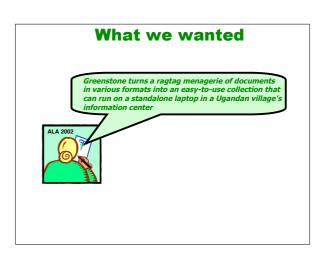


# **Tutorial exercises**

Installing Greenstone (local library version) (#1)
Small collection of HTML files (#2)
Simple image collection (#3)
Collection of Word and PDF files (#4)
The Tudor collection of HTML files (#5, 6, 7, 8)
The Beatles multimedia collection (#9, 10)
The Niupepa newspaper collection (#11, 12)
Customizing the appearance of collections (#13)
A bibliographic collection (#14)
Open Archives Initiative (OAI) collection (#15, 16)
Using METS as Greenstone's internal representation (#17)
Greenstone—DSpace conversion (#18, 19)





# What we wanted

- ❖ "Collections" of digital material
- Individualized, depending on metadata etc
- ❖ Up to several Gb of text ...
- ... + associated images, movies, whatever
- Fully searchable
- ❖ Served on WWW, or published on removable media
- Run anywhere, on any computer
- Fully internationalized
- ❖ Non-exclusive: documents and metadata in any format
- ❖ Non-prescriptive: standard and non-standard metadata

# Tutorial exercise #1 Installing Greenstone (local library version)

Self-installing CD-ROM

Greenstone

ImageMagick: yes

Ghostscript: yes

Copy sample\_files to desktop

Try the reader's interface

Librarian interface

Navigate to Home Folder\Desktop\sample\_files Right-click

# What we got: Greenstone

Access \*Accessible via any Web browser

- Server runs on anything (all Windows + Unix + Mac)
- ❖ Collections can be published on CD-ROM/DVD
- ❖ Trivial to install

Searching/ ❖ Collection-specific

browsing \*Full-text and fielded search

- Flexible browsing facilitiesMetadata-based (Dublin Core recommended)
- Creates all access structures automatically

Extensible Plugins — new document, metadata formats

❖Classifiers — new metadata browsers

Multi-\* ❖ Multilingual: Documents and interfaces

Multimedia: image, video, audio collections exist

Multiformat: Documents and metadata

# **UNESCO:** Distributing **Greenstone DL software**

## Sustainable development

"Give a man a fish, feed him for a day Teach a man to fish, feed him for life

# **Greenstone software on CD-ROM**

- **♦ GNU licensed**
- \*Fully documented ... in English/French/Spanish/Russian
- \*Language interfaces ... Arabic Chinese Czech ... Thai Turkish
- **<b>♦ Unix/Windows/Mac OS-X**
- ❖Trivial to install
- ♦ GUI interface for gathering, enriching, building ...
- **♦** Serve collections on Web or write them to CD-ROM
- Document formats: HTML, Word, PDF, PS, plain text, e-mail
- Metadata formats: XML, DC, OAI, MARC, ...

download from http://greenstone.org

# **Greenstone facts** Distribution ❖ Onen source: Gnu GPI Upen source: Gnu GPL Distributed via SourceForge since: Not Bonian Average downloads: 5000/month sinc Croatian Deutsch (Cerman) Humanitarian CD-ROMs produced: 30 Español (Spanish) Español (Spanish) Español (Spanish) Español (Spanish) Languages for interface: 50 International Languages for interface: 50 Languages for full software + manual: Galician Countries represented on email lists: UNESCO training courses in: Bangalore, Almaty, Dakar, Suva, Bangalore, Almaty, Dakar, Suva, UNESCO, Paris ("Information for All" proceedings of the Countries of United Serbian (Serbian UNU, Japan (CD-ROM collections of Ul Turkish Ukrainian) Liniversity of Well. Lini Onvo, Japani (CD-ROPI Collections of UlTurkish University of Waikato, New Zealand Indian Institute of Sciences, Bangalore University College, London University of Cons. Towns. Sciub. A Sci. Res. (Rassian) Technical centers ♦ University College, London University of Cape Town, South Africa University of Lethbridge, Canada □本語 (Japanes 汉诗 (Chinese)

# Sample collections (see greenstone.org)

International

Argentina Human Rights Commission
Tasmania State Library
Peking University Digital Library
Gresham College, London
Oxford Digital Library, University of Oxford
University of Applied Sciences, Suttigart
Library Commission
Indian Institute of Management, Kozhikode
Indian Institute of Management, Kozhikode
Indian Institute of Science, Bangolic Information Science
Vimercate Public Library, Milan, Italy
Netherlands Institute for Science Information Science
Mari El Republic, Russia
Slavonski Brod Public Library, Slovenia
Vietnam National University
Welsh Books Council

Auburn University, Alabama Detroit Public Library Hawalian Electronic Library Ibiblio project, University of North Carolina Illinois Wesleyan University LeHigh University, Pennsylvania New York Botanical Garden Iniversity of California at Riverside

New York Botanical Garden University of California at Riverside University of Chicago Library University of Illinois Texas A&M University Washington Research Library Consortium

# **Standards**

Metadata & Can use any metadata set, Dublin Core supplied

Plugins for

Refer OAI METS XML MARC CDS/ISIS ProCite **DSpace BibTex** 

METS can be used as Greenstone's internal representation

Serving . Web

Can publish Greenstone collections on CD-ROM

❖ Can publish Greenstone collections on OAI

Export collections to METS

Export collections to DSpace (ready for DSpace's batch import program)

Documents . Plugins for

PDF PostScript Word, RTF HTML Plain text Latex

ZIP Images (GIF, JPEG, TIFF ...)
EXCEI MP3
Ogg Vorbis
Email MediaWiki
Source code
RealMedia (e.g. for audio, MPEG, Midi)

# **Greenstone: Platforms**

- Operating system:
  - Windows (any version)
  - Linux (any version)
  - Unix (most versions, e.g. Solaris)
  - Mac OS X

# \* Restrictions:

- No longer runs under Windows 3.1/3.11
- For Librarian interface (GLI), need Javawhich is no longer supported on Windows 95

# **Local library vs Web library**

- ❖ Local library: stand-alone
  - Serves collections on a standalone And on others on the same network Includes built-in Web server
- Web library: uses external web server
- Windows: Both local library and web library
  - Normally use local library (else must set up server)
  - Web library works with Microsoft PWS, IIS
- Unix, Mac OS/10: Web library only
  - Use Apache (or other web server)
  - Linux binaries supplied
  - Tested on SUN Solaris, Mac OS/10
  - Need GDBM (standard on Linux)
- Greenstone developed on Linux

# **Documentation and help**

Manuals on the CD-ROM (gsdl/docs)

- From Paper To Collection (30pp)

Scanners and scanning, OCR, 3 examples – from 1,000 to 100,000 pages, Creating an electronic collection

Installer's Guide (36pp)

Versions of Greenstone, installation procedure, Greenstone collections, setting up the web server, configuring your site, personalizing your installation

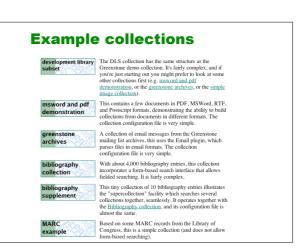
- **User's Guide** (90pp)

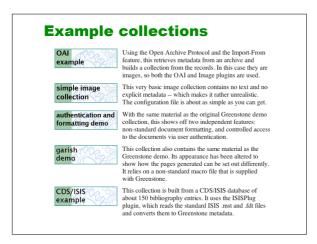
Overview of Greenstone, using Greenstone collections, the collector, administration, software features, glossary of terms

Developer's Guide (113pp)

Understanding the collection building process, getting the most out of your collections, the Greenstone runtime systems, configuring your Greenstone site



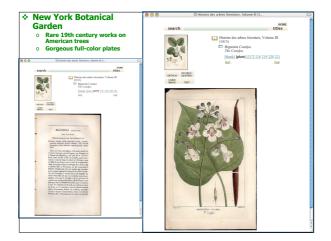


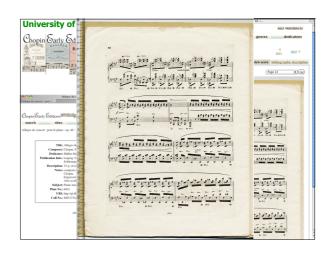




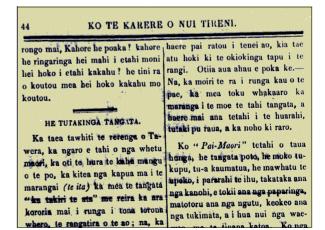


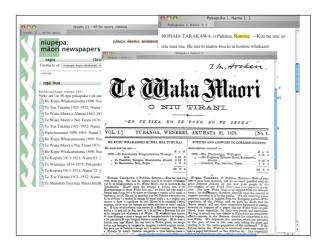








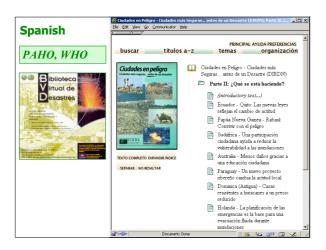


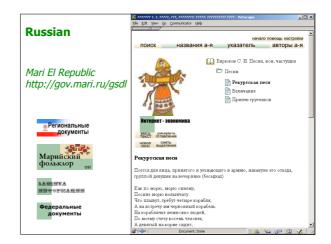










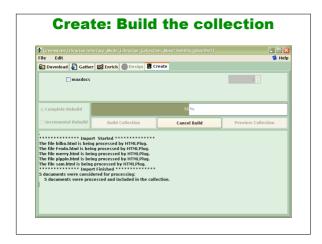






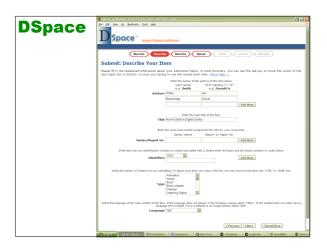




















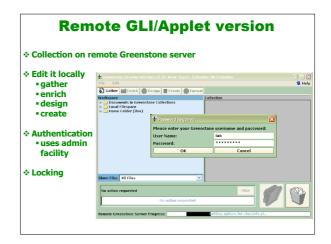


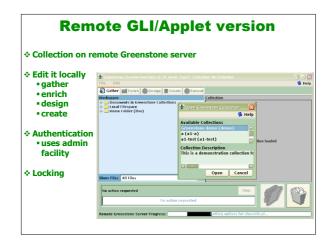






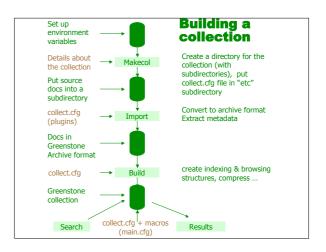


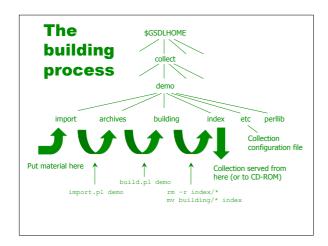


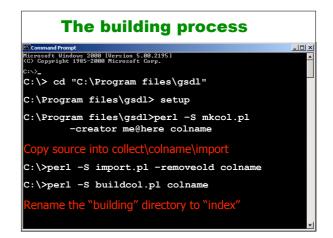


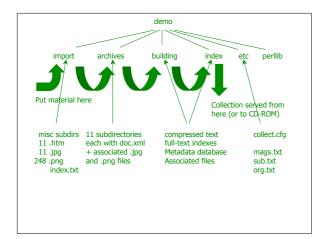






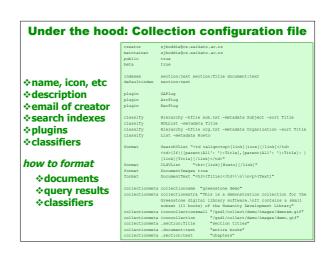


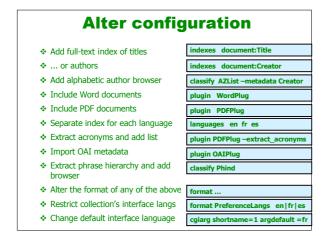




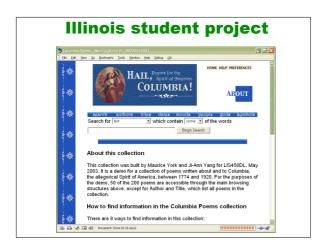


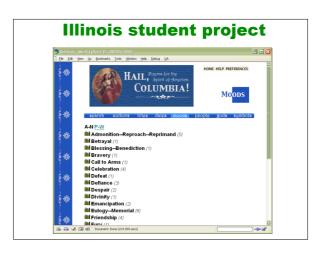


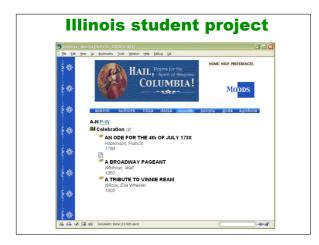


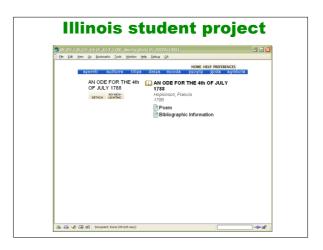


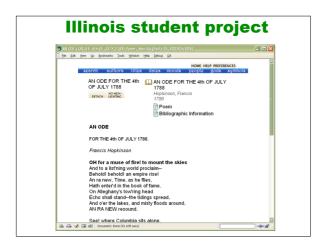














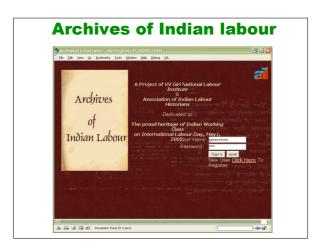






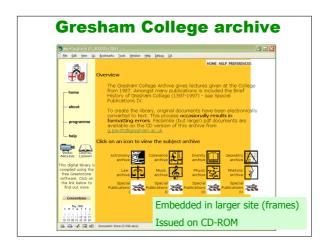


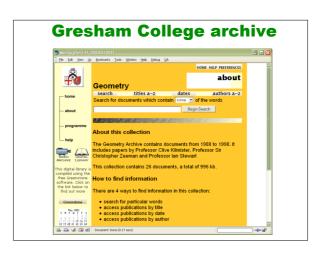


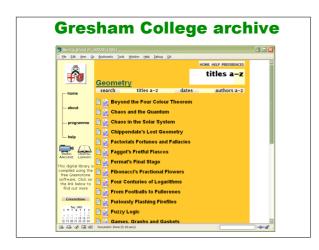
















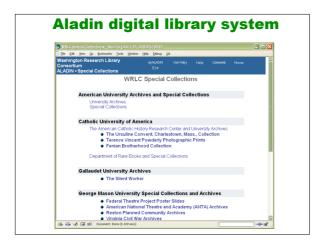


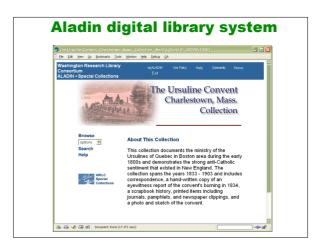


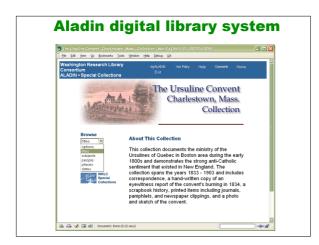


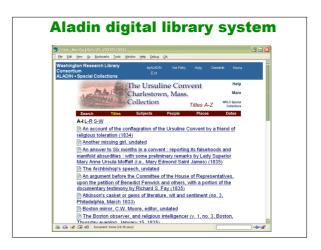


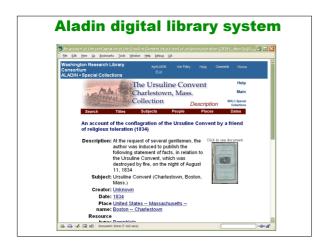


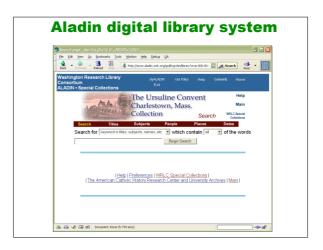


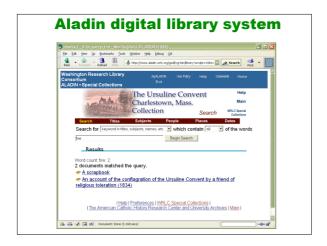














# The Greenstone documentation wiki • go to greenstone.org



