

Increasing User Access by Transforming to a Metadata Driven Website

Betsy Hamid

Ropin' the Web

Alberta Agriculture & Rural Development

Ropin' the Web

- Background
- Ropin' the Web (History)
- Ropin' the Web (Current)
- Taxonomy
- Metadata
- Thesaurus

Ropin' the Web (History)

- Project Barley
 - June 1995 (pilot project)
 - 600 Pages (4 megs)
 - 4800 visits in the next three months

The First Ropin' the Web

[Beef](#)

[Dairy](#)

[Horses](#)

[Pork](#)

[Sheep](#)

[Poultry](#)

[Bison](#)

[Elk](#)

[Deer](#)

[Wild Boar](#)

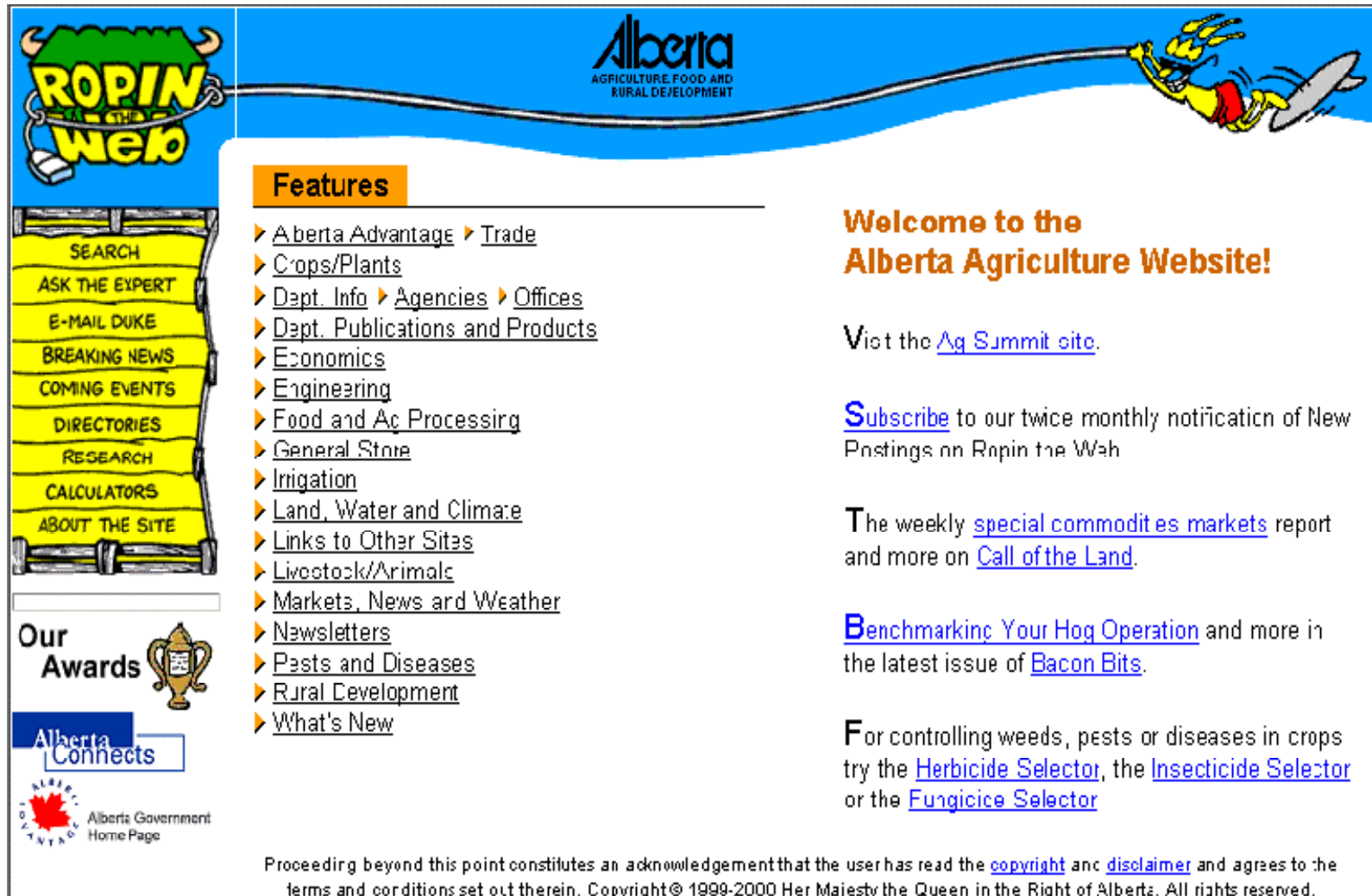
[Goats](#)

[Ratites](#)

[Aquaculture](#)



Ropin' the Web (1999)



ROPIN
THE
WEB

Alberta
AGRICULTURE, FOOD AND
RURAL DEVELOPMENT

Features

- ▶ [Alberta Advantage](#) ▶ [Trade](#)
- ▶ [Crops/Plants](#)
- ▶ [Dept. Info](#) ▶ [Agencies](#) ▶ [Offices](#)
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- ▶ [General Store](#)
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- ▶ [Land, Water and Climate](#)
- ▶ [Links to Other Sites](#)
- ▶ [Livestock/Animals](#)
- ▶ [Markets, News and Weather](#)
- ▶ [Newsletters](#)
- ▶ [Pests and Diseases](#)
- ▶ [Rural Development](#)
- ▶ [What's New](#)

Welcome to the Alberta Agriculture Website!

Visit the [Ag Summit site](#).

[Subscribe](#) to our twice monthly notification of New Postings on Ropin the Web


The weekly [special commodities markets](#) report and more on [Call of the Land](#).

[Benchmarking Your Hog Operation](#) and more in the latest issue of [Bacon Bits](#).

For controlling weeds, pests or diseases in crops try the [Herbicide Selector](#), the [Insecticide Selector](#) or the [Fungicide Selector](#)

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Alberta Government Home Page

Ropin' the Web (2007)

Microsoft Internet Explorer window showing the Ropin' The Web Portal. The address bar displays <http://www.agric.gov.ab.ca/app21/rtw/index.jsp>.



Agriculture, Food and Rural Development

Alberta Government

Location: [Alberta Government Home](#) > Ropin' The Web Home

Home | Find Staff | Calculators | Directories | General Store | Links | Programs & Services

Welcome

Highlights

- [New co-ops may mean even bigger business for Alberta's farmers' markets](#) - July 27, 2005.
- [Alberta producers represented at U.S. agriculture conference](#) - July 26, 2005.
- [More on U.S. border opening to live cattle.](#)
- [Feeder Cattle Set-Aside Program Terminated](#) - July 20, 2005
- [Drought reports](#) for the agricultural region of Alberta are available on-line.
- [BSE: Managing the Challenges](#)

Frequently Asked Questions

- Do you have an agricultural question? Call the [Ag-Info Centre at 1-866-882-7677](#), toll free in Alberta.
- [2005 Bertha Armyworm and Diamondback Forecast Maps](#)
- [Lygus Bug](#)
- [Powdery Mildew](#)
- [Sweet Clover Poisoning](#)
- [Diagnosing Plant Problems](#)
- [More FAQs...](#)

Features

- See our most [recent postings](#).
- Get the latest ag information on [Call of the Land](#).
- On today's Call of the Land, [Alberta Agriculture livestock market summary](#).
- This week in Agri-News, [planting winter wheat for the first time](#).

Assistance Programs

- [2005-2006 Canada Alberta Farm Water Program \(CAFWP\)](#)
- [2005 Alberta Disaster Recovery Program - Flooding Component](#)
- [Canada-Alberta 2004 Calf Set Aside Program](#) - Program Update
- Release Notices Available
- [Canada-Alberta BSE Fed Cattle Set-Aside Program](#) - Program Update
- Release Notices Available
- [Canada-Alberta BSE Surveillance Program](#)
- Call (780) 422-9167 for more information. Outside of Edmonton - toll free 310-0000

Diseases/Insects/Pests

- [West Nile Virus Investigation Reporting Form](#)
- [2005 Bertha Armyworm and Diamondback Forecast Maps](#)
- [2005 Weekly Alberta West Nile Virus Horse Statistics](#)
- Weekly and cumulative [BSE tests completed in Alberta](#) under the Canada-Alberta BSE Surveillance Program

Weather

Edmonton

19 °C,
Wind NE 4km/h
Humidity 66%
Pressure 101.2Kpa
[More...](#)


Market Prices

- [Daily Grain Prices](#)
- [Crop Price Review](#)
- [Livestock Price Review](#)
- [Market Links](#)

Quick Links

- [Coming Events](#)
- [Publications & More](#)
- [Rural Development Initiative](#)
- [Employment Opportunities](#)
- [News & Newsletters](#)
- [External Access](#)

Our Awards



Ropin' the Web

- Description of website
 - Databases
 - Number of documents
 - Hosting of websites (ie. ForageBeef.ca)
 - Number of views
- Major Users

Common Categorization Schemes in a Taxonomy

Method	Definition
Facet Based	Information categorized into multiple taxonomies or “stackonomies” based on unique but pervasive characteristics including topic, function, etc.
Subject – oriented	Information categorized by subject or topic
Functional	Information categorized by the process to which it relates
Organizational	Information categorized by corporate departments or business entities
Document Type	Information categorized by the type of document

Ropin' the Web: Taxonomy

- Description of taxonomy
- Development of new taxonomies
 - Examples
 - Points to consider
 - Sources of vocabulary
- Scope notes
- Issues (ie: variable amounts of specificity)

Metadata

- Defined
- Standards
- Types of Metadata
- Schema (Dublin Core)
- Elements

Metadata Definition

- Metadata is “data about data”
- It is defined as structured information that describes, explains, locates or otherwise makes it easier to retrieve, use or manage an information resource
- For example, metadata is commonly used for any formal scheme or resource description, applying to any type of object, digital or non-digital.

Metadata Standards

- Worldwide efforts to develop consistent approaches and standards to manage metadata for all types of documents
- The International Organization for Standardization (ISO) and the American National Standards Institute (ANSI) have adopted several internationally accepted standards related to metadata
- Alberta Metadata Standards Management Group: *Government of Alberta Core Metadata Application Profile (2008)*

Properties in CMAP vs Ropin' the Web

- Alternative title
- Creator
- Date Created
- Date Modified
- Description
- Extent
- Format
- Identifier
- Language
- Official Title
- Sensitivity
- Subject
- Type
- Creator
- Date Created
- Date Modified
- Description
- Identifier
- Language
- Title
- Subject
- Type
- Audience

Three Main Types of Metadata

- Descriptive Metadata
- Administrative Metadata
- Intrinsic Metadata

Descriptive Metadata

- Describes a resource for the purposes such as discovery and identification.
- It can include elements such as title, abstract, author and keywords and audience
- Mainly used to facilitate discovery of relevant information

Administrative Metadata

- Information to help manage a resource, such as when and how it was created, file type and other technical information, and who can access it.
 - Rights Management Metadata – deals with intellectual property rights
 - Preservation Metadata – contains information needed to archive and preserve a document

Intrinsic Metadata

- Data extracted directly from an object
- Can include file name, file size, file type

Metadata Schemes

- A variety of metadata schemes and element sets developed in working towards a common approach to the development and ongoing management of metadata
- Most commonly used scheme is the **Dublin Core Metadata Element Set**
- Has been used by itself, or as a starting point to identify common elements needed across the various information management disciplines in an organization

Dublin Core

- Used as the basis of metadata schemes and element sets developed for the governments of Canada, Ontario and Alberta
- Developed to be simple and concise, and to describe web-based documents
- A set of 15 descriptors that can be applied across a wide range of disciplines

Dublin Core

- Elements identified as mandatory by the Alberta Metadata Standards Management Group are Title, Creator, Subject, Description, Date, Type, Format, Language and Rights
- Optional elements are Publisher, Contributor, Identifier, Source, Relation and Coverage
- The three main elements covered here are Type (Object Type), Description (Brief Description) and Audience
- Additional elements worked with are keywords and subject

Crop Conditions as of September 24, 2009

Sign up for our E-Newsletter

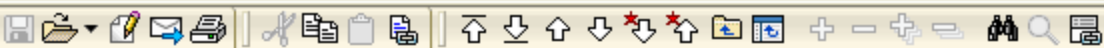
This information has been made available by [Agriculture Financial Services Corporation](#).

The September 24, 2009 Crop Report is also available as a [PDF](#) file on the AFSC website.

Prepared by:
[James Wright](#)
Project Manager
Actuarial & Program Readiness
AFSC, Lacombe
Telephone: (403)782-8336

Provincial

Warm, dry weather across the entire province has allowed harvest to progress virtually unimpeded. The lack of a fall killing frost in most areas has provided late maturing crops with time to ripen without incurring significant yield or quality damage. The pace of harvest has been slowed this year as more fields need to be swathed due to late heavy weed growth and/or multiple crop staging



ress



Welcome Elizabeth Hamid - Inbox Databases Workspace Department Documents Newsletters Crop Conditions as of Septembe...

Edit Document Close Create URL For This Document Web Preview Change Displayed within Archive (click to HIDE)

Document Information

Document Details

Document Type: Web Documents

Object Type: report

Audience: Cereal Producer;
(metadata) Forage Producer;
Oilseed Producer;
Producers (Crops)

Date Document can be read by other staff
(and Ropin' the Web, if external).

Active Date: Sept 29, 2009

Date Document is removed from active views
(and Ropin' the Web, if external).

Archive Date: Sept 29, 2011

Date Document content was last reviewed
(for display of 'Last Reviewed/Revised' on the web).

Modified Date: Sept 29, 2009

Document Information

Title: Crop Conditions as of September 24, 2009

Brief Description: Crop conditions around the province as of September 24, 2009

Content Specialist: Stacey Tames

Document Editor: Stacey Tames on 09/29/2009 at 04:01 PM

Last Modified By: Elizabeth Hamid on 09/30/2009 at 04:14 PM

Categorization Information

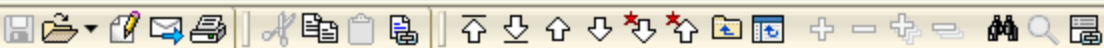
Audience: External - On Ropin' the Web

Document Class: Department Information

Location: Not Applicable

Document ID: 12858

URL Identifier: webdoc



(for display of 'Last Reviewed/Revised' on the web).

Document Information

Title: Crop Conditions as of September 24, 2009

Brief Description: Crop conditions around the province as of September 24, 2009

Content Specialist: Stacey Tames

Document Editor: Stacey Tames on 09/29/2009 at 04:01 PM

Last Modified By: Elizabeth Hamid on 09/30/2009 at 04:14 PM

Categorization Information

Audience: External - On Ropin' the Web

Document Class: Department Information

Location: Not Applicable

Document ID: 12858

URL Identifier: webdoc

Is this document one of a series of documents? If Yes, you must complete a Series form No to link all the documents together.

Use Category 1 in Navigation: No

Category 1: Statistics

Topic: Crops

Sub-topic: Crop Reports

"About The Ministry" Categorization

- none -

Web Documents Information

This information has been made available by [Agriculture Financial Services Corporation](#).

```
a name="title" content="Crop Conditions as of September 24, 2009" />
a name="language_of_resource" content="eng" />
a name="description" content="Crop conditions around the province as of September 24, 2009" />
a name="originator" content="Government of Alberta, Alberta Agriculture and Rural Development" />
a name="author" content="Government of Alberta, Alberta Agriculture and Rural Development, Rural Development, Regulatory
Business Services, Information Management" />
a name="creator" content="Government of Alberta, Alberta Agriculture and Rural Development" />
a name="date_created" content="2009-09-29" />
a name="date_modified" content="2009-09-29" />
a name="controlled_subject_terms" content="Statistics, Crops, Crop Reports" />
a name="keywords" content="" />

a name="DC.title" content="Crop Conditions as of September 24, 2009" />
a name="DC.language" scheme="ISO639-2" content="eng" />
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a name="DC.creator" content="Government of Alberta, Alberta Agriculture and Rural Development, Rural Development,
Regulatory and Business Services, Information Management" />
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a name="DC.subject" content="Crop Reports" />
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a name="DC.audience" content="Forage Producer" />
a name="DC.audience" content="oilseed Producer" />
a name="DC.audience" content="Producers (Crops)" />

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a name="WT.cg_s" content="webdoc" />

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link rel="stylesheet" media="print" href="http://www.agric.gov.ab.ca/styles/goa/print.css" type="text/css"/>
- [if lte IE 7]><link rel="stylesheet" href="http://www.agric.gov.ab.ca/styles/goa/ieonly.css"
e="text/css"/><![endif]-->
link rel="stylesheet" media="screen" href="http://www.agric.gov.ab.ca/app21/rtw/styles/rtwextra.css" type="text/css"/>

<script language="JavaScript" type="text/javascript">
function openCOTL(url) {
    window.open(url, "_blank",
    "toolbar=0,location=0,menubar=0,scrollbars=0,resizable=0,width=160,height=80,left=50,top=50");
}
-->
</script>

<script language="JavaScript" type="text/javascript">
```

Object Type

- Including a value for “type” helps users find the information they are looking for by giving them an additional way to narrow their search query.
- Element is defined with the use of a controlled vocabulary (derived from the DCMIType vocabulary) as outlined in handout.
- Includes about 41 descriptions of resource types to choose from depending on the object

Object Type- Defined

- *The nature or genre of the content of the resource. Type includes terms describing general categories, functions, genres or aggregation levels for content. Recommended best practice is to select a value from a controlled vocabulary. It is important not to confuse “type” with “subject” (What the resource is about) or “format” (The physical manifestation or file format of the resource).*
- Examples of different object types in Ropin' the Web

Examples of Type on Ropin' the Web

- Abstract (30)
- Administration Page(134)
- Assessment (93)
- Biography (124)
- Calendar (10)
- Contact Information (86)
- Contractual Material (1)
- Correspondence (1)
- Dataset (72)
- Decision (13)
- Educational Material (42)
- Event (12)
- Fact Sheet (1,711)
- Financial Report (9)
- Form (18)
- Frequently Asked Questions (179)
- Geospatial Material (100)
- Guide (373)
- Interactive Resource (1)

Examples of Type on Ropin' the Web

- Legislation & Regulations (54)
- Licences and Permits (2)
- Media Release (1)
- Meeting Material (3)
- News Release (79)
- Notice (2)
- Organizational Description (97)
- Policy (2)
- Presentation (128)
- Promotional Material (176)
- Reference Material (11)
- Report (786)
- Research (122)
- Resource List (226)
- Service (11)
- Sound (1)
- Standard (26)
- Statistics (421)
- Still Image (30)
- Survey (23)
- Terminology (24)
- Welcome Page (1)

Brief Description

- Defined as:
 “An account of the content of the resource.”
- May include but is not limited to: an abstract, table of contents, reference to a graphical representation of content or a free-text account of the content.
- Another metadata element which will assist users in determining whether a resource will be useful to them.
- It conveys the purpose of the resource in a clear, objective manner
- Can be used for search engine results display, link descriptions on cluster pages and automated classification by portal content management systems.

Descriptions – Points to Consider

- When describing a document consider:
 - What it is: i.e. report, guide, table, advertisement etc.
 - What it is saying (Content)
 - Who is the intended audience?
 - What is the intended purpose?
 - The source
- Consider points on handout, with examples of descriptions.

Audience

- The Audience element describes the intended audience of a resource. It allows searchers to specify the particular audience they belong to, so only resources relevant to them get displayed. It also allows searchers to decide whether a service or resource is worth accessing or retrieving.

Audience: Sources Consulted

- Dublin Core Application Profile (DCAP) for Web Resource Discovery in the Government of Canada: (GOL Metadata Working Group <dc.Audience> Sub-group: *Guidelines for the Dublin Core Metadata Element Audience – 2nd version (2005)*)
- *NZGLS (New Zealand Government Locator Service) Metadata Standard and Reference Manual , Version 2 (2001): Rules For the Audience Element*

- *AGLS (Australian Government Locator Services) Audience Controlled Vocabulary (2002)*
- *eGNS Audience Encoding Scheme (United Kingdom)(2002)*
- *USDA Web Presence Initiative Audience Analysis (2003)*
- *A Dublin Core Application Profile in the Agricultural Domain (2001)*
- *Government of Canada National Occupational Classification*

Examples of Audience

- Other large web pages using the audience element to direct their content to a specified audience are:
 - Agriculture and Agri-Food Canada
http://www.agr.gc.ca/index_e.php
 - United States Department of Agriculture
<http://www.usda.gov/wps/portal/usdahome>

Audience Element on Ropin' the Web

- **No Audience** – refers to documents that are not appropriate for any one audience, or else are intended for everybody (ie. Ministerial documents and research manuals)
- **Agribusiness** – Includes producers, manufacturers and distributors of agricultural goods and services
- **Animal Health Professional** – Refers to veterinarians and related professionals involved with the surveillance, detection, investigation and response to animal health issues

Audience Element on Ropin' the Web

- **Beef Producer** – Refers to a producer of cattle specifically grown for meat
- **Cereal Producer** – Refers to a producer of grain crops (mostly grass crops) including wheat, rye, oats, barley & triticale
- **Consumers** – Refer to people who purchase retail products
- **Forage Producer** – Refers to a producer of crops grown for consumption by livestock: crops of high feed value such as grasses and legumes

Audience Element on Ropin' the Web

- **Irrigation** – provides information to those who practice the artificial application of water to soil in place of or in addition to natural precipitation for the purpose of increasing plant production
- **Land Managers** – Are persons concerned with the maintenance and improvement of land and water resources and are interested in the protection, improvement and wise use of natural resources

Audience Element on Ropin' the Web

- **Oilseed Producer**- Refers to a producer of crops used in the production of food oils such as flax, canola and sunflower
- **Processors** – Are businesses which transform raw materials into foods, beverages and certain related industrial products such as feeds, ethanol, fibreboard and vegetable & animal fats and oils

Audience Element on Ropin' the Web

- **Producers (Crops)** – provides information of interest to those involved in the production of horticultural crops, special crops and greenhouse production
- **Producers (Livestock)** – Refers to the growers of all forms of livestock (with the exception of beef) for the production of red meat, poultry & eggs, dairy products and honey

Audience Element on Ropin' the Web

- **Rural Communities** – Includes populations of people living in towns and smaller communities which provide services and support for the farming community
- **Students & Educators** – provides coursework and information of agricultural subjects of interest to the student population in rural Alberta and persons responsible for their instruction

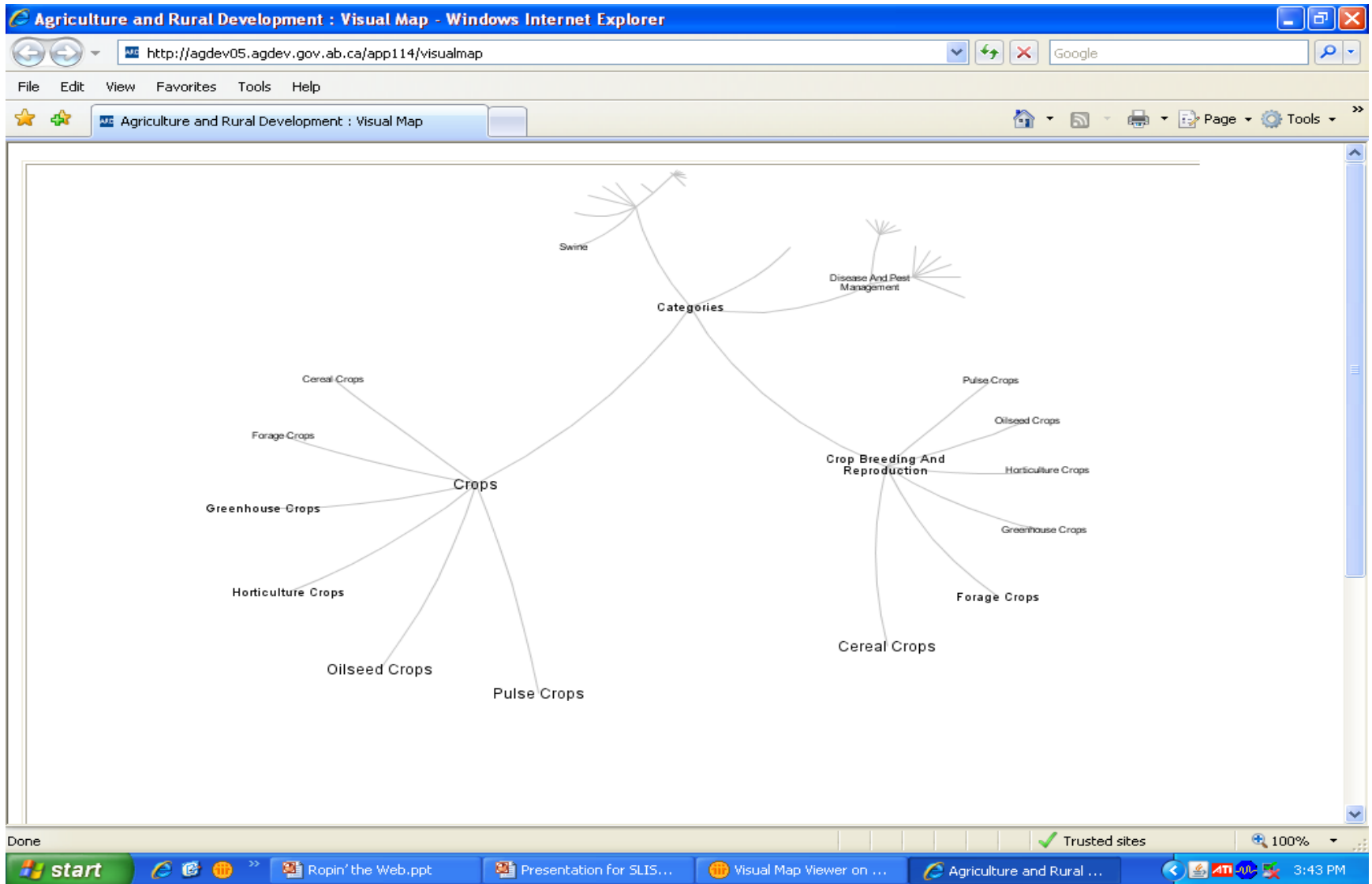
Audience Element on Ropin' the Web

- **Youth & 4H** – Includes information and activities of interest to rural youth including farm safety activities, and materials, information and articles for those people involved in the 4H organization

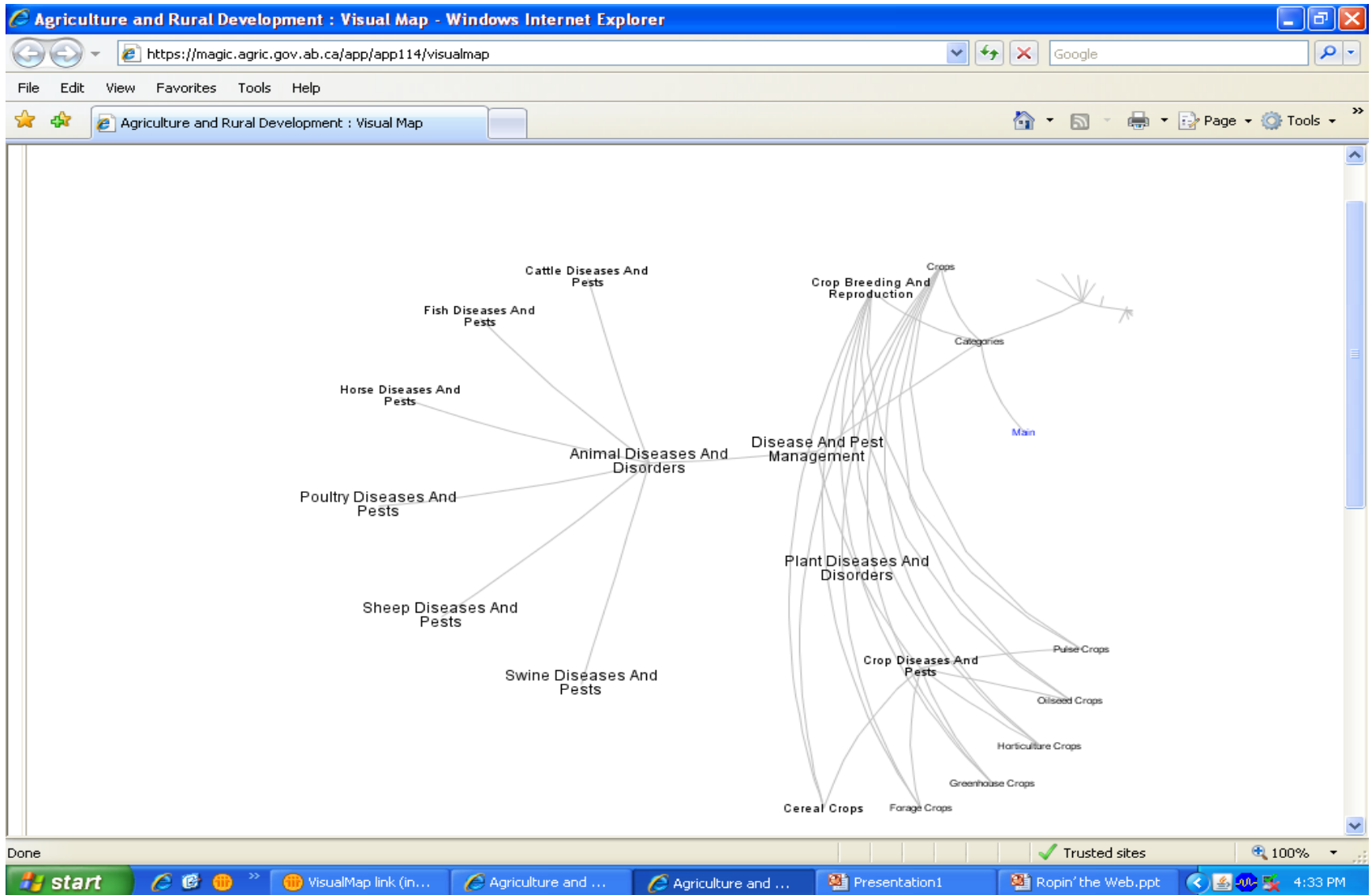
Additional Elements to Assist in Navigation

- Subject
- Keywords
 - Retrieval of specific topics (ie. Drought, Merchandise)
 - Thesaurus Development

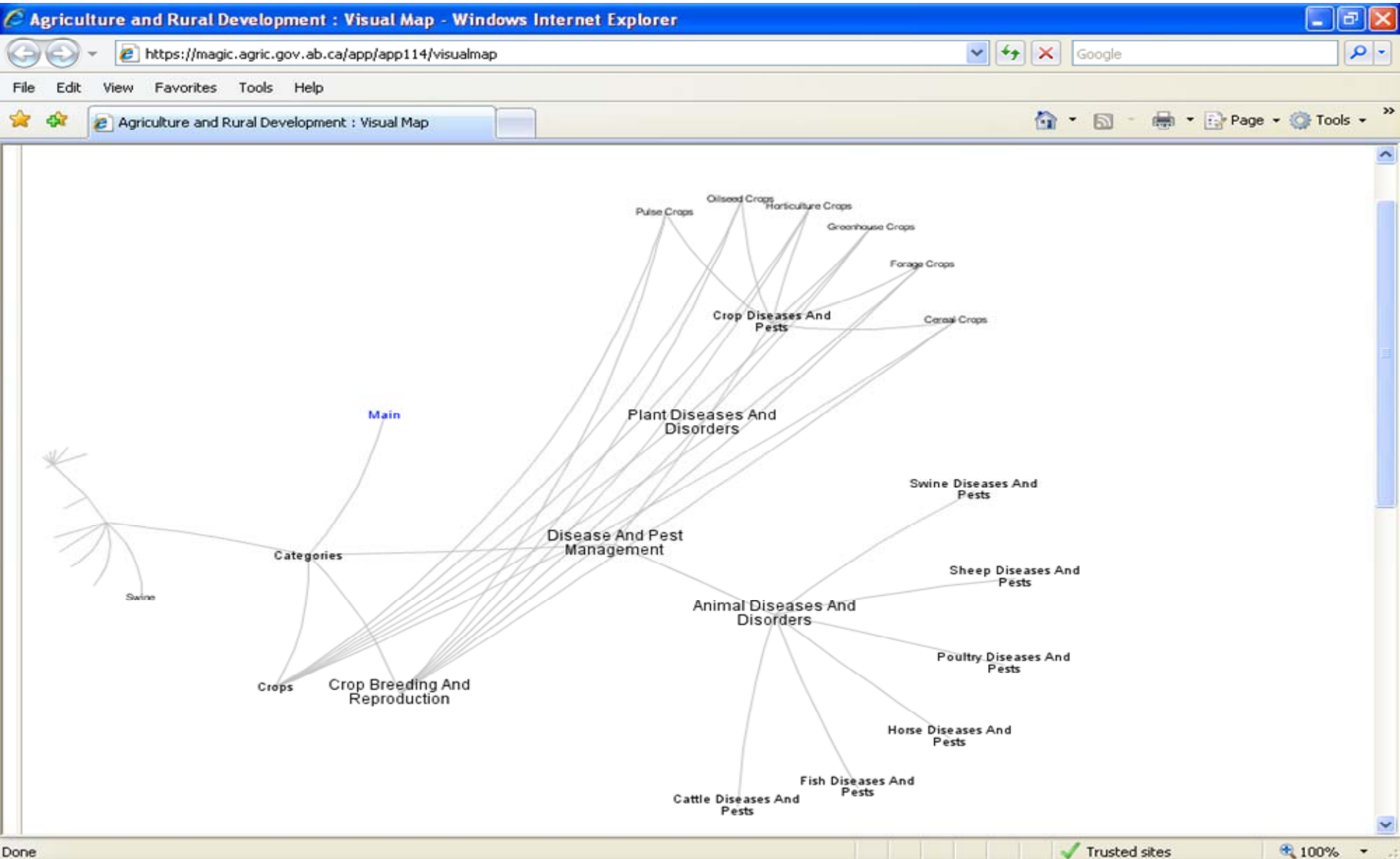
Visual Thesaurus - Crops



Visual Thesaurus - Diseases



Visual Thesaurus-Crops and Diseases



Visual Thesaurus - Protege

Protege_Crops_Diagram_1.JPG - Windows Picture and Fax Viewer

http://www.agric.gov.ab.ca (http://www.agric.gov.ab.ca) - [C:\Documents and Settings\steve.farkas\My Documents\VisualThesaurus\rtw.20090507.owl]

File Edit Ontologies Reasoner Tools Refactor Tabs View Window Help

Active Ontology Entites Classes Object Properties Data Properties Individuals OVL Viz DL Query

Asserted class hierarchy: Crops

- Thing
 - Livestock
 - Crops
 - Cereals
 - forage_crops
 - Greenhouse_crops
 - Horticulture_crops
 - Oilseed_crops
 - Pulse_crops

OVL Viz: Crops

Asserted model Inferred model

```
graph TD; Thing((Thing)) --> Crops((Crops)); Crops --> Cereals((Cereals)); Crops --> Pulse_crops((Pulse_crops)); Crops --> Oilseed_crops((Oilseed_crops)); Crops --> Forage_crops((Forage_crops)); Crops --> Greenhouse_crops((Greenhouse_crops)); Crops --> Horticulture_crops((Horticulture_crops)); Cereals --> Triticale((Triticale)); Cereals --> Rye((Rye)); Cereals --> Oats((Oats)); Cereals --> Barley((Barley)); Cereals --> Wheat((Wheat)); Pulse_crops --> Dry_peas((Dry_peas)); Pulse_crops --> Lentils((Lentils)); Pulse_crops --> Dry_beans((Dry_beans)); Oilseed_crops --> Flax((Flax)); Oilseed_crops --> Canola((Canola)); Forage_crops --> Legumes((Legumes)); Forage_crops --> Grasses((Grasses)); Greenhouse_crops --> Tomatoes((Tomatoes)); Greenhouse_crops --> Ornamentals((Ornamentals)); Horticulture_crops --> Herbs((Herbs)); Horticulture_crops --> Shrubs((Shrubs)); Horticulture_crops --> Trees((Trees)); Horticulture_crops --> Vegetables((Vegetables));
```

Click here to begin

start Protege Di... Windows Me... Microsoft Po... 2 Internet ... screenshots Protege_Cro... 3:53 PM

Visual Thesaurus - Protege

Protege_Livestock_Diagram_3.JPG - Windows Picture and Fax Viewer

The screenshot displays the Protege software interface. On the left, the 'Asserted class hierarchy: Livestock' is shown as a tree structure. The root is 'Thing', which branches into 'livestock' and 'Crops'. 'livestock' further branches into 'Cattle', 'fish', 'Horses', 'Poultry', 'Sheep', and 'Swine'. 'Cattle' branches into 'Beef_cattle' and 'Dairy_cattle'. 'Crops' branches into 'Cereals', 'Forage_crops', 'Greenhouse_crops', 'Horticulture_crops', 'Oilseed_crops', and 'Pulse_crops'. Each of these categories has its own sub-classes listed below it.

On the right, the 'OVM_Viz: Livestock' window shows a visual thesaurus. The 'Asserted model' tab is active, displaying a network of nodes and relationships. The 'Livestock' node is highlighted with a blue box. It is connected to 'Fish', 'Swine', 'Sheep', 'Poultry', and 'Horses' via 'is-a' relationships. The 'Livestock' node is also connected to 'Cattle', which is further connected to 'Beef_cattle' and 'Dairy_cattle'. The 'Livestock' node is also connected to 'Thing' via an 'is-a' relationship.

The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 3:56 PM.

Visual Thesaurus - Protege

The screenshot displays the Protege software interface with a visual thesaurus for the class 'Crops'. The interface includes a menu bar, a toolbar, and a main workspace. On the left, a tree view shows the class hierarchy, with 'Crops' selected. The main workspace shows a network diagram where 'Crops' is the central node, connected to various sub-classes. The sub-classes are: Horticulture_crops, Greenhouse_crops, Forage_crops, Cereals, Oilseed_crops, and Pulse_crops. Each sub-class is further connected to its own set of specific crop types. For example, 'Cereals' includes Barley, Rye, Oats, and Wheat. The 'Crops' node is highlighted with a blue box, and a green arrow points from 'Thing' to it. The bottom of the screen shows the Windows taskbar with the Start button and several open applications.

Protege_Crops_Diagram_2.JPG - Windows Picture and Fax Viewer

http://www.agric.gov.ab.ca (http://www.agric.gov.ab.ca) - [C:\Documents and Settings\steve.farkas\My Documents\VisualThesaurus\rtw.20090507.owl]

File Edit Ontologies Reasoner Tools Refactor Tabs View Window Help

Active Ontology Entities Classes Object Properties Data Properties Individuals OVL Viz DL Query

Asserted class hierarchy: Crops

- Thing
 - Livestock
 - Cattle
 - Beef_cattle
 - Dairy_cattle
 - Fish
 - Horses
 - Poultry
 - Sheep
 - Swine
 - Crops
 - Cereals
 - Barley
 - Bats
 - Eye
 - Triticale
 - Wheat
 - Forage_crops
 - Grasses
 - Legumes
 - Greenhouse_crops
 - Ornamentals
 - Tomatoes
 - Horticulture_crops
 - Herbs
 - Ornamentals
 - Shrubs_
 - Trees
 - Vegetables
 - Oilseed_crops
 - Canola
 - Flax
 - Pulse_crops
 - Dry_beans
 - Dry_peas
 - Lentils

Asserted model Inferred model

Thing Crops Horticulture_crops Greenhouse_crops Forage_crops Cereals Oilseed_crops Pulse_crops Trees Vegetables Shrubs_ Herbs Ornamentals Tomatoes Grasses Legumes Triticale Barley Rye Oats Wheat Flax Canola Dry_beans Dry_peas Lentils

start > Protege Di... Windows Me... Microsoft Po... Internet ... screenshots Protege_Cro... 3:55 PM

Visual Thesaurus -Protege

The screenshot displays the Protege ontology editor interface. The main window title is "http://www.ontology.RTW2009 (http://www.ontology.RTW2009) - [C:\Documents and Settings\elizabeth.hamid\My Documents\rtw.owl]". The menu bar includes File, Edit, Ontologies, Reasoner, Tools, Refactor, Tabs, View, Window, and Help. The toolbar shows navigation and search icons. The "Active Ontology" tab is selected, and the "Entities" sub-tab is active. The "Asserted class hierarchy" panel shows a tree structure starting with "Thing", which contains "Crops". Under "Crops", there are six sub-classes: "Cereals", "Forage_crops", "Greenhouse_crops", "Horticulture_crops", "Oilseed_crops", and "Pulse_crops". The "Forage_crops" class is highlighted. The "Description: Forage_crops" panel on the right shows a list of relationships: "Equivalent classes", "Superclasses", "Inherited anonymous classes", "Members", and "Disjoint classes". The "Object property hierarchy" panel at the bottom left shows a list of object properties: "breeding_and_reproduction", "diseases", "husbandry", "marketing", "nutrition", "pests", and "production_economics". The Windows taskbar at the bottom shows the Start button and several open applications, including Elizabeth..., Windows..., Microsoft..., screensh..., Protege..., and Protege. The system clock shows 4:04 PM.

References

- Hillman, Diane: *Using Dublin Core*, Dublin Core Metadata Initiative, 2005
- Government of Canada: *Guide to the Development and Maintenance of Controlled Vocabularies in the Government of Canada*
- National Information Standards Organization: *Understanding Metadata*, 2004 (A revision and Expansion of *Metadata Made Simpler: A guide for librarians*, Published by NISO Press, 2001.
www.niso.org

References

- Taxonomy Strategies
<http://www.taxonomystrategies.com/>
- TIPS: Taxonomies in the Public Sector
(Bibliography).
<http://nglis.org.uk/tipsbib.htm>

Contact Information

Betsy Hamid

Digital Librarian

Ropin' the Web

Phone: 780-422-3952

Email: elizabeth.hamid@gov.ab.ca