

CWIS



Edward Almasy

Co-Director, Internet Scout
ealmasy@scout.wisc.edu

AMSER: The Applied Math and Science Education Repository

- One of the first Pathways projects
- Started from scratch in 2004
- Focused on community and technical colleges

The screenshot shows the AMSER website homepage. At the top, there is a search bar with the text "You are not logged in." and a "search:" label. Below the search bar is the AMSER logo, which consists of a stylized 'A' and 'M' followed by the text "AMSER" and "APPLIED MATH AND SCIENCE EDUCATION REPOSITORY". To the right of the logo are navigation links: "Home", "Resources", "Bulletins", "About", and "Help".

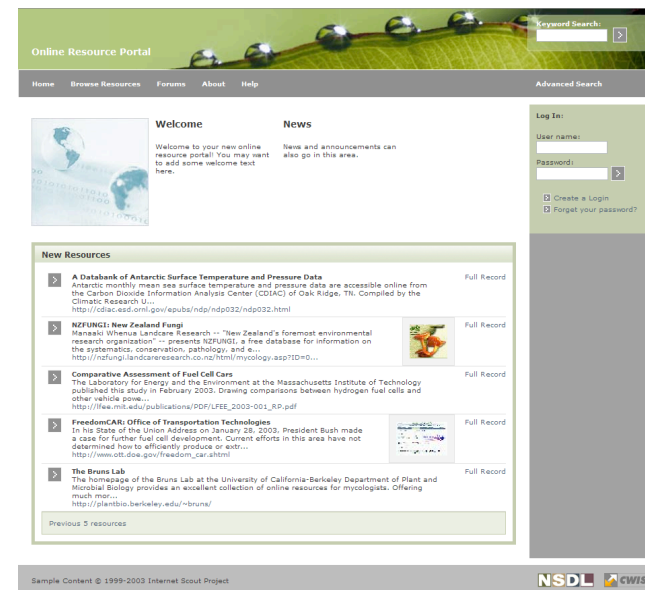
The main content area is divided into several sections:

- new resources:** This section lists several resources with brief descriptions and "more info" links. The resources listed are:
 - Music Acoustics:** The Music Acoustics Web site is maintained by the University of New South Wales School of Physics. General topics covered include what a decibel is, what...
 - USGS CoreCast:** Just about everyone seems to be creating a podcast these days, and a number of government agencies have entered the fray as of late. The United States...
 - Pathology Case Study: Skin and Soft T...:** This is a case study presented by the University of Pittsburgh Department of Pathology in which a woman complained of a painful lesion on her left foot after...
 - TrafficSTATS:** Working as part of a joint venture, Carnegie Mellon University and the AAA Foundation for Traffic Safety have created the Traffic Statistics on Travel Safety...
 - Nationwide Rivers Inventory:** The Nationwide Rivers Inventory (NRI) is a listing of more than 3,400 free-flowing river segments in the United States that are believed to possess one or more...
- welcome:** This section contains a welcome message and information about the repository. It states: "AMSER is a portal of educational resources and services built specifically for use by those in Community and Technical Colleges but free for anyone to use." It also mentions that AMSER is funded by the National Science Foundation as part of the National Science Digital Library and is being created by a team of project partners led by Internet Scout.
- log in:** This section contains a login form with fields for "Username:" and "Password:" and a "GO" button. There is also a link for "forget your password?".
- why log in?:** This section contains three sub-sections:
 - Manage your resources:** Save, organize, and share resources that you find.
 - Receive recommendations:** Find out about new resources that other users like you find to be the most useful.
 - It's easy, fast, and FREE!**
- people:** This section features a profile for George Washington Carver, born a slave in 1864, who contributed significantly to agricultural research. His creative chemistry served to revitalize the economy of the war torn South. He encouraged poor farmers to practice plant rotation and soil building techniques using nitrogen producing legumes.

At the bottom of the page, there are several logos for partner organizations: Copyright 2007 Internet Scout, National Science Foundation, NSDL, The University of Wisconsin, and Internet Scout. There is also a "Leave Feedback" link.

CWIS: A Turnkey Collection Development/Portal Toolbox

- Open source
- Runs in standard PHP and MySQL
- Developed for NSDL by Internet Scout
- Turnkey: up and running in less than 10 minutes



The FUN WORKS

...for careers You Never Knew Existed.

WELCOME

This Web site is about careers. Not just the interesting one about people have, but the ones YOU can have. Don't know where to start? Well, dive right in:

- EXPLORE many different areas, not just the ones that seem obvious.
- TRUDGE about what you enjoy. See where it leads you.
- EXPERIENCE lots of ideas.

You may not know now exactly what you want to do as an adult, but this site will help you start. Discover who you are what you like to do, and what you do best.

Not sure what to click on? Try taking this quiz to help you figure out what to do next!

Go directly to [Math](#) or [Science](#) careers.

keyword search

keyword search

Teachers and Log-In Only

Links: Education Development Center, Inc., All Rights Reserved.

Journal of Chemical Education

Published by the Division of Chemical Education of the American Chemical Society

Subscriptions | Software Orders | Support | Contributors | Advertisers

JCE DLB Home

This is the metadata catalog area of the *Journal of Chemical Education Digital Library* (JCE DLB).

JCE DLB Catalog

JCE DLB Catalog

Advanced Search

New Resources

- Pipe Machines, Valves, and Phase Diagrams (DUPLICATE)** Full Record
- Pipe Machines, Valves, and Phase Diagrams** Full Record
- A Dramatic Classroom Demonstration of Limiting Reagent Using the Vinegar and Sodium Hydrogen Carbonate Reaction** Full Record
- New Observations on the Copper-to-Silver-to-Gold Demonstration** Full Record

Learning and resources from projects across the U.S. shared nationally to improve policy and practice in increasing the numbers of students pursuing STEM careers

resource library

The NSF ITEST Learning Resource Center provides information about and links to a variety of resources related to the major themes of the ITEST program. Educators, policy-makers and researchers concerned with expanding the interests and skills of students and teachers in the fields of Science, Math, Engineering and Technology (STEM) will find our resources useful. The focus and organization of our resources are around the following themes:

Accessability (10)
 Cultural Relevance in Education (2)
 Equity/Diversity (58)
 Evaluation (15)
 Informal Learning Settings/Approaches (6)
 Innovative Uses of Technology for Learning (31)
 IT Career Opportunities/Interests (22)

ITEST LRC Publications (61)
 ITTEST Projects (430)
 Participant Identification, Recruitment, Retention (8)
 Partnership/Community Involvement (11)
 STEMT Content & Standards (53)
 Sustainability (15)
 Teaching/Learning Technologies (40)

To Access Resources:

- Click on one of the themes above
- Conduct a keyword search (located on the righthand navigation bar)
- Conduct an advanced search (also located on the righthand navigation bar)

For ITEST Projects:

- Click here to access ITEST Evaluation Instrument Database

home | about itest | itest projects | events/conferences | publications | resource library | projects login | contact us | accessibility

CAUSE

causeweb.org

Consortium for the Advancement of Undergraduate Statistics Education

A national organization whose mission is to support and advance undergraduate statistics education, in four target areas: resources, professional development, outreach, and research.

CAUSE NEWS:

- November Webinars Recap**
- Teaching Probability in Statistics Education**
- Going to JMP CAUSE**
- NSDL Milestones**

Michigan eLibrary

Michigan.gov

MeL Databases

MeL Pathfinders

MeL Catalog

MeL Multisearch

MeL Michiganiana

MeL Best of the Web

Library of Michigan

LIFE SCIENCES SUBJECT INFORMATION PORTAL

SEARCH

Enter a word:

MEMBERS AREA

Home

What's New

Forum

Help

Site Map

LINKS AREA

Chinese National Science Digital Library

Phy. & Maths Portal

GSDL

Science, Technology, Engineering, and Mathematics (STEM) Resources

SEARCHING ASSISTANCE

Resource of Interest!

Making science accessible

WISE (the Web-based Inquiry Science Environment)

ACCESS NSDL

ACCESS NSDL

CONNECT with accessible resources

NEW ACCESSIBILITY RESOURCES:

- The Media Access Group at WEB
- How the Caption Center, Descriptive Video Service and the National Center for Accessible Media
- A Rich Media Accessibility Resource Center
- W3C Web Accessibility Initiative
- Accessible Software Guidelines
- FNVT: Physics Interactive Video Tutor

NETWORKS

KEYWORD SEARCH

INSTANT NEWS & UPDATES

SEARCH NETWORKS DIGITAL LIBRARY

KEYWORD

SUBJECT

AUTHOR

TITLE



CWIS Feature List

METADATA TOOL

- completely configurable schema
- 14 fundamental data types
- comes with fully-qualified Dublin Core
- field viewability and editability may be set per-user
- one-click vocabulary and taxonomy import
- one-click controlled vocabulary export
- multi-modal term selection interface

USER INTERFACE

- support for multiple custom interfaces
- complete PHP/HTML separation
- hooks for functionality customization
- user interfaces assignable on a per-user basis
- built-in customization guide and tools
- multiple pre-packaged subject-oriented “themes”

USER PARTICIPATION

- resource rating
- resource commenting/discussion
- tracking of recent comments
- user account import and export
- integrated usage tracking support

SEARCHING

- keyword searching
- fielded searching
- synonym support
- saved searches
- one-click searching
- REST-compliant search URLs
- field weighting
- phrase support
- “My Searches” feature
- term exclusion

BROWSING

- dynamically-generated browse UI
- multiple taxonomy support
- resource count per classification
- breadcrumb navigation

RSS

- configurable RSS feed export
- multiple RSS feed import
- context-based RSS feed display

OAI

- OAI 2.0 export with qualifiers
- configurable CWIS/OAI field mapping
- configurable CWIS/OAI qualifier mapping
- any controlled field usable as OAI sets
- OAI-SQ (search via OAI) support

USER PARTICIPATION

- resource rating
- resource commenting/discussion
- tracking of recent comments
- user account import and export
- integrated usage tracking support

RECOMMENDER SYSTEM

- Amazon.com-style recommendations
- content-based recommender
- field weighting support
- configurable on a per-field basis

ACCESSIBILITY

- W3C/WAI compliant interface
- accessibility wizard
- ACCLIP metadata field support
- “Access Match” resource highlighting

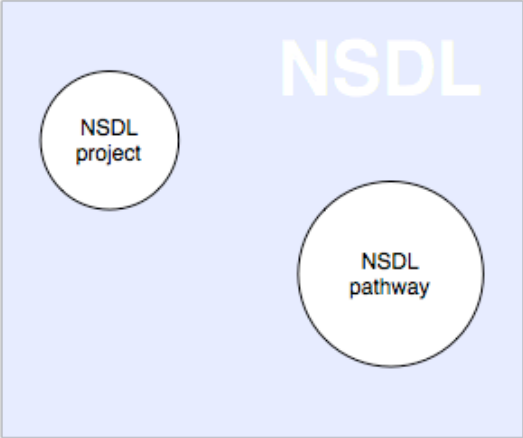
TECHNOLOGY

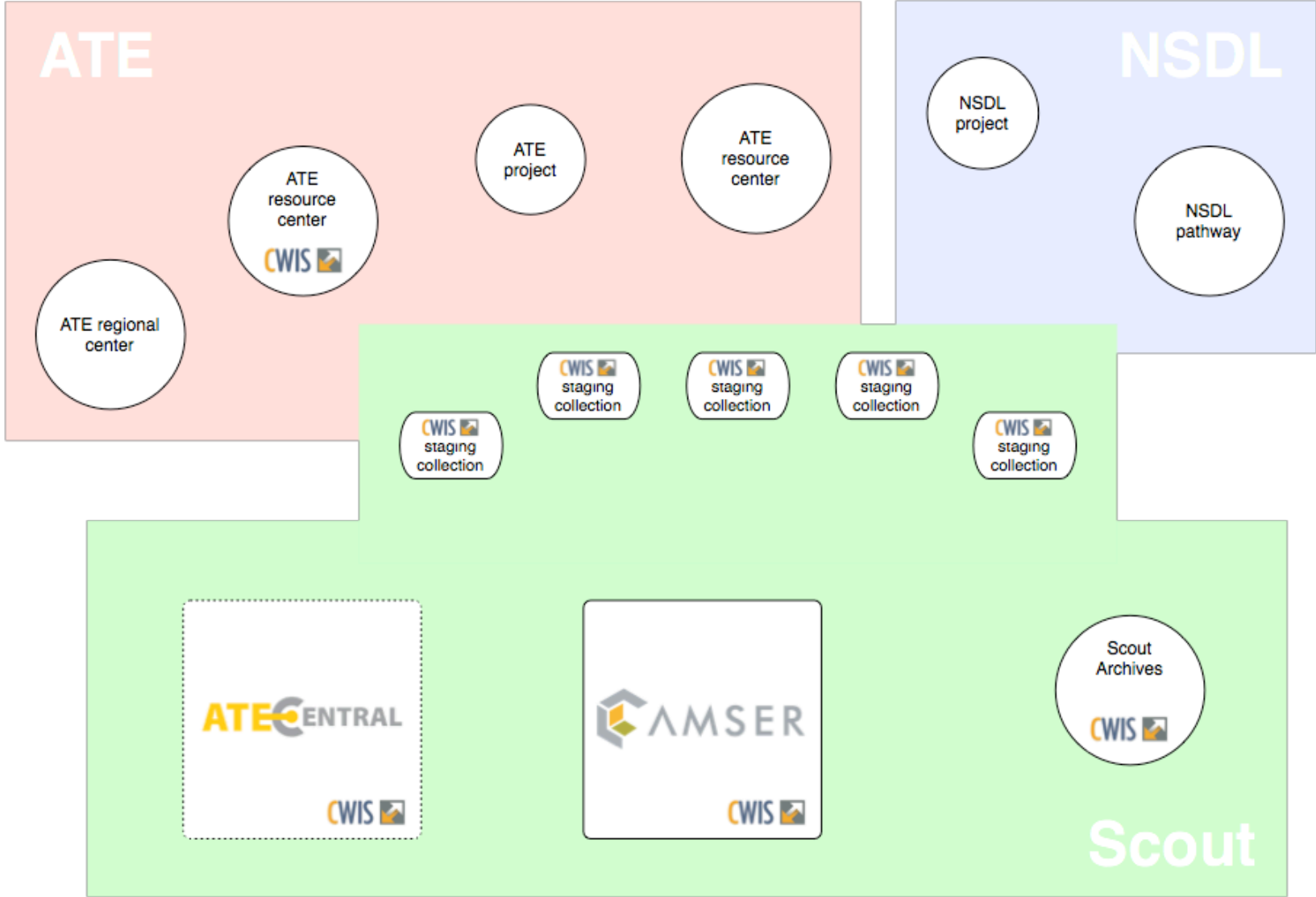
- a turnkey package
- PHP/MySQL based
- integrated SQL caching to reduce DB load
- root/sysadmin server access not required
- Linux, Solaris, OS X supported

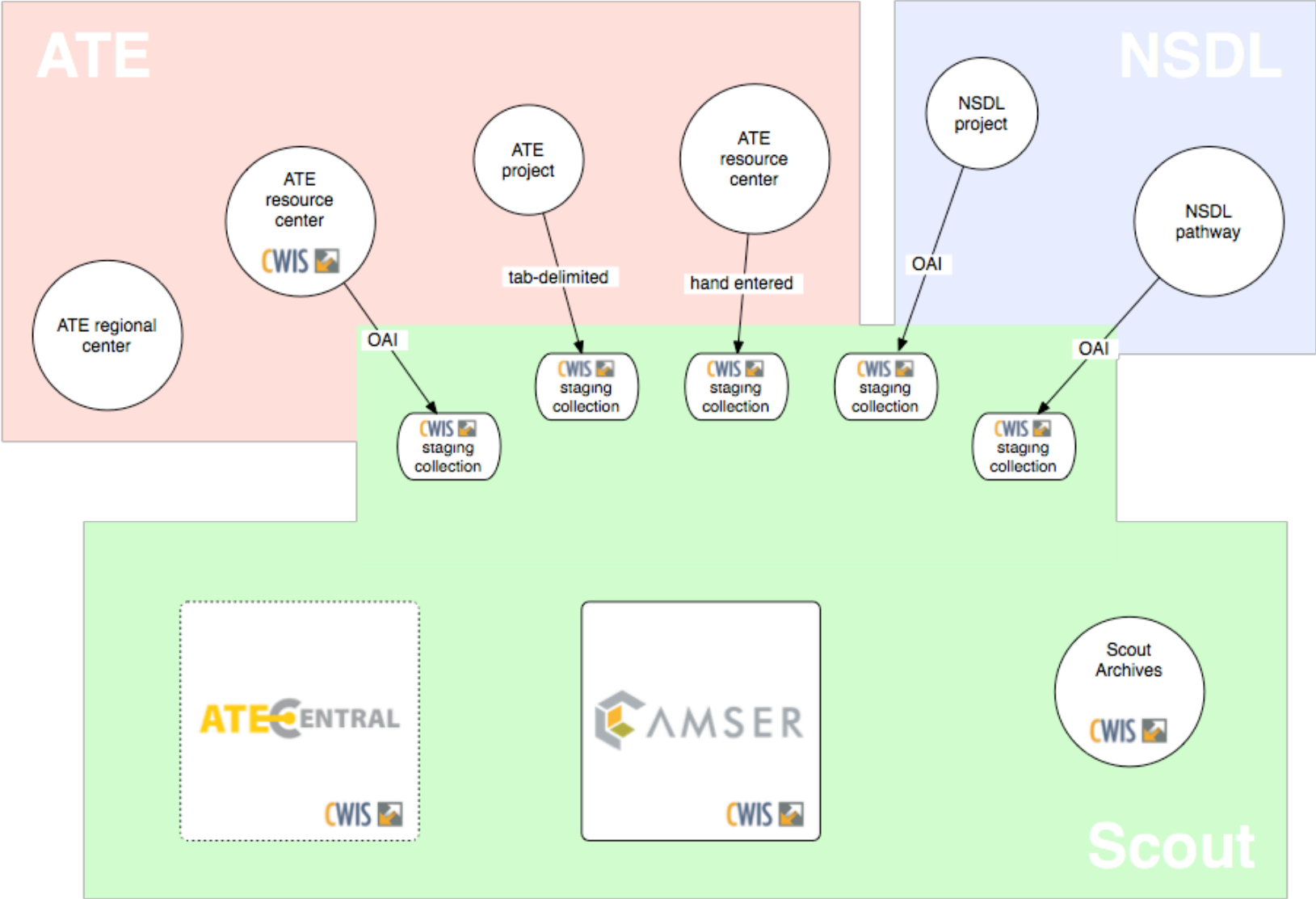
Integrating Resources into AMSER

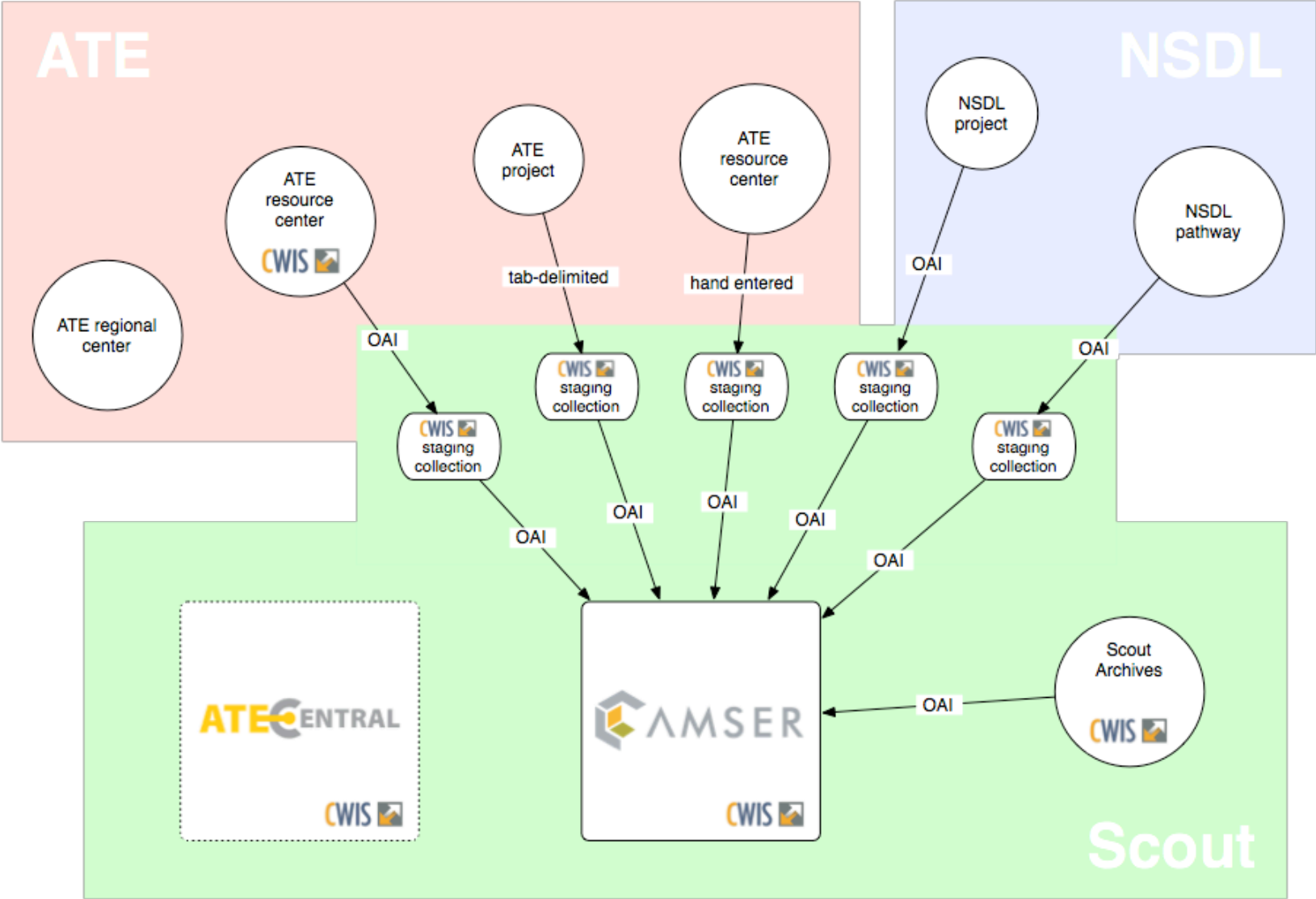
- Diverse sources (NSDL, ATE, Scout, other online collections)
- Diverse schemas and vocabularies
- Normalization challenges
- Cataloging challenges

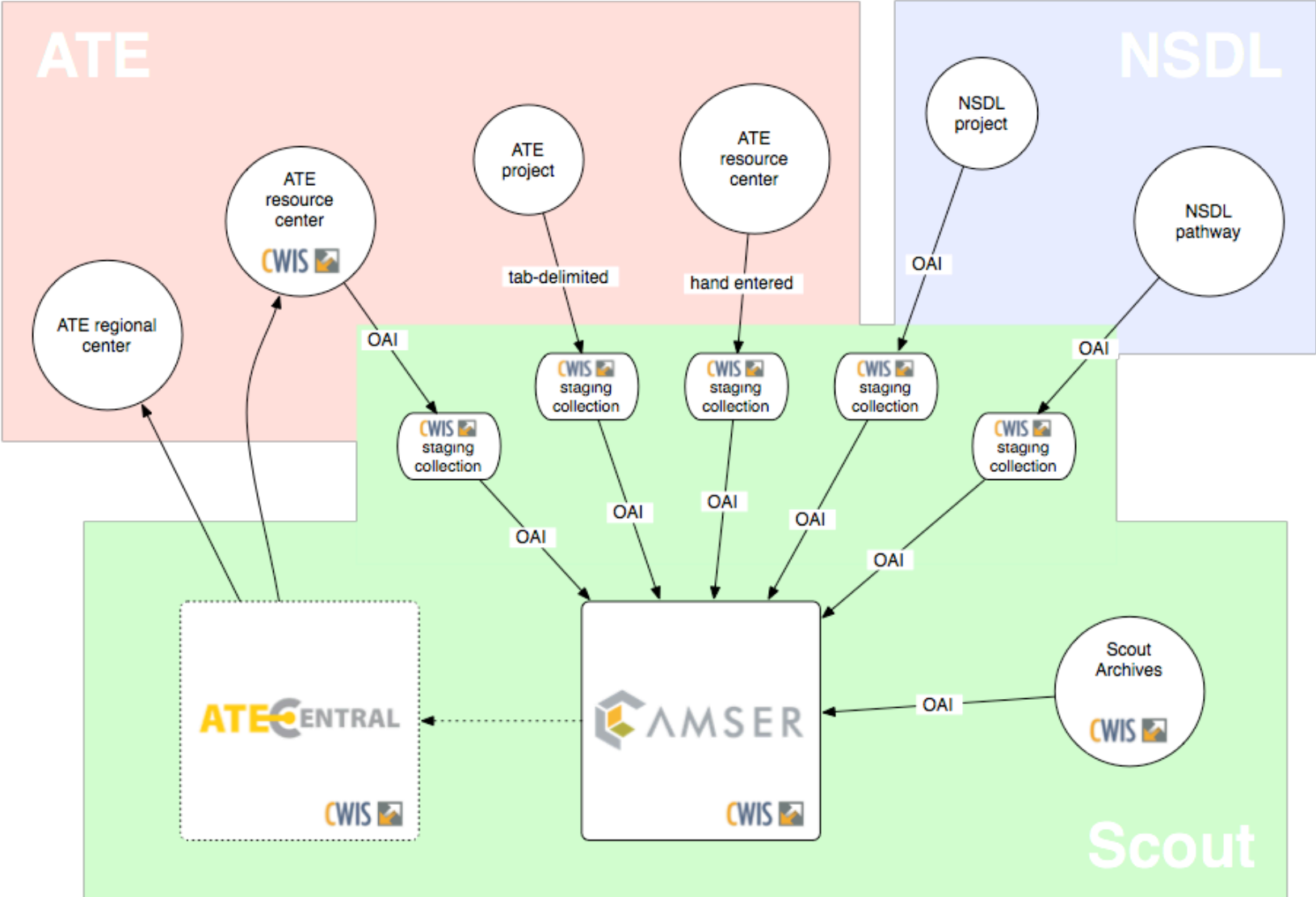
The screenshot displays the AMSER (Applied Math and Science Education Repository) website. At the top, there is a search bar with a 'go' button and a 'You are not logged in.' notification. The main header includes the AMSER logo and navigation links for Home, Resources, Bulletins, About, and Help. The page is divided into several sections: 'new resources:' on the left, 'welcome' in the center, and 'log in:' on the right. The 'new resources:' section lists several items with brief descriptions and 'more info' links. The 'welcome' section contains introductory text and two images. The 'log in:' section includes a login form with fields for Username and Password, and a 'get your own login' link. At the bottom, there are logos for partner organizations like NSDL, The University of Wisconsin, and Internet Scout, along with a 'Leave Feedback' link.











Things We've Learned

- “Sandboxes” can save substantial time and effort
- Fielded search is at least as important for collection development as it is for users
- Powerful collection tools save time but also result in higher-quality metadata

CWIS



<http://scout.wisc.edu/cwis>



Edward Almasy

Co-Director, Internet Scout
ealmasy@scout.wisc.edu