

MERLOT

- **Multimedia Educational Resource for Learning and Online Teaching**
- **Putting Educational Innovations into Practice**

Common Issues in Education

- **Institutions invest in developing instructional software without provisions for:**
 - **Quality Control**
 - **Dissemination**
 - **Sustainability**
- **Faculty often work in isolation while developing online courses**
- **Lack of quality, interactive, web-based learning materials**

Vision & Mission

- **MERLOT'S VISION** is to be the place where faculty from around the world will share teaching-learning materials and pedagogy.
- **MERLOT'S MISSION** is to improve the effectiveness of teaching & learning by expanding the quantity and quality of peer-reviewed online learning materials that can be easily incorporated into faculty designed courses.

TYPES OF MODULES

- **Simulations**
- **Animations**
- **Tutorials**
- **Drills & Practices**
- **Quiz/Tests**

- **Lecture/Presentations**
- **Case Studies**
- **Collections**
- **Reference Materials**
- **Podcasts**

Participation in MERLOT

- **User**
- **Submitter**
- **Author**
- **Peer Reviewer**
- **Virtual Speakers Bureau**

Discipline Communities



Biology

Business

Chemistry

Engineering

**Health
Sciences**

History

**Information
Technology**

Math

Music

Physics

Psychology

Statistics

**Teacher
Education**

**Teaching &
Technology**

**World
Languages**

MERLOT Editorial Discipline Boards

- **Organized like journal editorial board**
 - **Editor (may be co-editors)**
 - **Board Members**
 - **Associate Editors**
 - **Peer Reviewers**

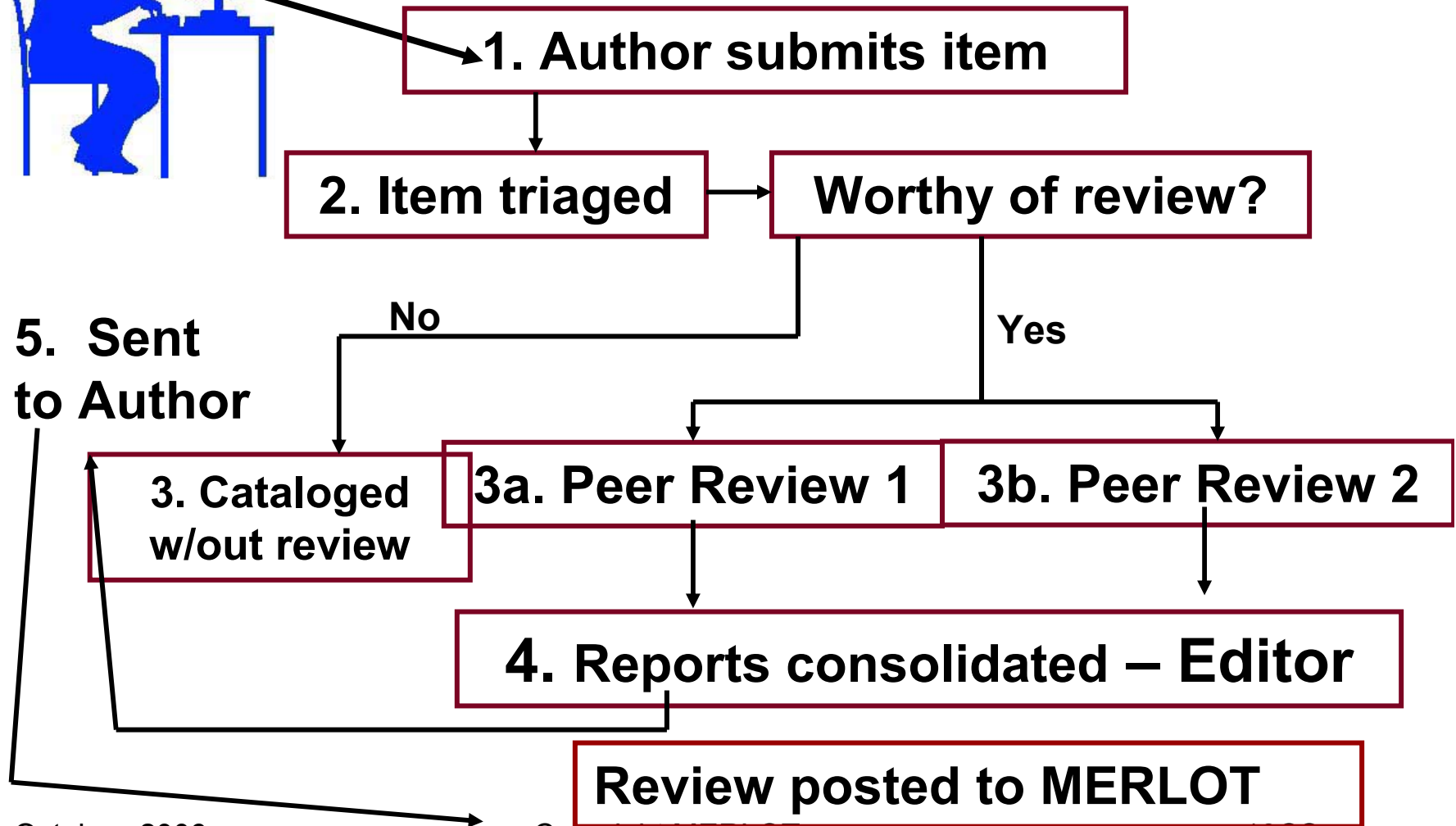
Differences - MERLOT vs. Journal

- **Evaluate teaching materials, not research articles.**
- **MERLOT has a Peer Review Tutorial**
- **Actual Peer Review appears on MERLOT site, so everybody can read what has been evaluated**

Review Criteria

- **Quality of Content**
 - Core to the discipline's curriculum, e.g., lower division requirement
 - Content difficult to teach and learn
 - Prerequisite to more advanced learning
- **Potential Effectiveness as a Teaching Tool**
 - Stage of of the learning process
 - Learning objectives and outcomes
 - Target audience
- **Ease of Use**
 - Directions, user feedback, documentation, intuitive, attractive, etc.

Peer Review Process





1. Quality of Content

- Current and relevant
- Accurate information
- Clear and concise
- Informed by scholarship
- Completely demonstrates concepts
- Flexibility
- Integrates/summarizes concept well

Quality of Content

- **Validity may be reflected in several ways...**

- **i.** Does it accurately depict reality?
- **ii.** Is it valid compared to convention or other resources?
- **iii.** Is the content complete in scope without missing important and relevant information?
- **iv.** Is the content current and up-to-date?
- **v.** Is the accuracy consistent throughout the material?
- **vi.** If the site contains links to other resources, are these resources valid?

Quality of Content

Significance may be reflected in several ways...

- **i.** Does the content cover core curriculum within the discipline?
- **ii.** Is the content a pre-requisite for understanding more advanced material in the discipline?
- **iii.** Does the content cover material that is difficult to teach/learn?
- **iv.** Is the significance consistent throughout the material?
- **v.** If the site contains links to other resources, are these resources appropriate?



2. Potential Effectiveness as a Teaching Tool

- Specifies learning objectives
- Identifies prerequisite knowledge
- Is very efficient
- Reinforces concepts progressively
- Builds on prior concepts
- Demonstrates relationships between concepts



3. Ease of Use

- Is easy to use
- Has clear instructions
- Is engaging
- Has visual appeal
- Is Interactive
- Uses effective navigation techniques
- All elements work as intended

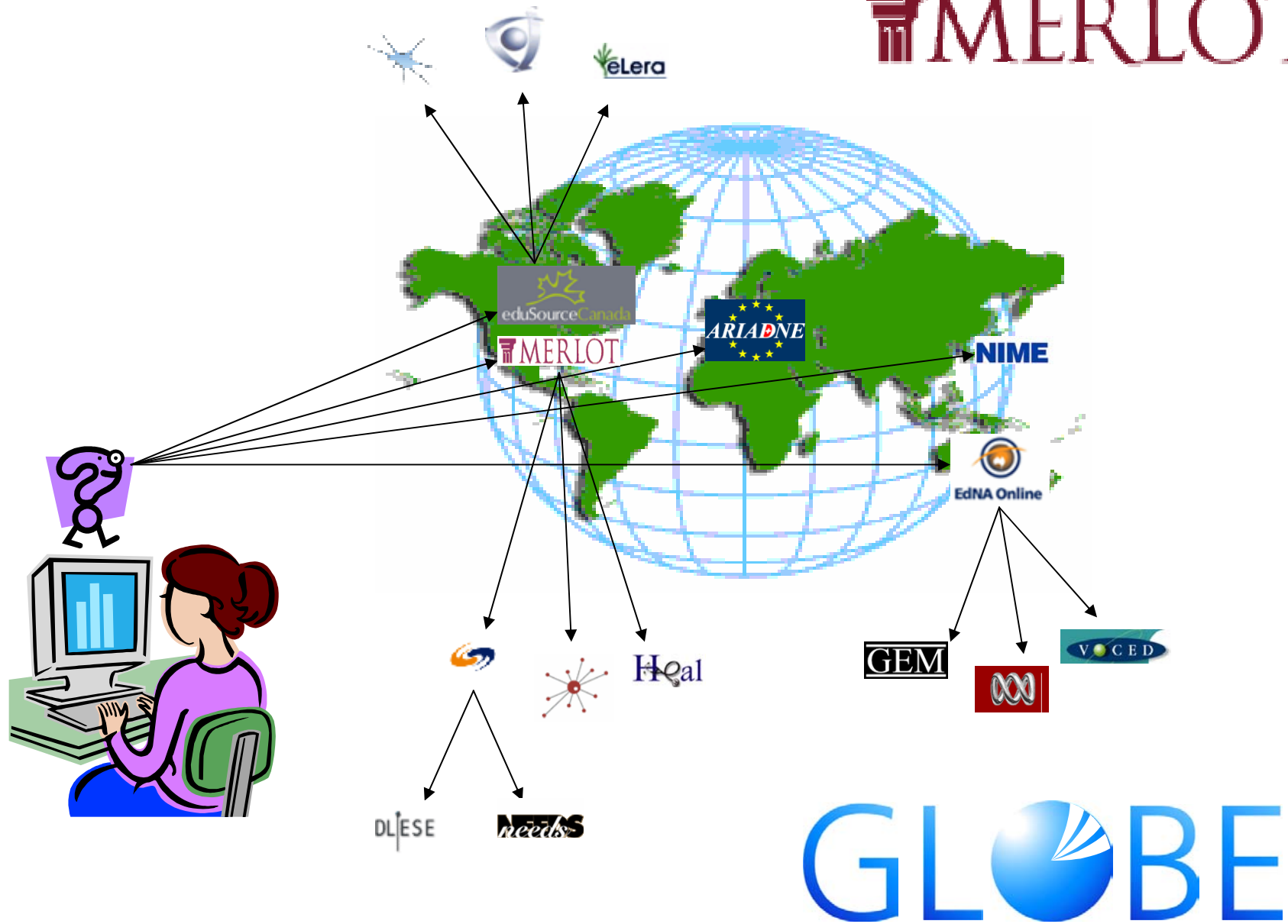


Leveraging the World's Collection of Learning Objects

Global Learning Object Brokered Exchange to expand the quantity and quality of online educational resources that can be easily incorporated into faculty designed courses.

- ARIADNE (European Union), EdNA (Australia), eduSource (Canada), NIME (Japan), and MERLOT (US) are the founding “stewards” of GLOBE.
 - Partnership of digital libraries that have sustained institutional constituents

MERLOT



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