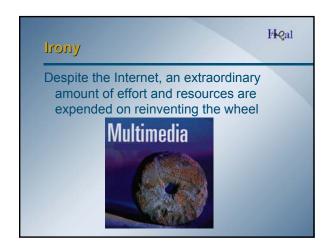
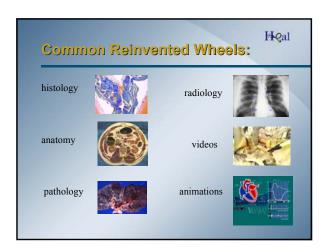


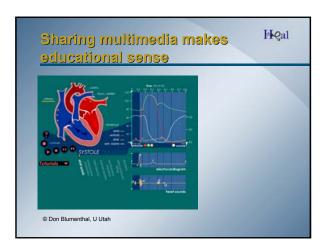
Overview Introduction and Background HEAL Vision and Goals The HEAL Application The HEAL Metadata Schema The HEAL Federation Summary

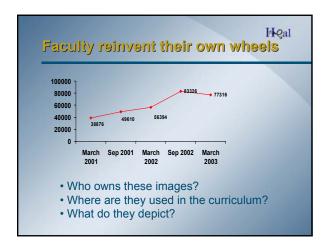












Needs Digital multimedia for teaching and learning Single "portal" for finding teaching materials and judging their quality Infrastructure for multimedia exchange Tools for organizing and management of multimedia locally Mechanism that facilitates repurposing of materials







HEAL Vision

The vision of HEAL is to become a premier, national resource for all levels of health sciences educators by providing free and easy access to a large number of high-quality health educational materials.

Heal

HEAL Goals

Heal

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- Facilitate access to free, high-quality multimedia resources
- Promote sharing of resources
- Foster interoperability of resources
- Build a sustainable infrastructure

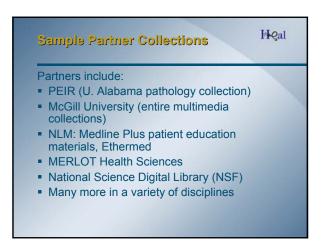
Goal 1 Improving access to free resources

Building a collection Health science education Patient and consumer education Multimedia: Images, videos, animations, applets, etc. Currently prototype collections (3000 items) By 2004 collection of 50,000+ items

Heal Collection scope "Typical" undergraduate med ed curriculum. Initially, basic sciences: Gross Anatomy Genetics Histology Pathology Physiology Microbiology Biochemistry Epidemiology Neuroscience Pharmacology Molecular Biology Also: consumer, patient education materials Later: clinical health sciences (cases)

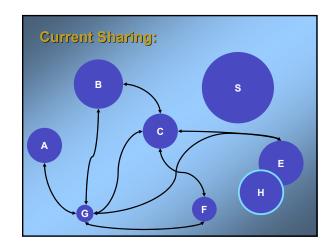
Building the HEAL Collection

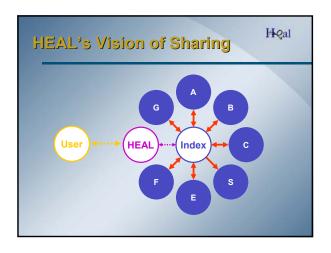
- Through partnerships with other collections
- Over 60 institutions and individuals have expressed interest in partnering
- Core set of partners for next 2 years to increase HEAL collection

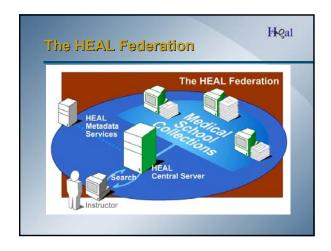


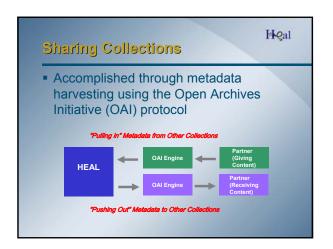


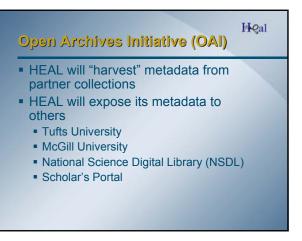


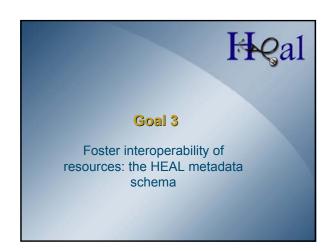


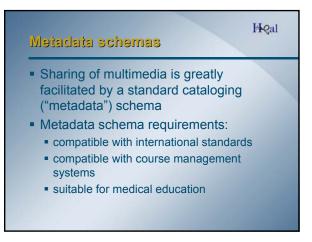


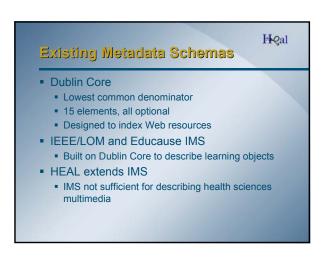


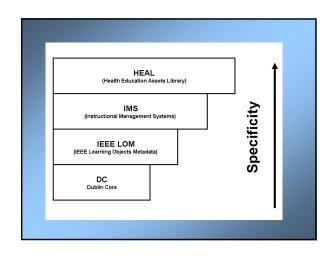








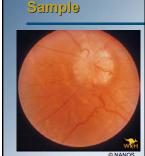




HEAL Metadata Specification

Heal

- Provides elements to describe basic medical multimedia
- Balance between usability and sufficiency
 - 26 content elements
 - 8 required elements
- Broad support important → RFC
- Version 1 released Summer 2002
- Adopted by other Ilios, UCSF's course management system
- Future "extension" sets will describe more sophisticated items (e.g. cases, lectures)



Collection: EHSL - William F. Hoyt Neuro-Ophthalmology Collection

Ophthalmology Collection

Identifier: P_47a.jpg

Title: Chronic papilledema with pseudo

dusen drusen

Creator: William F. Hoyt, M.D.
Subject: Papilledema Complications
Description: Meningioma. Pseudo drusen

Description: Meningioma. Pseudo druse from chronic papilledema.
Publisher: Spencer S. Eccles Health Sciences Library, University of Utah Contributors: Date. Original: 1960 Date. Digital: 2002 Resource Type: Image Format. Use: JPEG Format. Use: JPEG Format. Use: JPEG Format. Greation: Right eye - pair with P_47b Coverage: William F. Hoyt, M.D. Language: Relation: Right eye - pair with P_47b Coverage:

Coverage:
Rights Management: North American Neuro Ophthalmology Association (NANOS), Copyright 2002. For further information regarding the rights to this collection, please

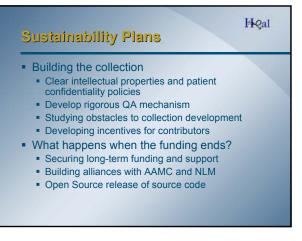
Holding.Institution: Spencer S. Eccles
Health Sciences Library, University of Utah

Heal Using HEAL's Metadata Schema

- See documentation on Web site
- You can extend the schema to meet your own needs



Heal **HEAL** partners National Library of Medicine NSF National Science Digital Library





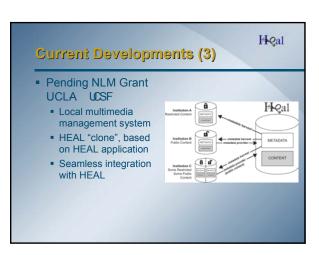
Current Developments (1)

- **2002 2004**
 - National needs assessment survey
 - Collection development, increasing both breadth and depth

Heal

- Working with partners to add collections
- Peer review process
- Usability studies
- Separate portals for consumers and professionals

Current Developments (2) New NLM grant 2003-2006 Develop a more sophisticated searching system Advanced searching algorithms UMLS (Unified Medical Language System) for controlled vocabulary Concept mapping Create training materials



Heal: It is a national repository to facilitate sharing. It is a federation of collections. Works with others to define standards. It is an open, collaborative effort.

Thank you! Heal Web Site: http://www.healcentral.org/ HEAL national survey: http://apps.medsch.ucla.edu/misc/HEALsurvey/ HEAL E nail address: info@healcentral.org E nail Sebastian Uijtdehaage: bas@ucla.edu