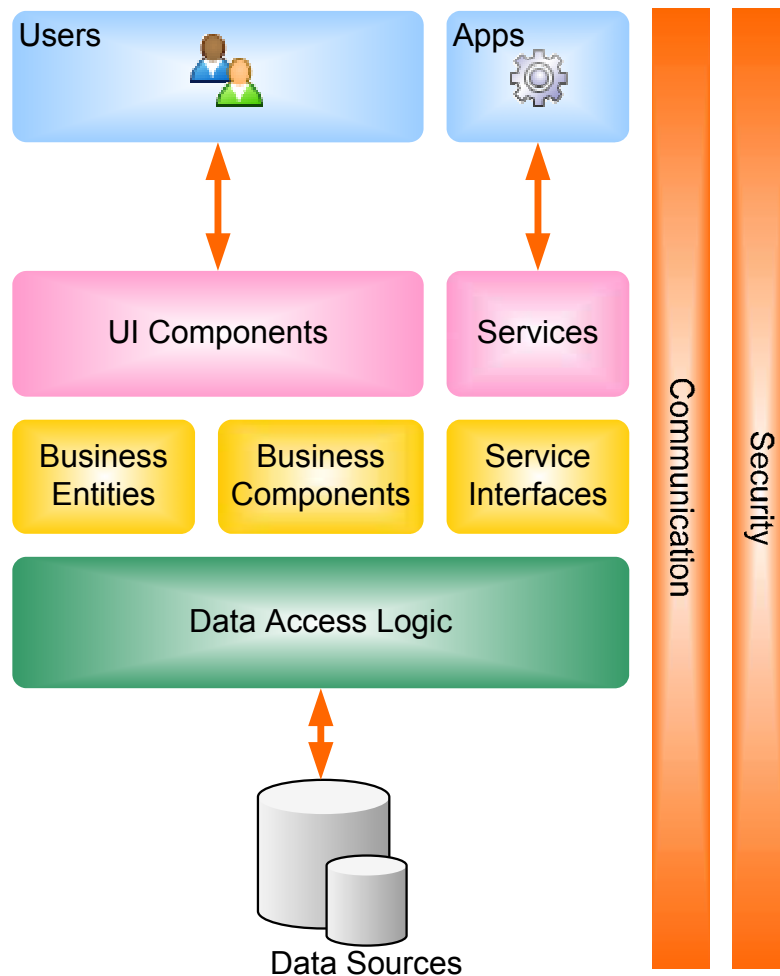


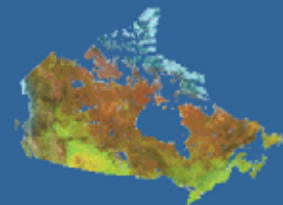
- Canada

Under the Hood



- N-tier Architecture
 - Scalability
 - Maintainability
 - Performance
 - Security
- Microsoft Platform
 - C# ASP.NET
 - MS SQL Server
 - Windows Server

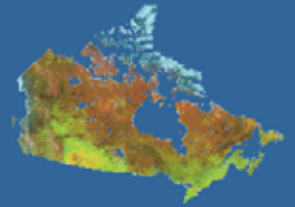




- Microsoft Platform
 - C# ASP.NET
 - Ease of deployment
 - Rapid application development
 - Excellent performance
 - MS SQL Server
 - Ease of deployment
 - Popular
 - Excellent performance
 - Windows & IIS

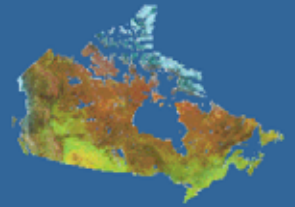


Some Phoenix facts



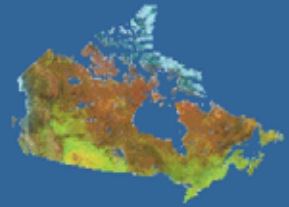
- Current version is 2.85 (as of July 2008).
- Application has been developed by the Geological Survey of Canada with some CIDA (*Canadian International Development Agency*) fundings.
- Complete Helpfiles in English and French in a Wiki environment.

Usage of Phoenix



- Phoenix is web-based → could help collaborate effectively despite geographic distribution.
- You could use this tool as a safe repository for all data, articles, maps, reports, geo-spatial data, etc.
- Appearance can be customized by modifying cascading style sheet (CSS).
- Currently uses SQL Server to store databases → server must be maintained, secure, and regularly backed up.

Phoenix

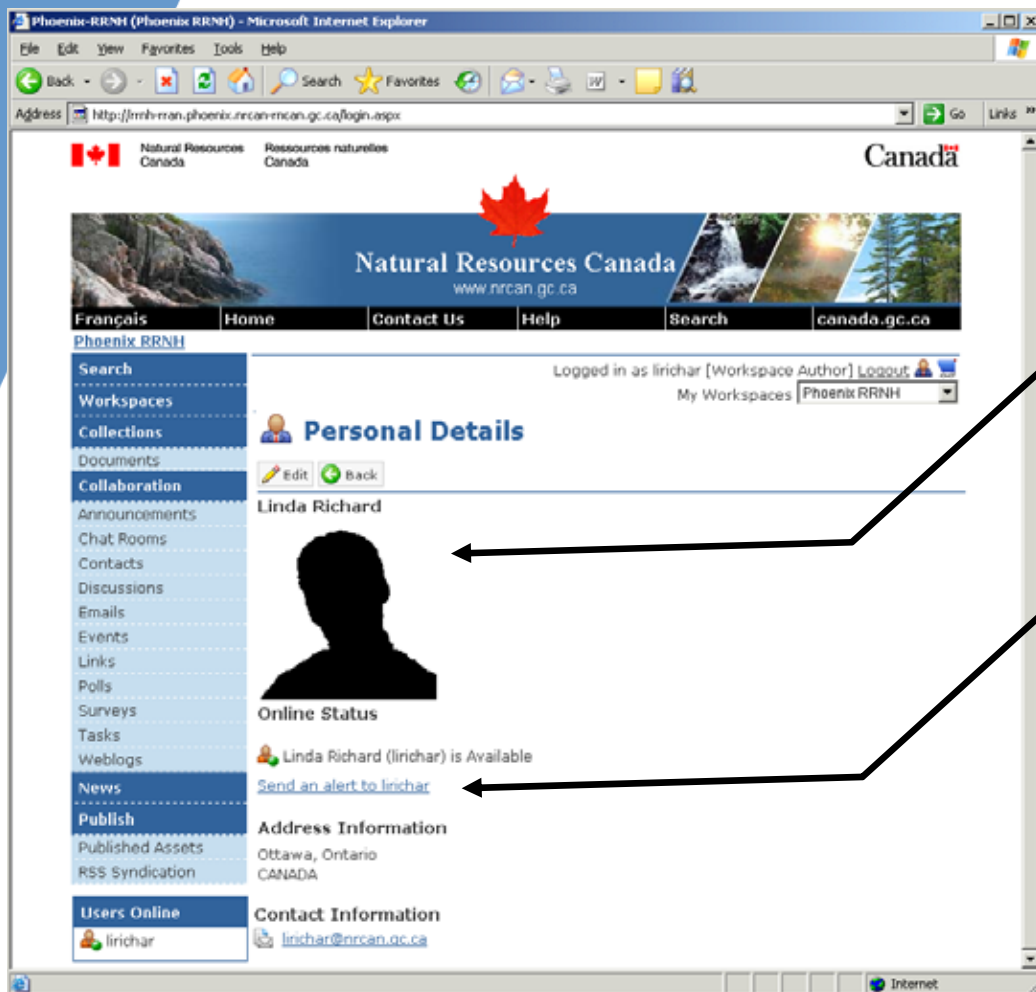
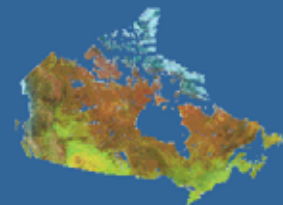


It can be setup as a secure workspace with restricted access.

Individual Login.
(Secure username and password)

Displays a list of users currently online.

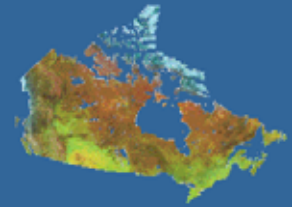
Phoenix



Personal information can be entered, even a picture.

You can contact a user by sending an alert.

Phoenix



Phoenix-RRNH (Phoenix RRNH) - Microsoft Internet Explorer

Address: http://lrmh-ran.phoenix.nrcan-mcan.gc.ca/login.aspx

Natural Resources Canada / Ressources naturelles Canada

Canada

Natural Resources Canada
www.nrcan.gc.ca

Franglais | Home | Contact Us | Help | Search | canada.gc.ca

Phoenix RRNH > Risk Assessment Methods

Search
Workspaces
Collections
Documents
Collaboration
Announcements
Chat Rooms
Contacts
Discussions
Emails
Events
Links
Polls
Surveys
Tasks
Weblogs
News
Publish
Published Assets
RSS Syndication
Users Online
linchar

Logged in as linchar [Not Approved] Logout
My Workspaces: Select Workspace

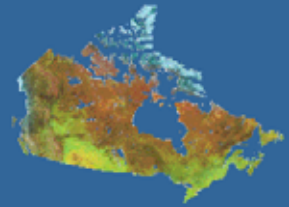
Contacts

View: List

Icon	Name	Email
	Dan Beaulac	dbeaulac@nrcan.gc.ca
	Richard Bernknopf	rbern@usgs.gov
	Peter Bobrowsky	pbobrows@nrcan.gc.ca
	Chang-Jo Chung	chung@nrcan.gc.ca
	Dominique Gauvreau	dgauvreau@nrcan.gc.ca
	Denis Giroux	dgiroux@nrcan.gc.ca
	Roger Helliwell	rhelliwe@nrcan.gc.ca
	Murray Journeay	mjournea@nrcan.gc.ca
	Otto Krauth	okrauth@nrcan.gc.ca
	Test One	dgauvreau@hotmail.com

Page 1 of 2

List of members is easy to manage via the interface.



Ressources naturelles Canada / Natural Resources Canada

Canada

[English](#) | [Accueil](#) | [Contactez-nous](#) | [Aide](#) | [Recherche](#) | [canada.gc.ca](#)

Phoenix RRAN

[Recherche](#) | [Espaces de travail](#) | [Collections](#) | [Collaboration](#) | [Nouvelles](#) | [Publications](#) | [Administration](#) | [En ligne](#)

Usager courant: dgroux [Administrateur] [Fermer la session](#)

Mes espaces de travail: [Phoenix RRAN](#)

[Configurer](#) | [Ajoutez du contenu](#) | [Réinitialiser](#)

Bienvenue sur Phoenix RRAN

Phoenix vous permet de collaborer avec vos collègues, de créer et de partager vos données dans un espace de travail. Un « espace de travail » est un compartiment personnel informatisé. Il vous aide à prendre de meilleures décisions en regroupant toutes les informations nécessaires dans un seul endroit. Chaque espace de travail regroupe vos fichiers, vos rendez-vous, vos contacts, vos tâches et les nouvelles quotidiennes. Vous utilisez votre espace de travail pour partager vos documents et vos cartes ainsi que pour collaborer avec vos collègues par courriel, babillards, votes, sondages et blogues.

Phoenix est une réalisation de [Ressources naturelles Canada](#), dans le cadre des projets Réduire les risques dûs aux aléas naturels, Eaux souterraines et [MAP-GAC](#).

Vous devez ouvrir une session (ou vous enregistrer) pour utiliser cette application.

Espaces de travail

- [Couture - Landslides](#)
- [Projet des méthodes d'évaluation du risque](#)
- [PW-APF](#)
- [RRNH Management Documents](#)

[Ajouter un nouvel espace de travail](#) | [voir tous les espaces de travail \(4\)](#)

Photo du jour

Il n'y a aucun photos à montrer.

Enquêtes

Il n'y a pas de scrutins à afficher.

Événements

[The 4th Canadian Conference on GeoHazards](#)
 Lieu: Université Laval, Quebec City
 20 mai 2009 à 24 mai 2009

Annonces

[Presentation to Corporate Management Sector](#)
 Presentation of Phoenix to Corporate Management Sector
 18 janvier 2008

Nouvelles

[EarthquakesCanada main Index - Canada](#)

- 2008-01-30: magnitude 4.8 ML
- 2008-01-25: magnitude 4.6 MN
- 2008-01-17: magnitude 5.8 ML
- 2008-01-09: magnitude 6.1 Mw
- 2008-01-05: magnitude 6.5 Mw

Il y a 205 minutes

Dernière mise à jour 2008-02-11

[Haut de la page](#)

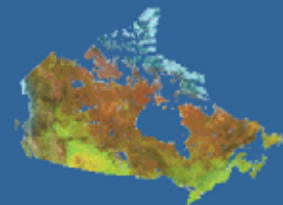
[Avis Important](#)

The interface is bilingual.

The content is “as entered”.

Text is entered via simple text boxes and/or the built-in text editor, depending on the accessed Phoenix module.

Phoenix modules



Collaboration



Announcements

Share new and upcoming developments with others.



Chat Rooms

Converse with other online members in real-time



Contacts

Contact information for people associated with your workspace.



Discussions

Discuss issues with others. Create new topics and contribute.



Emails

Compose, Save and Send emails.



Events

Share new and upcoming events with others. Publish your announcements to the world using RSS.



Links

Favourite Links to relevant information can be stored here.



Polls

Curious what others think? Start a poll and find out!



Surveys

Need to gather unsolicited feedback? Start a survey!



Tasks

Manage activities and tasks.

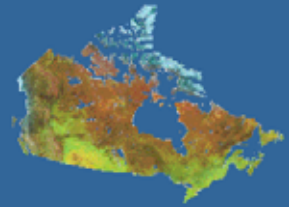


Weblogs

Record project information in a notebook format that can be read and added to by all project members

There are a number of collaboration options...

Phoenix – Documents module



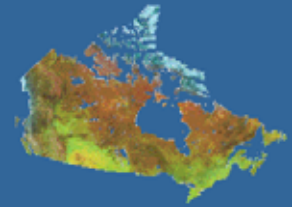
The screenshot shows the Natural Resources Canada Phoenix RPNH Documents module. The interface includes a sidebar with various navigation options, a main content area displaying a list of documents, and a top navigation bar with links to Home, Contact Us, Help, Search, and Canada.gc.ca. The document list includes 'DEM documentation' and 'How to clip a GRID', with the latter marked as 'SHARED'. The interface also shows a search bar, a login status for 'dgiroux', and a 'My Workspaces' dropdown menu.

It has document sharing.
It uses a “Sharepoint” approach.

Any document can be uploaded, downloaded, and viewed if the users computer has the supporting software.

You can replace documents, delete them. etc. They can be organized in folders and sub-folders.

Phoenix – Layers module

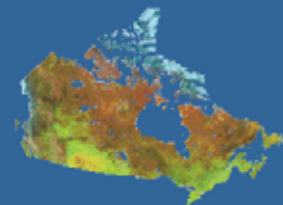


The screenshot shows the Natural Resources Canada website's 'Layers' module. The sidebar on the left contains links to various site features. The main content area displays a list of layers with checkboxes for selection. A red arrow points to the 'Layers' link in the sidebar, and a black arrow points to the 'View Map' button in the layer list.

Thumbnail	Title	Published Status
<input type="checkbox"/>	Land and water of Canada	NONE
<input type="checkbox"/>	Provincial boundaries	SHARED
<input type="checkbox"/>	rivers of Canada	SHARED

The **Layers** module is used to upload and save geospatial data.

Just select layers to create a map, using checkboxes and click the **View Map** tab.



The screenshot displays the 'Add a New Layer' form in the Phoenix RRNH Layers module. The form includes the following fields and options:

- File Type:** A dropdown menu set to 'ESRI Shapefile'.
- Feature Type:** A dropdown menu set to 'point'.
- Projection:** A dropdown menu set to 'Lat/Long WGS 84'.
- My Files:** A dropdown menu with the option '- Select a file -'.
- HTTP Upload (for files under 50MB):** A section with three rows, each containing a 'Browse...' button, a 'Remove' button, and an 'Upload' button.
- FTP Upload (for files over 50MB):** A section with a text input field and a 'Done' button.

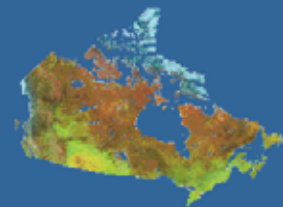
The sidebar on the left contains links for Search, Workspaces, Collections, Documents, Maps, Layers (highlighted with a red arrow), Scenarios, Collaboration, Announcements, Chat Rooms, Contacts, Discussions, Emails, Events, Links, Polls, Surveys, Tasks, Weblogs, News, Publish, Published Assets, RSS Syndication, Administration, and Users Online.

Different file types can be uploaded and viewed:

- ESRI Shapefile
- Raster
- Remote WMS
- GML
- Mapinfo
- KML

Need to specify feature type (point, line, polygon) and projection to add layers.

Phoenix – Layers module

**Download**

Close

Name	Provincial boundaries [prov_boundary.shp]
Projection	EPSG:42304
File Type	ESRI Shapefile
Created Date	December 18, 2007

Preview

ESRI Shapefile [.zip]

GML [OGC WFS GetFeature]

KML [GoogleEarth® KML file]

Styled Layer Descriptor (SLD) [.xml]

Layers will also become
downloadable/usable
in:

- Shapefile
- GML
- KML
- and XML formats.

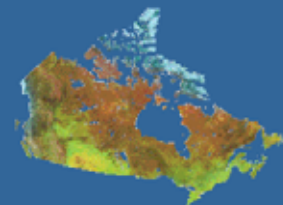


Natural Resources
Canada

Ressources naturelles
Canada

Canada

Phoenix – Maps module



Natural Resources Canada
www.nrcan.gc.ca

Phoenix RRNH > Collections > Maps / GSC Nothern

Search
Workspaces
Collections
Documents
Maps
Layers
Scenarios
Collaboration
Announcements
Chat Rooms
Contacts
Discussions
Emails
Events
Links
Polls
Surveys
Tasks
Weblogs
News
Publish
Published Assets
RSS Syndication
Administration
Users Online
dgiroux
Anonymous (1)

Logged in as dgiroux [Administrator] Logout
My Workspaces Phoenix/RRNH

Maps

Up Add Folder Subscribe Delete Cut Copy Show Details

View: List

Maps can be created from your Cart or from the Search and Layers modules. Just select any number of Layers and click on the "View Map" button. Saving the map will add it to your Maps collection.

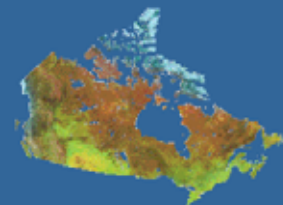
<input type="checkbox"/>	Thumbnail	Title ↓	Published Status	
<input type="checkbox"/>		Canada map 1	SHARED	
<input type="checkbox"/>		Countries of the African Horn	SHARED	
<input type="checkbox"/>		map	SHARED	
<input type="checkbox"/>		Map 1 African Horn	NONE	

Last update 2008-02-11
Top of Page
Important Notice

Maps module is used to view maps created with chosen layers.

Maps can then be viewed, deleted, properties & metadata can be edited.

Phoenix – Maps module



Natural Resources Canada / Ressources naturelles Canada

Canada

Natural Resources Canada
www.nrcan.gc.ca

Français Home Contact Us Help Search canada.gc.ca

Phoenix RRNH

Logged in as dgiroux [Administrator] Logout

My Workspaces Phoenix RRNH

Map Explorer : "map"

Save Map Download Back

0 1100 2200 3300 4400 5500 km

N 123.49 W -171.532055 S -2.77 E -13.627345

Abstract Layers

Users Online
dgiroux

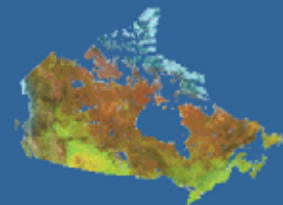
Last update 2008-02-11

Top of Page

Important Notice

Maps legend can be edited and map layers re-ordered.

Phoenix – Maps module



Natural Resources Canada
www.nrcan.gc.ca

Canada

Phoenix RRNH > Collections > Maps / GSC Northern

Search
Workspaces
Collections
Documents
Maps
Layers
Scenarios
Collaboration
Announcements
Chat Rooms
Contacts
Discussions
Emails
Events
Links
Polls
Surveys
Tasks
Weblogs
News
Publish
Published Assets
RSS Syndication
Administration
Users Online
dgiroux

Logged in as dgiroux [Administrator] Logout

My Workspaces Phoenix RRNH

Update Map

Save and Close Request Promotion Cancel

Properties Metadata

Title Canada map 1

Abstract
This is an abstract for Canada map 1

Is Viewable? ☒

Export to? ☒ Map Viewer ☒ OGC Web Map Service (WMS)

Exported Map Links
 Map Viewer Link: http://rrnh-rran.phoenix.nrcan-mnca.gc.ca/collections/map_viewer.aspx?map=f30e89c0-0c69-48ca-8cc0-80c1a291d8b4
 WMS Link: http://rrnh-rran.phoenix.nrcan-mnca.gc.ca/services/mapserv.exe?service=wms&map=f30e89c0-0c69-48ca-8cc0-80c1a291d8b4_wms.map

Share with others? ☒

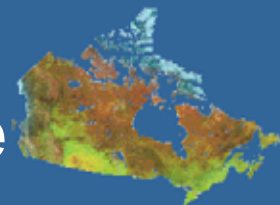
Current Published Status **SHARED**

File Owner sysadmin (sysadmin) Change Owner

Created on November 14, 2007 9:17 PM by sysadmin
Last modified on August 7, 2008 2:55 PM by Denis Giroux


Map Viewer and WMS
links created automatically
(if desired)

Phoenix – Search module



Search tool to query workspaces via:


- simple search (keywords)
- advanced search (keywords and/or spatial filter and/or temporal filter)
- remote Phoenix nodes search

 Natural Resources Canada
 Ressources naturelles Canada

[Français](#) | [Home](#) | [Contact Us](#) | [Help](#) | [Search](#) | [canada.gc.ca](#)

[Phoenix RRNH](#) > [Search](#)

Search  **Search**

Logged in as dgioux [Administrator] [Logout](#) 

My Workspaces [Phoenix RRNH](#)

[Clear Results](#) [Add To Workspace](#) [View Cart](#) [View Map](#)

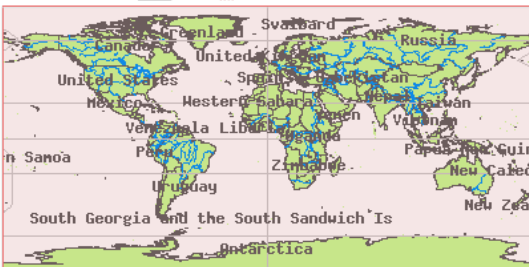
Keyword

[Search](#)

☐ Simple Search ☒ Advanced Search ☐ Search remote nodes

Spatial Filter

Zoom in as close as possible to the area of interest and draw the approximate extent using the extent tool.



N 90 W -180.452261 S -90 E 180.452261 (Lat/Lon)

90 -180 180 -90

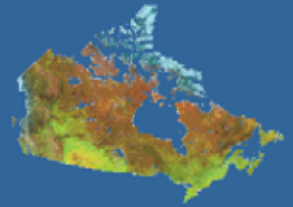
Temporal Filter

From To

<<< January 1980 >>> <<< August 2008 >>>

53 30 31 1 2 3 4 5 31 27 28 29 30 31 1 2
 2 6 7 8 9 10 11 12 32 3 4 5 6 7 8 9
 3 13 14 15 16 17 18 19 33 10 11 12 13 14 15 16
 4 20 21 22 23 24 25 26 34 17 18 19 20 21 22 23
 5 27 28 29 30 31 1 2 35 24 25 26 27 28 29 30
 6 3 4 5 6 7 8 9 36 31 1 2 3 4 5 6

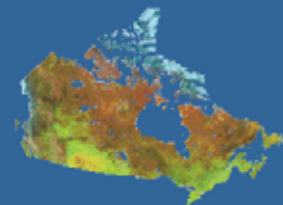
Results



Conclusion:

- Brief overview of Phoenix.
- More modules are available.
- Visit <http://decisiontools.ca> to download the full application.
- Visit <http://help.decisiontools.ca> for full Phoenix helpfiles and installation details (in English and French).

Phoenix



Questions?

dgiroux@nrcan.gc.ca

or

613-947-1107 (Ottawa, Ontario)