

Lab 1 (1 1/4 hours): Greenstone installation; browsing example collections

Part I – Installation and access of UNAIDS pre-built GREENSTONE collection

1. On inserting the **UNAIDS CD-ROM**, for many computers installation will begin automatically. If not, “auto-run”—a configurable setting under Windows—has been disabled on your computer and you need to double-click *setup.exe* on the CD-ROM.

My Computer → UNAIDS20 → setup.exe

2. The InstallShield Wizard begins to install the UNAIDS pre-built collection. Select the English language.
3. Click the **<next>** button.
4. Choose **[Run from CD-ROM (standard)]** as the setup type. This is the default and is already selected. Then click **<next>**.
5. Click **<next>** again to install the UNAIDS collection in the default folder, which is **C:\Program Files\UNAIDS Library 2.0 [CD-ROM]**.

[Installation Wizard copies the required files from CD-ROM to disk]

6. Click **<OK>** to confirm completion of UNAIDS collection (twice).

[InstallShield quits—the UNAIDS Library is installed.]

[Note: CD-ROMs like this one that contain pre-packaged Greenstone collections do not include the full Greenstone software. Instead they embody a mini version of Greenstone that allows you to view the collection but not to build new ones.]

Browse around UNAIDS collection:

7. Launch the prebuilt library by clicking:

Start → All Programs → UNAIDS Library 2.0 [CD-ROM] -> UNAIDS Library 2.0 [CD-ROM] (Standard Version)

[Note: To access Greenstone through the Local Library Server, it is sometimes necessary to turn off the proxy settings of the browser if they are being used. Greenstone normally detects this and pops up a window alerting you to the problem.]

8. Click **<Enter Library>** in the dialog box and your browser (typically Internet Explorer by default) will display the Greenstone home page.

9. Within the Web browser, click **titles a-z** (in the centre of the navigation bar near the top of the page).
10. Access the **first book** in the list of titles by clicking the **book icon** next to the title: *About UNAIDS*.
11. Use the scroll bar to view the full length of the page.
12. In the table of contents near the top, click the **page icon** next to the heading *Guiding principles of UNAIDS* to view this section.
13. Click the **page icon** next to the heading *Global and local impact* to view the next section.

[This style of interaction can be continued to further expand and contract folders and to switch to a different section.]

14. To fully expand the contents of this introduction chapter, click **Expand Document or Chapter** in the upper left portion of the page, under the picture of the document's front cover.
15. You can return to the currently selected page of document titles by clicking the **book icon** next to the title of the book at the top of the table of contents (this signifies closing the book). You also get to the document titles using **titles a-z** in the navigation bar, in this case to the titles beginning with A–D.

[Note: If the table of contents is open at the top level—showing all the chapters—then clicking **Expand Document or Chapter** expands the full document. For long documents, which take some time to load in, Greenstone seeks confirmation for this action: clicking 'continue' loads the full document.]

16. Browse around and peruse some other documents in the collection.

Searching the UNAIDS collection:

17. Access the search page by clicking **search** in the navigation bar.
18. In the query box under **Search for chapters in any language which contain some of the words**, enter the term **gender** then click **<Begin Search>**.

[After a short pause, the Web browser loads a fresh page showing the results of the search.]

19. Click the **page icon** for the **first matching document** in the result set (*Five Year Implementation Review of the Vienna Declaration and Programme of Action*) to view the document. Because the search was at the chapter level, you are taken directly to the matching chapter within the document.

20. Experiment further with searching, and with the interface in general. For example, there is a detailed **Help** page. It contains a **Preferences** section through which you can control some search settings.

The Preferences options in the UNAIDS collection are intentionally minimalist. Most collections have a separate Preferences button that offer more features—we will see an example in Part III of this lab, when browsing around the Demo collection that is supplied with the Greenstone software.

The home page of the UNAIDS library collection cycles through a sequence of front cover images, updated every 5 seconds or so. Clicking a particular image takes you directly to that document.

Leaving the UNAIDS Greenstone library:

21. There are two ways of leaving Greenstone:

- a. Exit from the Greenstone Software server. Click on the **Greenstone Software** in the task bar, then choose **Exit** from the **Browser Selection and Settings** menu (or click on the exit hotspot, the red cross at the top right). The Greenstone Software exits, but your web browser continues to run.
- b. Exit from your web browser. Leave your web browser in the usual way. The Greenstone server detects when you exit from the browser and generates a popup window that asks whether to close down the server as well. (The reason is that other people may be using Greenstone over the network, and should not be rudely terminated.)

For completeness, we now uninstall the UNAIDS library collection. However, perhaps you should wait until you have done the treasure hunt at the end of this lab before doing this:

22. Make sure you have quit the Greenstone Library Server.

23. Click:

Start → All Programs → UNAIDS Library 2.0 [CD-ROM] → Help-Utilities-
Uninstall → Uninstall UNAIDS 2.0

24. The popup window asks, “Are you sure you want to completely remove UNAIDS Library 2.0 and all of its components?” Answer **<Yes>**.

[Files are deleted]

25. Click **<OK>** to finish the uninstalling process.

Part II – Installation of the Greenstone toolkit

Insert the workshop CD-ROM.

If the installation doesn't start, use a right-mouse click on **GSDL Fiji 05** and select **Open** to view the contents of the workshop CD-ROM. Double-click *setup.exe* to initiate installation:

My Computer → GSDL Fiji 05 → setup.exe

[InstallShield pops up a window while it performs some preparatory checks.]

1. Select a language to be used for the installer. English is the default.
2. The InstallShield Wizard begins to install the Greenstone software. Click **<Next>**.
3. Accept all the terms of the license agreement by selecting "I accept the terms of the license agreement" and clicking **<Next>**.
4. Click **<Next>** to install Greenstone in the default folder, which is **C:\Program Files\Greenstone**
5. Choose **[Local library (recommended)]** as the type of setup. This is the default and is already selected. Then click **<Next>**.
6. Set the admin password [**for purposes of workshop, use "admin", which happens to be the default provided.**]
7. InstallShield provides a summary of what is about to be installed. Click **<Install>** to begin the installation process.

[InstallShield copies the required files from CD-ROM to disk and creates an uninstaller, which can take a few minutes.]

[Note: if the right version of Java is not already on your computer you will be asked to install it at this point. This may require a restart of your computer.]

8. If prompted, click **<Finish>** to finish installation of the Greenstone Local Library.
9. You will be asked whether to install the ImageMagick image processing package. You should install this if you have not done so before (or if you are not sure). Select all defaults in the installation dialog until you are asked whether you wish to **view index.html**, which you do not need to do.
10. Check the installation by clicking

Start → Programs → Greenstone Digital Library Software → Greenstone Digital Library.

[Recall from Part I: to access Greenstone through the Local Library Server, it is sometimes necessary to turn off the proxy settings of the browser. Greenstone normally detects this and pops up a window alerting you to the problem.]

11. Click on **<Enter Library>** in the dialog box, and your browser should display the Greenstone homepage.

Part III – Browsing example collections

1. Access the Demo collection, which is a small subset of the *Humanity Development Library*, and briefly explore its content through browsing and searching.

Additional features:

2. Access this collection's Preferences page by clicking the **Preferences** button at the upper-right corner of the page.
3. Change the interface language to **French** using the pull-down menu adjacent to **Interface language**. The Preferences page will reload automatically in the new language, which will also be used for all subsequent pages.
4. Change the interface language back to **English**.
5. Switch the presentation format from **Graphical** to **Textual** by changing the pull-down menu next to **Interface format**. The current page will automatically reload as text only, and subsequent pages will be text only too.
6. Change the interface format back to **Graphical**.
7. Set the **query mode** to **advanced** and the **query box** to **large**; then click **<Set Preferences>**.
8. Access the query page by clicking the **search** button in the navigation bar.
9. Enter a **Boolean** query that searches for **entire documents** on the topic of crocodile or alligator farming.

[Note: if required, the end of this section shows exactly how to formulate this query.]

10. Peruse the search results list. Do all the documents seem to pertain to the desired topic? Remember, you can load the entire document using the 'expand text' feature.

If you have time, consider the following:

11. To learn more about searching and browsing, see the on-line, collection-specific, help.

12. If always having to click on <**Enter Library**> after starting the library program seems tedious, you can automate this step through the Greenstone Digital Library Software window. Select **File→Settings**, switch on **Enter library automatically on startup**, and click <**OK**>. Next time, when you next run the library program the web browser will launch automatically.

You can use the same **Settings** panel to specify which Web browser to launch for the library, and control which port the server runs on.

For item 9 above, the necessary Boolean search can be entered as:

(crocodile | alligator) & farming

Part IV – Extra exercises

Treasure hunt in UNAIDS collection:

1. How many publications are there in the collection?
2. How many documents are there that mention *Australia* in the title?
3. How many top-level subject categories are there?
4. What does AAVP stand for?
5. What does AIDS stand for?
6. Considering lower case variants only, how many times does the word “condom” appear in the collection? How many times for “condoms”?
7. If case sensitivity does not matter, how many times does the word “condom” appear in the collection? How many times for “condoms”?
8. If word endings are ignored, how many times does “condom” and variants such as “condoms” appear in the collection?
9. How many *documents* contain some variations of the word “condom”? Does this make it a useful search term?
10. What year saw the first reported case of AIDS in New Zealand?

Browsing other collections:

11. Have a look at some of the other sample collections in your newly installed digital library.
12. Other Greenstone collections can be found at <http://www.nzdl.org> and <http://www.greenstone.org>.