

Implementing the NAL Thesaurus in a Knowledge Repository (KR)

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Implementation of the NAL Thesaurus in the KR

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What is the Knowledge Repository?

- Knowledge domain structure
- Manage more than packaged information
- Interoperability with other repositories
 - Internal to MSU
 - External (LGUs, AgNIC, ADEC and others)
- Employ Web services for search
- Interact with MSUE portal or stand alone



What is the National Agricultural Library Thesaurus (NALT)?

- A thesaurus is more than keywords
- Produced by the National Ag. Library
- Official thesaurus of USDA
- Over 70,000 terms
- Updated annually
- Currently being translated to Spanish



How do they work together?

- Thesaurus provides consistent resource descriptions
- Search services vet terms against NALT
 - Provides more consistent search results
- NALT provides schema for KR
- NALT provides foundation for interoperability with other repositories



Who is involved in this KR?

- Michigan State University Extension
- National Agricultural Library
- Michigan State University Main Library



How is the information organized for inclusion in the KR?

- What are the sources and types?
- What policies need to be in place to manage the information: new and current
- Who needs to be on board to make it work?



How do you use the KR?

- Knowledge Repository (direct)
 - www.msue.msu.edu/kr
- Portal Module
 - Can be added to any MSUE portal page



Office Integration

- Microsoft Office Research Services, one of the features of Microsoft Office 2003 Editions, allows you to search public, corporate, subscription databases, intranet sites, reference materials, and selected Internet services without leaving your Office application or Microsoft Internet Explorer.
- <http://kr.msue.msu.edu/WSKR/WSKSRegistration.aspx>

Web Services

- MSUE's Web Service URL is:
 - WSDL:
http://msue.msu.edu/kr_services.cfc?WSDL
- Basic Search Function takes a “Search Term” parameter and returns search results

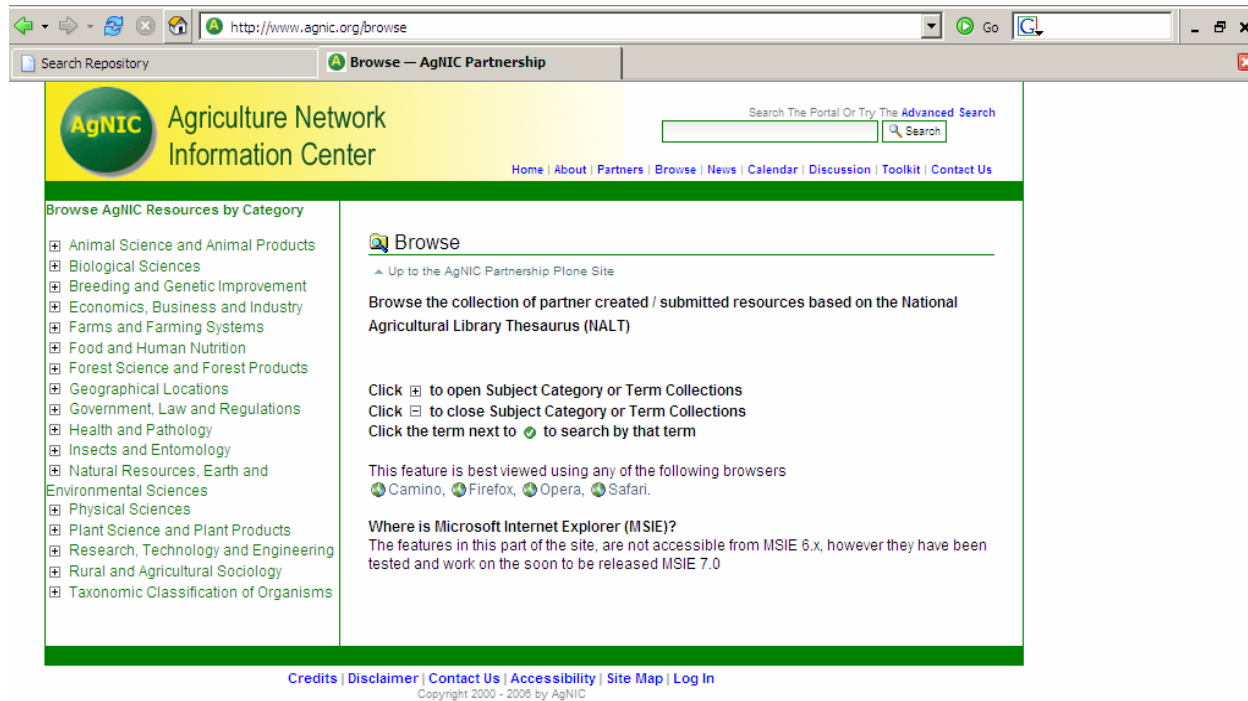


How can it be expanded?

- Partners
 - Web services
 - Other repositories
 - Interoperability



AgNIC Implementation of the NALT



http://www.agnic.org/browse

Search Repository **Browse — AgNIC Partnership**

AgNIC Agriculture Network Information Center

Search The Portal Or Try The [Advanced Search](#)

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Browse AgNIC Resources by Category

- Animal Science and Animal Products
- Biological Sciences
- Breeding and Genetic Improvement
- Economics, Business and Industry
- Farms and Farming Systems
- Food and Human Nutrition
- Forest Science and Forest Products
- Geographical Locations
- Government, Law and Regulations
- Health and Pathology
- Insects and Entomology
- Natural Resources, Earth and Environmental Sciences
- Physical Sciences
- Plant Science and Plant Products
- Research, Technology and Engineering
- Rural and Agricultural Sociology
- Taxonomic Classification of Organisms

Browse

[Up to the AgNIC Partnership Home Site](#)

Browse the collection of partner created / submitted resources based on the National Agricultural Library Thesaurus (NALT)

Click to open Subject Category or Term Collections
Click to close Subject Category or Term Collections
Click the term next to to search by that term

This feature is best viewed using any of the following browsers
 Camino, Firefox, Opera, Safari.

Where is Microsoft Internet Explorer (MSIE)?
The features in this part of the site, are not accessible from MSIE 6.x, however they have been tested and work on the soon to be released MSIE 7.0

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