

# Greenstone

# Sommario

- ◆ Esempi di Biblioteche Digitali basate su Greenstone
- ◆ Modalità di ricerca e di browsing in Greenstone
- ◆ **Come creare una collezione di documenti**
- ◆ Come funziona Greenstone
- ◆ Come personalizzare una collezione di documenti

# Sommario

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- ◆ **Esempi di Biblioteche Digitali basate su Greenstone**
  - ◆ **Modalità di ricerca e di browsing in Greenstone**
  - ◆ **Come creare una collezione di documenti**
  - ◆ **Come funziona Greenstone**
  - ◆ **Come personalizzare una collezione di documenti**

# Caratteristiche generali

- ◆ **Greenstone è un sistema di gestione di Biblioteche Digitali sviluppato presso il New Zealand Digital Library Project alla University of Waikato**  
**(<http://www.greenstone.org/cgi-bin/library>)**
- ◆ **Greenstone fornisce servizi per**
  - **Costruire collezioni di documenti**
  - **Permettere la ricerca e l'accesso ai documenti**

# Tipi di dati gestiti

- ◆ L'informazione viene organizzata in **collezioni** composte di **documenti**
- ◆ I documenti possono essere rappresentati in una varietà di formati (Word, PDF, postscript, tiff, jpeg, ecc.) e vengono convertiti in una forma standard per la loro indicizzazione.
- ◆ I documenti possono inoltre contenere **testo, immagini, audio, video**, ecc.
- ◆ I documenti non testuali possono essere associati a documenti testuali che ne forniscono la descrizione oppure possono avere una serie di metadati che vengono utilizzati per la ricerca e per il browsing

# Biblioteche Digitali che usano Greenstone

## ◆ Alcuni esempi

- Archives of Indian Labour  
→ <http://www.indialabourarchives.org/>
- Chopin Early Editions  
→ <http://chopin.lib.uchicago.edu/>
- Lehigh University Digital Bridges Collection  
→ <http://bridges.lib.lehigh.edu/index.html>
- Mirabilia Vicomercati  
→ <http://www.mirabilavicomercati.org/sezioni/006/index.html>
- New York Botanical Garden  
→ <http://www.nybg.org/bsci/libr/rolen/page1.html>
- Project Gutenberg  
→ <http://public.ibiblio.org/gsd1/cgi-bin/library.cgi?a=p&p=about&c=gberg>
- State Library of Tasmania Sheet Music Collection  
→ <http://greenstone.statelibrary.tas.gov.au/>
- Washington Research Library Consortium Special Collections  
→ <http://www.aladin.wrlc.org/dl/>

## ◆ The New Zealand Digital Library

→ <http://www.sadl.uleth.ca/nz/cgi-bin/library>



A screenshot of a Microsoft Internet Explorer window displaying a historical document from 1813. The title is "Histoire des arbres forestiers, Volume III (1813): TOME III: Frênes.: Bignonia -i>Catalpa-/-i>". The page shows a detailed botanical illustration of a Bignonia Catalpa tree branch with leaves and flowers. Below the image is a search bar with the word "search". To the right, there are navigation links for "HOME", "PREFERENCES", and "titles". A sidebar on the right lists page numbers: [blank], [plate], [217] (selected), 218, 219, 220, and 221. At the bottom, there are buttons for "DETACH", "NO HIGH-LIGHTING", "LARGE IMAGE", and "TEXT". The main content area contains the following text:

**BIGNONIA CATALPA.**

THE CATALPA.

*Bignonia* engelmanniae. Link. Flav. des Bignonias, Juss.

*BIGNONIA catalpa*; *folia simplicia*; *stems*, *carduatae*; *punctulatissimae*; *floribus diandriis*; *latis maculis* *purpureis* et *latis adspersis*; *exserta gracili*, *tangit*, *terret*.

Dans les Etats atlantiques, c'est sur les bords de la rivière Savannah, près d'Augusta, en Géorgie; et à l'Ouest des Alleghans, sur ceux de la Cumberland, entre les 35° et 30° de latitude, qu'on commence à trouver dans les forêts le *Catalpa*; mais au-delà de ces limites, vers le Sud, il est plus abondant, et toujours dans le voisinage des rivières qui se jettent dans le Mississippi, ou qui traversent la Floride Occidentale. On n'a assuré que cet arbre croît surtout quelque part le long de la rivière Escambia ou Coconechu, à l'embranchure de laquelle est située Pensacola. Ce qui est néanmoins assez remarquable, c'est que le *Catalpa* n'existe pas dans la partie basse des deux Carolines, de la Géorgie, non plus que dans la Floride Orientale, qui sont situées si près des endroits où il croît naturellement dans les bois, et où ceux qui y ont été plantés comme arbres d'ornement, devant les maisons, poussent avec une vigueur extraordinaire. Dans ces contrées Méridionales, le *Catalpa* parvient à une assez grande

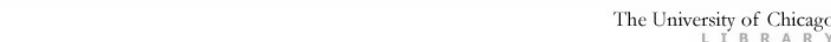
The screenshot shows a web browser window with the following details:

- Title Bar:** Histoire des arbres forestiers, Volume III (1813): TOMÉ III.: Frênes..: Bignonia <i>Catalpa...
- Menu Bar:** File Modifica Visualizza Preferiti Strumenti ?
- Address Bar:** Indirizzo http://image2.nybg.org/cgi-bin/nybg.exe?e=d-0nybg--00-0-0-010---4---Document-big-s Vai Collegamenti
- Search Bar:** Google Cerca nel Web 705 bloccati Opzioni
- Content Area:**
  - Left Panel:** A thumbnail image of a botanical illustration of a tree branch with leaves and fruit.
  - Text:** Go to page number: [text input field] go
  - Buttons:** DETACH, NO HIGH-LIGHTING, SMALL IMAGE, LARGE IMAGE
  - Text:** Pl. 6.
  - Section:** **Bignonia Catalpa. *Catalpa.***
  - Text:** Bessa, illustrator.  
Gabriel, engraver.
  - Right Panel:** A detailed botanical illustration of a Bignonia Catalpa plant. It features a large, deeply lobed leaf with a central stalk and several clusters of flowers. The illustration is labeled with letters A, B, C, and numbers 1, 2, 3, 4, 5, 6. Below the illustration, the text reads: Bignonia Catalpa. Catalpa. Besso del Gabriel engraver.

## ■ Chopin Early Editions



[view score](#) [bibliographic description](#)



Chopin Early Editions

## HELP PREFERENCES

## search

## titles

## **uniform titles**

## genres

## dedicatees

### Adieu à Varsovie : rondeau /

[view score](#) [bibliographic description](#)

**UniformTitle:** Rondos, piano, op. 1, C minor

**Title:** Adieu à Varsovie : rondeau /

Title: "Adieu à Varsovie," rondeau in C min. op. 1

**Composer:** Chopin, Frédéric, 1810-1849.

**Composer:** Fontana, Julian, 1810-1865.

**Publication Info.:** London (No. 67, Frith Street, Corner of Soho Square). Wessel & Co., importers and publishers of foreign music, [ca. 1840] Nouv. éd. corr.

**Description:** 13 p. of music ; 34 cm.

**Notes:** composé par Frederic Chopin

Caption title.

"Edited by I. [i.e. J.] Fontana"--List t.p.

Engraved. Price: 4/-.

Also available on the Internet.

**Subjects:** Rondos (Piano)

## Piano music.

Plate No.: W & Co. No. 1423

Plate No.: 1423

URI: <http://pi.lib.uchicago.edu/1001/dig/chopin/124>

Call No.: M25.C54R21 c.1

Page 2

Page 2

Go

The image shows a page from a musical score. At the top left, there is a small toolbar with icons for zooming and navigating. On the left edge, a vertical ruler scale is visible, ranging from 1 to 25. The title "ADIEU à VARSOVIE." is centered at the top, followed by "RONDEAU Composé par FREDERIC CHOPIN." Below the title, it says "Nouvelle Édition Corrigée.". The music is written for two staves in 2/4 time, B-flat major. The first staff is for the right hand (piano) and the second staff is for the left hand (piano). The tempo is marked as (♩ = 108). The dynamics include *p.*, *p.t.a.*, *loco.*, *gva.*, and *loco.*. The score consists of four systems of music, each starting with a repeat sign and ending with a double bar line and repeat dots.

# Documenti in Greenstone

- ◆ Documenti strutturati (gerarchia)
- ◆ Documenti testuali non strutturati
- ◆ Immagini di pagine di documenti
- ◆ Immagini di pagine e testo riconosciuto via OCR
- ◆ Audio e immagini fotografiche
- ◆ Video
- ◆ Musica

# Testo strutturato gerarchicamente

- ◆ **Table of contents**
- ◆ **Capitoli sezioni, sottosezioni, etc.**
- ◆ **Esempio:** Humanity Development Library  
→ <http://www.nzdl.org/>

# Modello documenti gerarchico

Documento

Sezione

Titolo

I metadati possono essere associati ad ogni livello del documento

The screenshot shows a Microsoft Internet Explorer window displaying the 'Food First Curriculum for Grade 6 Students' document. The page includes a header with links for File, Modifica, Visualizza, Preferiti, Strumenti, Indietro, Avanti, Termina, Aggiorna, Pagina iniziale, Cerca, Preferiti, and Multimedia. The URL in the address bar is <http://www.sadl.uleth.ca/nz/cgi-bin/library?e=d-000-00--0fnl2%2e2--00-0-0-prompt-10---4----0-1l-1-en-50---20-about>. The main content area features a thumbnail image of the curriculum cover, search and titles links, and a subjects menu. A sidebar on the right lists various sections of the curriculum, each with a small icon and a title. Two specific sections are highlighted with black boxes and blue arrows pointing from the labels 'Documento', 'Sezione', and 'Titolo' on the left to the corresponding levels of the hierarchy in the sidebar.

- Food First Curriculum for Grade 6 Students (FF, 1984, 146 p.)**
  - (introduction...)
  - Acknowledgements
  - To Harry Chapin
  - Flowers are red
  - Foreword
  - Introduction
  - Unit I - Why do people around the world do things in so many different ways?
  - Unit II - Where does our food come from?**
    - Unit III - How do we get our food?
    - Unit IV - Why are people hungry?
    - Unit V - Who is hungry in the U.S.A.?
    - Unit VI - What can we do?
    - Resource guide
    - About the institute for food and development policy...
    - About the author...

# Modello documenti gerarchico

Sezione

Sottosezione

The screenshot shows a web browser displaying the "Food First Curriculum for Grade 6 Students (FF, 1984, 146 p.)" document. The page includes a header with links for File, Modifica, Visualizza, Preferiti, Strumenti, Indietro, Avanti, Termina, Aggiorna, Pagina iniziale, Cerca, Preferiti, and Multimedia. Below the header is a toolbar with icons for Back, Forward, Stop, Refresh, Home, Search, Favorites, and Multimedia. The main content area features a navigation bar with links for search, titles a-z, subjects, and organisations. A large thumbnail image of the curriculum book is centered. To the right of the thumbnail is a list of activities under the heading "Unit III - How do we get our food?". Blue arrows from the left margin point to the "Unit III" heading and the first activity in the list, illustrating the hierarchical structure. At the bottom of the page, there are buttons for EXPAND TEXT, EXPAND CONTENTS, DETACH, and NO HIGH-LIGHTING.

Food First Curriculum for Grade 6 Students (FF, 1984, 146 p.)

Unit III - How do we get our food?

- Introduction
- Activity one - Visit to a supermarket
- Activity two - Processed foods-What's the difference?
- Activity three - What's in the package ?
- Activity four - Petroleum palace restaurant
- Activity five - Food ads-What's in them for me
- Activity six - What path did my food take?



Operaione completata



Internet

Biblioteche Digitali

Esempi – Il sistema Greenstone

# Testo non strutturato

- ◆ **Testo continuo**
- ◆ **La struttura del documento non è conosciuta dal sistema di biblioteca digitale**
- ◆ **Il Browsing è più difficile in queste condizioni**
- ◆ **Le pagine del documento possono non corrispondere alle pagine fisiche del libro**
- ◆ **Si può avere questa situazione nel caso in cui un libro, un giornale, ecc. sono stati digitalizzati e su di essi è stato fatto OCR**
- ◆ **Esempio: Project Gutenberg Collection**  
→ <http://public.ibiblio.org/gutenberg/cgi-bin/library.cgi?a=p&p=about&c=gberg>

# Testo non strutturato

The Abbot's Ghost, Or Maurice Treherne's Temptation \_ A Christmas Story: 2 - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indietro Avanti Termina Aggiorna Pagina iniziale Cerca Preferiti

Indirizzo http://public.ibiblio.org/gsdj/cgi-bin/library?e=d-000-00---Ogberg--00-0-0-0-prompt-10--- Vai Collegamenti

Google Cerca nel Web 710 bloccati Opzioni

search titles a-z HOME HELP PREFERENCES authors a-z

**The Abbot's Ghost, Or  
Maurice Treherne's  
Temptation \_ A  
Christmas Story  
by Barnard, A. M.**

page 2 (39 pages)

1 go to page 3

EXPAND TEXT DETACH

NO HIGH-LIGHTING

"It was General Snowdon and his charming wife. Maurice Treherne came while we were out, and I've not seen him yet, poor fellow!"

"Aye, you may well say that; his is a hard case, if what I heard is true. I'm not booked up in the matter, and I should be, lest I make some blunder here, so tell me how things stand, Major. We've a good half hour before dinner. Sir Jasper is never punctual."

"Yes, you've a right to know, if you are going to try your fortune with Octavia."

The major marched through the three drawing rooms to see that no inquisitive servant was eavesdropping, and, finding all deserted, he resumed his place, while young Annon lounged on a couch as he listened with intense interest to the major's story.

"You know it was supposed that old Sir Jasper, being a bachelor, would leave his fortune to his two nephews. But he was an oddity, and as the title must go to young Jasper by right, the old man said Maurice should have the money. He was poor, young Jasper rich, and it seemed but just, though Madame Mère was very angry when she learned how the will was made."

"But Maurice didn't get the fortune. How was that?"

Ese Internet

# Immagini di pagine di documenti

- ◆ **Immagini digitalizzate delle pagine dei documenti**
- ◆ **Accuratezza nel contenuto**
  - OCR è soggetto ad errori
  - È difficile replicare precisamente il formato di presentazione (layout) dell'originale
- ◆ **Maggiori occupazioni di spazio disco**
  - Una immagine digitalizzata richiede circa 20 volte lo spazio disco di una pagina di testo
- ◆ **Richiede maggior tempo per scaricare una pagina dal web**
- ◆ **È necessario fornire una descrizione testuale del documento per la ricerca**
- ◆ **È difficile evidenziare i termini della ricerca sull'immagine**

# Immagini delle pagine e Testo estratto

- ◆ **Vengono fornite sia le immagini delle pagine che il testo estratto con l'OCR**
- ◆ **La ricerca dei documenti viene effettuata usando il testo estratto**
- ◆ **Vengono visualizzate sia l'immagine della pagina che il testo estratto**
- ◆ **Esempio: Maori Newspaper Collection**
  - ➔ <http://www.sadl.uleth.ca/nz/cgi-bin/niupepalibrary?e=d-0niupepa--00-0-0-010---4----full---0-1I--1-it-50---20-about---00001-001-0utfZz-8-0&a=p&p=about>

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo  http://www.sadl.uleth.ca/nz/cgi-bin/niupepalibrary?e=d-0niupepa--00-0-0-0-010

cerca

PAGINA PRINCIPALE  
serieN. 2  
15 Marzo 1861

pagina 3 (12 pagine)

2      vai a pagina      4

FULLSIZE IMAGE PREVIEW IMAGE NUOVA FINESTRA

NON EVIDENZIARE



the Rev Mr. Buller, the Rev Mr. Stack, the Resident Magistrate, Captain Scott J. Brittain Esq., and other gentlemen in the of the Province , and in the civilisation and advancement subjects, occupied, the platform. The Town Hall was filled wi about forty five Maories present, of whom many were chiefs

The proceedings commenced by the Deputy Superintendent i Maories which was interpreted Para, graph by paragraph by Rangiora, to the following effect

Welcome, my Maori friends I bid you welcome in the name o Canterbury. I am glad to see you here the more so because it that I have called this meeting, in order that you may have an expressing your loyalty to our Queen, and your friendly feeling

It is a grievous thing to see the Maori and the white man at w wars had ceased in these islands and that there would have b the two races. But, alas it is not so.

It is not for me to enter upon the causes of the disputes which native tribes in the Northern Island to rebel against the severe course cannot but result in the ruin. f those who have been so

Your presence here today shows that you have no sympathy have done well in coming here, to shake hands with the Pake that you have no bad feelings in your hearts towards them an

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo  http://www.sadl.uleth.ca/nz/cgi-bin/niupepalibrary?e=d-0niupepa--00-0-0-010---4---text---0-1--1-it-50--20-about---00  Collegamenti >

cerca

PAGINA PRINCIPALE AIUTO IMPOSTAZIONI NZDL  
serie dateN. 2  
15 Marzo 1861

pagina 3 (12 pagine)

2      vai a pagina      4

TEXT PREVIEW IMAGE NUOVA FINESTRA



## TE MANUHIRI TUARANGI AND MAORI INTELLIGENCER.

3

the Rev. Mr. Buller, the Rev. Mr. Stack, the Resident Magistrate, the Provincial Treasurer, Captain Scott, J. Brittain, Esq., and other gentlemen taking prominent interest in the progress of the Province, and in the civilization and advancement of their Maori fellow-subjects, occupied the platform. The Town Hall was filled with spectators. There were about forty-five Maories present, of whom many were chiefs.

The proceedings commenced by the Deputy Superintendent reading an address to the Maories, which was interpreted paragraph by paragraph by the Rev. J. W. Stack of Rangiora, to the following effect :—

Welcome, my Maori friends! I bid you welcome in the name of the Pakehas of Canterbury!

Pura (Minita), ko Te Taka (Minita), ko te Kai-whakawa, ko Te Mahimana, ko Kapene Kote, ko Te Piritani, me etahi atu, ko nga tangata whakahaere tikanga o taua whenua, ko nga tangata e rapu whakaaro ana mo te Maori kia tupu haere ia i runga i te pai. Kapi tonu te whare i nga Pakeha me nga Maori, kei te whakarongo. Huihuia katoatia nga Maori, e wha tekau ma rima, he rangatira te nuinga.

Timataia ana te korero e Te Pouene, ko Te Taka te kai-whaka-maori. Tenei ianei tana korero :—

Tena koutou, e aku hoa Maori. Ka aroha atu ahau, me matou katoa nga Pakeha o Katapere, ki a koutou.

Hari ana taku ngakau, mo koutou ka kiatea mai, ina hoki, na koutou ake te whakaaro i karangatia ai e shan tenei runanga, kia .

# Altri tipi di documenti

## ◆ Audio ed immagini fotografiche

- Esempio: Oral History Collection, Mirabilia Vicomercati
  - ➔ <http://www.sadl.uleth.ca/nz/cgi-bin/library?a=p&p=about&c=ohist>
  - ➔ <http://www.mirabiliavicomercati.org/gsdl/cgi-bin/library?a=p&p=about&c=Foto&l=it>

## ◆ Video

- Esempio: Music Video Collection
  - ➔ <http://www.sadl.uleth.ca/nz/cgi-bin/library?a=p&p=about&c=musvid>

## ◆ Musica

- Varie rappresentazioni: spartiti, MIDI, musica sintetizzata, ecc.
- Esempio: Music Digital Library
  - ➔ <http://www.sadl.uleth.ca/nz/cgi-bin/music/musiclibrary>

## ◆ Lingue multiple

- Interfaccia e documenti
- Esempio: Arabic Collection
  - ➔ <http://www.sadl.uleth.ca/nz/cgi-bin/library?a=p&p=about&c=arabic&l=ar&nw=windows-1256>

# Audio

"Friday night was a big night in Hamilton" : the Golden Mile during the 1940s: Memories o...

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://www.sadl.uleth.ca/nz/cgi-bin/library?e=d-000-00---0hist--0-0-0-0prompt-10---4 Vai Collegamenti >

search titles a-z authors a-z

DETACH NO HIGH-LIGHTING EXPAND TEXT

"Friday night was a big night in Hamilton" : the Golden Mile during the 1940s

- Background
- Location
- Homelife
- Entertainment
- Education
- Memories of WWII**
- Education
- Employment
- Entertainment
- Fashion
- Awareness of local events
- Hamilton

 **Memories of WWII**

Remembers Patriotic Hut in Garden Place, patriotic parades, end of the war,

"That was a day everyone went absolutely mad...all the teachers went mad and everybody sort of zigzagged or lacongad or something..down from the school, down Ward Street and right down into town, everybody got lost. I think it was one day we were allowed just to do as we liked"

---

B

Esempi – Il sistema Greenstone

Internet

19



Mirabilia Vicomercati



Archivi

## Archivio Fotografico

PAGINA PRINCIPALE AIUTO IMPOSTAZIONI

**titoli**

[cerca](#) [titoli](#) [autori](#) [soggetti](#) [persone](#) [date](#)

A [B-C](#) [D-F](#) [G-I](#) [L](#) [M-N](#) [O-P](#) [R-S](#) [T-U](#) [V](#)



*Abitazioni della casa a corte di Via San Gerolamo*



*Abitazioni della casa a corte di Via San Gerolamo*



*Abitazioni della casa a corte di Via San Gerolamo*



*Abside della Chiesa di Santo Stefano*



*Abside della Chiesa di Santo Stefano*



*Abside della Chiesa di Santo Stefano*



*Abside della Chiesa di Santo Stefano*

# Immagini

# Musica

Search page - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

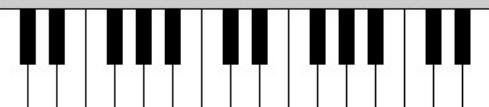
Indirizzo http://www.sadl.ueth.ca/nz/cgi-bin/music/musiclibrary?e=p-dp-or-000-00---0folkfull--00-0-0 C Vai Collegamenti >

HOME HELP PREFERENCES  
**search**

folkfull

search titles a-z browse

Symbolic Input Raw Audio Input



Add a rest

Duration

Information: Ready to record

Begin Search

Titles A-Z - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://www.sadl.ueth.ca/nz/cgi-bin/music/musiclibrary?e=d-dp-or-000-00---0folkfull--00-0-0 C Vai Collegamenti >

HOME HELP PREFERENCES  
**titles a-z**

folkfull

search titles a-z browse

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Y 0-9

A A A DER WINTER DER IST DA

ABDUL ABULBUL AMEER

A-Beginn' I Will Go

ABEND SINKT STILL AUF DIE FLUR

ABEND WIRD ES WIEDER

Abendlied

Abendlust

Abendstund

Abendreihen

Abendreihen

Abendreihen

Abendreihen

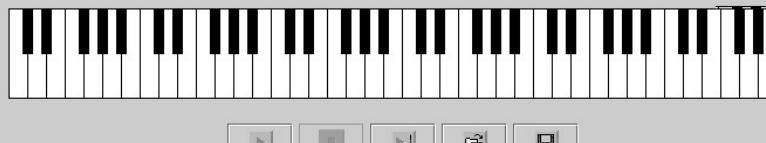
Abendreihen mit Kranzsingern

Aber Montag, da ist a Knoedltag, - wenns nur all Tag Montag Knoedltag waere

Abfertigung

Ahgewiesene Freier ( Drei Gesellen ) - Es war'n mal drei junge Gesellen

Audio Playback: Abendlust - Microsoft Internet Explorer



• Digitali

Esempi – Il sistema Greenstone

# Metadati

- ◆ **Forniscono informazioni relative ai documenti per facilitarne la ricerca e l'accesso**
- ◆ **Metadati estratti automaticamente e metadati inseriti manualmente**
- ◆ **Utilizzo sia di metadati standard che definiti dall'utente**
- ◆ **I valori dei metadati possono essere strutturati**

# Esempi di metadati

## ◆ Metadati bibliografici convenzionali

- Title
- Author
- Date
- Publication
- Volume Number
- Issue Number
- Page Numbers

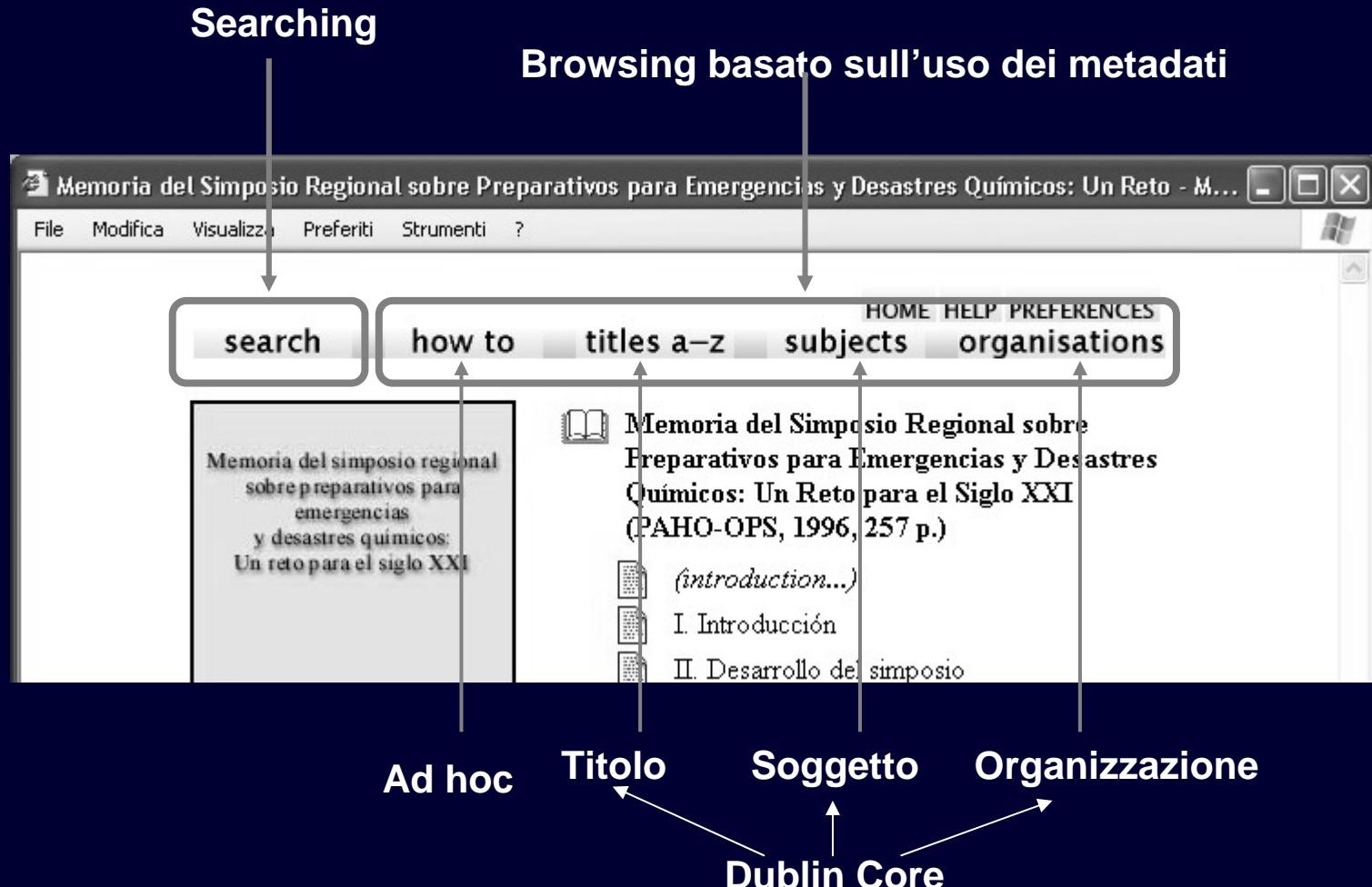
## ◆ MARC

## ◆ Dublin Core

# Sommario

- ◆ Esempi di Biblioteche Digitali basate su Greenstone
- ◆ Modalità di ricerca e di browsing in Greenstone
- ◆ Come creare una collezione di documenti
- ◆ Come funziona Greenstone
- ◆ Come personalizzare una collezione di documenti

# Searching e browsing



# Searching

- ◆ Tipi di interrogazioni (query) in Greenstone
- ◆ Case-folding e stemming
- ◆ Ricerca di frasi
- ◆ Diverse interfacce di interrogazione

# Tipi di interrogazioni

## ◆ **Interrogazioni booleane**

- Combina i termini dell'interrogazione con AND, OR, e NOT
- Corrispondenza esatta tra interrogazione e documenti trovati

## ◆ **Boolean Queries**

- Ad esempio trova tutti i documenti che parlano dell'Italia, che parlano dell'italia e di ambiente, dell'Italia ma non di ambiente
- Search "Italy", "Italy & Environment", "Italy !Environment"
- Exact match

## ◆ **Interrogazioni con ordinamento dei risultati in base alla loro rilevanza (ranking)**

- List di termini da trovare
- Corrispondenza non esatta tra interrogazione e documenti ritrovati (ad es. i documenti non contengono tutti i termini specificati)
- Ordinamento dei risultati in base alla loro rilevanza.
- Provare le stesse query "Italy Environment"

# Case Folding e Stemming

## ◆ Case folding

- Maiuscole e minuscole trattate allo stesso modo
- Non è rilevante per alcune lingue

## ◆ Stemming

- Riduce una parola alla sua radice (ad es. plurale → singolare, riduzione dei verbi all'infinito, ecc.)

## ◆ Non è appropriata per tutte le parti del documento

## ◆ Dipendente dalla lingua

# Ricerca di frasi

- ◆ **Ricerca di un gruppo di parole contigue**
- ◆ **Due diverse modalità di ricerca di frasi:**
  - Postretrieval scan
    - **Ricerca i documenti che contengono tutte le parole della frase**
    - **Determina se i termini sono consecutivi analizzando i documenti ritrovati**
    - **Richiede lo stesso indice usato per la ricerca delle parole singole, ma le ricerche possono essere lente**
  - Word-level index
    - **Viene effettuata la ricerca della frase utilizzando un indice specifico che contiene informazioni sulla posizione di ogni parola all'interno di ogni documento**
    - **Questi indici permettono di determinare se due termini sono consecutivi senza accedere al documento**
    - **Gli indici sono più grandi di quelli usati per la ricerca di singoli termini, ma la ricerca di frasi risulta più veloce**

# Diverse interfacce di interrogazione

- ◆ Ranked o booleana
- ◆ Fielded o non-fielded
- ◆ Case-folding and/or stemming
- ◆ Ranked o con lista dei risultati in ordine naturale
- ◆ Possibilità di usare una search history
- ◆ Attivazione delle diverse opzioni tramite l'uso delle preferenze

# Browsing

- ◆ Basato sui metadati associati ai documenti
- ◆ Browsing di liste alfabetiche (ad es. Titoli, soggetti, ecc.)

Titles A-Z - Netscape

File Edit View Go Window Help

Bookmarks Location /library?exp=0&demo=00-prompt=1-1011-1-en-50-20-about=1-01-w=0&ndcl=CL2

**demo collection**

HOME HELP PREFERENCES

**titles a-z**

search subjects titles a-z organization how to

- Butterfly Farming in Papua New Guinea
- The Courier - N°159 - Sept- Oct 1996 Dossier Investing in People Country Reports: Mali , Western Samoa
- The Courier - N°160 - Nov - Dec 1996 - Dossier Habitat - Country reports: Fiji , Tonga
- The Courier N°158-July- August 1996 Dossier Communication and the media - Country report Cape Verde
- Development in practice: Toward Gender Equality
- Farming snails 1: Learning about snails; Building a pen; Food and shelter plants
- Farming snails 2: Choosing snails; Care and harvesting; Further improvement
- Little Known Asian Animals With a Promising Economic Future
- Managing Tropical Animal Resources - Crocodiles as a Resource for the Tropics
- Microlivestock - Little-Known Small Animals with a Promising Economic Future
- The Water Buffalo: New Prospects For An Underutilized Animal (1984)

Titles A-Z - Netscape

File Edit View Go Communicator Help

**Humanity Development Library 2.0**

for sustainable development and basic human needs

HOME HELP PREFERENCES

**titles a-z**

search subjects titles a-z organization how to

- A B C D E F G H I J L M N O P Q R S T U V W Y 0-9 Magazines
- About the International institute of rural reconstruction
- Above and beyond
- Abstracts on sustainable agriculture 1992 Gate- GTZ
- Access to archival records: A review of current issues: A RAMP study
- Accounting for the microbusiness a teaching manual - A Handbook for Volunteers
- African agriculture. The critical choices
- Agribusiness in India: Lessons and visions (1996)
- Agricultural development workers training manual - Volume III Crops
- Agricultural development workers training manual: Volume I Orientation for Trainers
- Agricultural development workers training manual: Volume II Extension Skills
- Agricultural development workers training manual: Volume IV Livestock
- Agricultural Expansion and Pioneer Settlements in the Humid Tropics (1988)
- Agricultural extension
- Agricultural Extension: Guidelines for extension workers in rural areas
- Agricultural policy in India: need for a fresh look (1992)
- Agriculture and rural development in the 1990's and beyond: redesigning the chemistry between state and institutions of development (1992)
- Agro-forestry in the African Humid Tropics (1982)

# Browsing

## ◆ Browsing per data

Dates - Netscape  
File Edit View Go Window Help

niupepa:  
māori newspapers

HOME HELP PREFERENCES  
**dates**

search      series      dates

1842-1843 1844-1846 1848 1855-1856 1857 1858 1859 1860 1861 1862  
1863-1882 1883 1884 1885-1886 1887-1897 1903-1904 1905-1906 1907-1908  
1909-1910 1911-1912 1913-1914 1915-1916 1917-1918 1919-1921

1842 January    Te Karere o Nui Treni: Volume 1: January 1, 1842  
Number 1

February    Te Karere o Nui Treni: Volume 1: February 1, 1842  
Number 2

March    Te Karere o Nui Treni: Volume 1: March 1, 1842  
Number 3

April    Te Karere o Nui Treni: Volume 1: April 1, 1842  
Number 4

May    Te Karere o Nui Treni: Volume 1: May 2, 1842  
Number 5

June    Te Karere o Nui Treni: Volume 1: June 1, 1842  
Number 6

July    Te Karere o Nui Treni: Volume 1: July 1, 1842  
Number 7

August    Te Karere o Nui Treni: Volume 1: August 1, 1842  
Number 8

September    Te Karere o Nui Treni: Volume 1: September 1, 1842  
Number 9

October    Te Karere o Nui Treni: Volume 1: September 10, 1842

Document Done

# Browsing

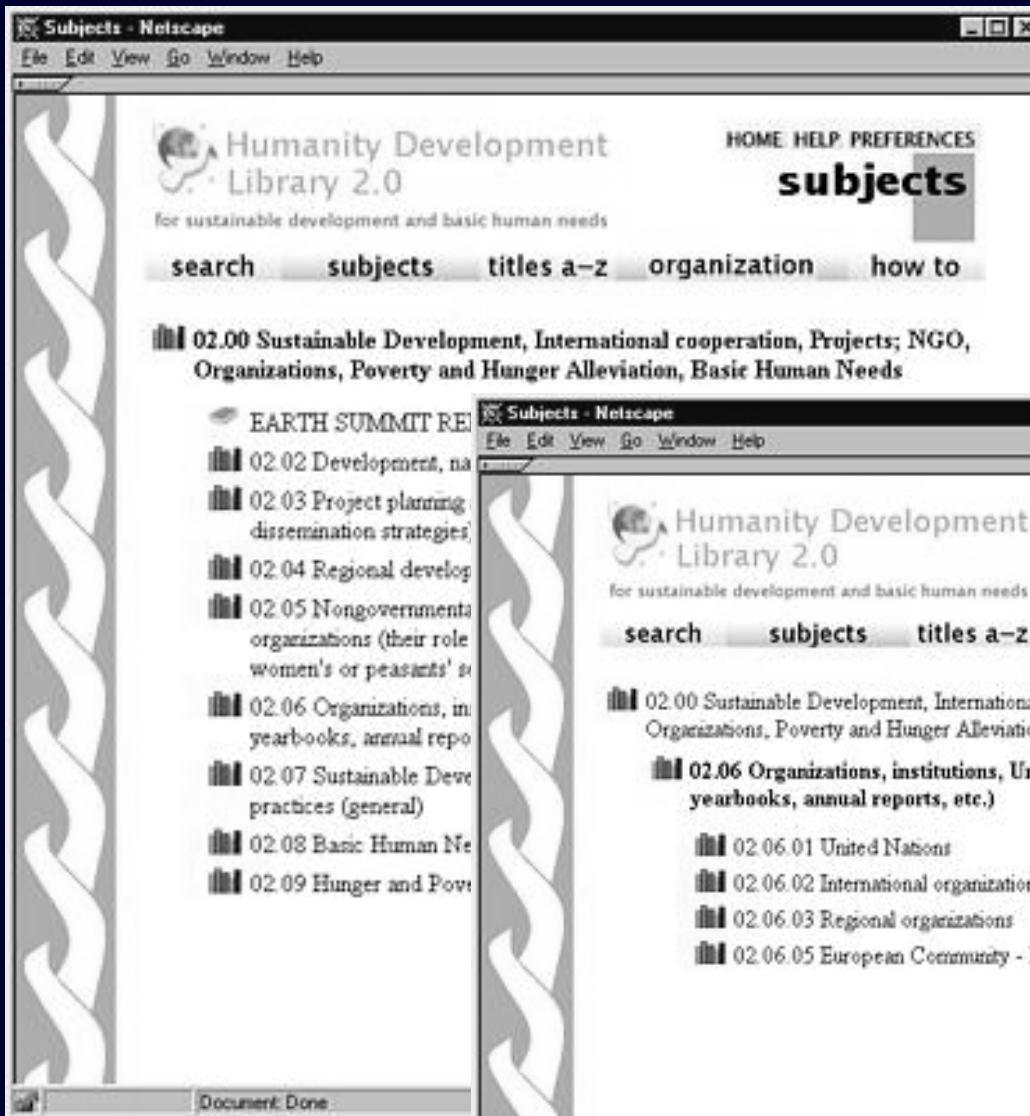
- ◆ Browsing basato su strutture gerarchiche di classificazione
- ◆ Ad es. in figura viene mostrato il primo livello di subject

The screenshot shows a web browser window titled "Subjects - Netscape". The main content area displays the "Humanity Development Library 2.0" logo and the tagline "for sustainable development and basic human needs". Below the logo is a navigation menu with links: search, subjects (which is bolded), titles a-z, organization, and how to. The main content area lists 18 numbered subjects, each preceded by a small icon:

- 01.00 General reference
- 02.00 Sustainable Development, International cooperation, Projects, NGO, Organizations, Poverty and Hunger Alleviation, Basic Human Needs
- 03.00 Economics, Economic policies, Finance, Trade, Structural Adjustment
- 04.00 Business, Micro-enterprises, Management, Marketing, Finance, Microfinance, Cooperatives
- 05.00 Politics, Public administration, Law and Legislation, Peace, Human Rights
- 06.00 Society, Culture, Community, Woman, Youth, Population
- 07.00 Education and Training
- 08.00 Communication, Information and Documentation
- 09.00 Transport
- 10.00 Science, Research and Technology
- 11.00 Ecology, Bio-diversity, Natural resources, Environment, Waste Disposal
- 12.00 Water, Sanitation and Sewage Disposal
- 13.00 Health, Nutrition, Medicine
- 14.00 Agriculture and Food Processing
- 15.00 Plant and Crop Production, Protection, and Processing
- 16.00 Animal Husbandry and Animal Product Processing
- 17.00 Fishery and Aquaculture
- 18.00 Forestry and Agroforestry

# Browsing

- ◆ Nelle due figure accanto vengono mostrati i due livelli successivi per subject



Bibliotecl  
Esempi – Il sisto



# Browsing su frasi

- ◆ **Associare metadati strutturati per la classificazione può essere molto oneroso.**  
**Se questa informazione non è disponibile, in Greenstone può essere utilizzato il browsing su frasi presenti nel documento**
- ◆ **Frase: una sequenza di parole che appaiono più di una volta nella collezione**
- ◆ **L'estrazione avviene automaticamente**
- ◆ **Key phrases**
- ◆ **Browser di frasi**
  - Le frasi sono organizzate gerachicamente
  - Ordinate per documento e per frequenza all'interno della collezione
  - Le foglie di questa gerarchia sono i documenti
- ◆ **Esempi:** [FAO Collection](#), [The Complete Works of Shakespeare](#)
  - ➔ <http://www.sadl.uleth.ca/nz/cgi-bin/library?a=p&p=about&c=fi1998>
  - ➔ <http://www.sadl.uleth.ca/nz/cgi-bin/library?a=p&p=about&c=allshake>

Search frasi che contengono la parola "locust"

Vengono visualizzate le frasi con informazioni sul numero di documenti

Selezione una delle frasi ("desert locust") e trovo tutte le frasi che la contengono

The screenshot shows a web-based application titled "phind classifier demo". At the top, there are menu options: File, Edit, View, Go, Window, Help, HOME, HELP, PREFERENCES, and topics. Below the title, there are tabs: search, titles a-z, language, and topics. A search bar contains the word "locust". The main content area displays two tables of search results.

**Table 1: locust (first 10 of 102 phrases)**

	docs	freq
Desert locust	719	1767
locust numbers	127	285
migratory locust	89	192
locust operations	84	112
locust infestations	64	110
locust situation	66	94
locust damage	50	85
locust control	45	84
locust infestation	46	78
forecast locust	25	59

**Table 2: Desert locust (first 10 of 102 phrases)**

	docs	freq
Desert locust situation	140	169
Desert locust adults	99	153
solitary Desert locust	88	112
Desert locust activity	75	103
Desert locust infestations	60	86
Desert locust control	41	59
Desert locust breeding	39	49
FAO Desert locust	44	45
isolated Desert locust	22	40
Desert locust Bulletin	32	36

Scendendo nella gerarchia di frasi posso arrivare a documenti che contengono la frase

phind  
classifier demo

HOME HELP PREFERENCES  
**topics**

search titles a-z language topics

Search for locust Previous Next

locust! (first 10 of 102 phrases) docs freq

Desert locust	719	1767
locust numbers	127	285
migratory locust	89	192
locust operations	84	112
locust infestations	64	110
locust situation	66	94
locust damage	50	85
locust control	45	84
locust infestation	46	76
forecast locust	25	59

Get more phrases

Desert locust! (first 10 of 82 phrases, first 10 of 719 documents) docs freq

Desert locust control	41	53
Desert locust breeding	39	49
FAO Desert locust	44	45
Isolated Desert locust	22	40
Desert locust Bulletin	32	38

Get more phrases

Desert Locust Information Service of FAO: Locust FAQs 38  
LOCUST CONTROL SITUATION: MEASURES TAKEN AND FURTHER ACTION REQUIRED  
Desert Locust Information Service of FAO: Locust books 20  
FAO - COMMITTEE ON AGRICULTURE 15  
PROGRAMME of WORK and BUDGET 30th Session of the Conference 13

Document Done

**Quindi posso visualizzare il documento**

xx\_textTopicpage\_ - Netscape

File Edit View Go Window Help

HOME HELP PREFERENCES  
search titles a-z language topics

 DESERT LOCUST INFORMATION SERVICE  
& the MIGRATORY PESTS GROUP

Locust Mapper News Archives Plagues Activities Books FAQ

### Frequently Asked Questions (FAQs) about Desert Locusts

- [What is the difference between locusts and grasshoppers?](#)
- [What is a Desert Locust?](#)
- [What countries are affected by the Desert Locust?](#)
- [Do Desert Locust plagues occur with any regularity?](#)
- [How long does a Desert Locust live?](#)
- [How many eggs does a Desert Locust female produce?](#)
- [How far and how fast can Desert Locusts migrate?](#)
- [How big are swarms and how many locusts are there in a swarm?](#)
- [What percentage of the Desert Locust's exoskeleton is chitin?](#)
- [How much food can a Desert Locust eat?](#)
- [What is the relationship between locusts and ecology?](#)
- [Why do locusts change their behaviour?](#)
- [Are there other important species of locusts?](#)
- [Can locusts hurt humans?](#)
- [How can locusts be controlled?](#)
- [Who carries out locust control operations?](#)
- [Are there any non-chemical ways to kill locusts?](#)
- [Can locusts be detected by satellites?](#)
- [Why are Desert Locust so difficult to control?](#)
- [Do people really eat locusts?](#)
- [What is a Desert Locust composed of?](#)

# Riferimenti

- ◆ Ian Witten, David Bainbridge, “How to Build a Digital Library”, Morgan Kaufmann Publishers, Capitolo 3

# Sommario

- ◆ Esempi di Biblioteche Digitali basate su Greenstone
- ◆ Modalità di ricerca e di browsing in Greenstone
- ◆ Come creare una collezione di documenti
- ◆ Come funziona Greenstone
- ◆ Come personalizzare una collezione di documenti

# Strumenti per creare una collezione

## ◆ Collector

- Interfaccia Web per la creazione delle collezioni di documenti
- Offre la maggior parte delle funzionalità disponibili
- Poco adatto se si vogliono eseguire solo alcune funzioni (ad es. rigenerare gli indici)

## ◆ Creazione manuale

- Richiede una conoscenza approfondita del funzionamento del sistema
- Funziona solo in locale

## ◆ Uso della Librarian Interface

- Funziona in locale
- Interfaccia per creare nuovi valori di metadati

# Il “Collector” di Greenstone

## ◆ Il Collector permette di

- Creare una nuova collezione di documenti
- Modificare o aggiungere documenti ad una collezione esistente
- Cancellare una collezione

# Come avviare il Collector

- ◆ **Click sul link del Collector dalla home page di Greenstone creata dopo l'installazione**
- ◆ **Log in**
  - Quando Greenstone è stato installato, è stato creato un login **admin** con una password scelta durante l'installazione
- ◆ **Il Collector utilizza una interfaccia web standard**

# La home page del collector

The screenshot shows a Microsoft Internet Explorer window with the following details:

- Title Bar:** http://127.1.0.0/gSDL?e=p-0-00---00-0-0-0prompt-10---4-----0-1l-1-en-50---20-home---00031-001 - Microsoft Internet Explorer
- Menu Bar:** File, Modifica, Visualizza, Preferiti, Strumenti, ?
- Toolbar:** Indietro, Avanti, Termina, Aggiorna, Pagina iniziale, Cerca, Preferiti, Multimedia, Cronologia.
- Address Bar:** Indirizzo: http://127.1.0.0/gSDL?e=p-0-00---00-0-0-0prompt-10---4-----0-1l-1-en-50---20-home---00031-001-1-0utf2z-8-008
- Page Content:**
  - Header:** HOME  
**The collector**
  - Section:** The Collector

*The pen is mightier than the sword!*  
Building and distributing information collections carries responsibilities that you may want to reflect on before you begin. There are legal issues of copyright: being able to access documents doesn't mean you can necessarily give them to others. There are social issues: collections should respect the customs of the community out of which the documents arise. And there are ethical issues: some things simply should not be made available to others.  
Be sensitive to the power of information and use it wisely.
  - Description:** The Collector helps you to create new collections, modify or add to existing ones, or delete collections. To do this you will be guided through a sequence of Web pages which request the information that is needed.
  - Text:** First, you must decide whether to
    - create a new collection
    - work with an existing one, adding data to it or deleting it.
  - Note:** In order to build or modify digital library collections you must sign in. This is to protect you from others logging in to your computer and altering the information on it. Note: for security reasons you will be automatically logged out once a 30 minute period has elapsed since you logged in. If this happens, don't worry! -- you will be invited to log in again and can continue from where you left off.
  - Login Form:** Please enter your Greenstone username and password, and click the button to sign in.  
username: admin  
password:

# Creazione di una nuova collezione

- ◆ Il compito principale del Collector è quello di creare una nuova collezione
- ◆ La struttura della collezione viene determinata quando la collezione viene definita per la prima volta
- ◆ Il modo più semplice di operare consiste nel copiare la struttura di una collezione esistente e di modificarla a seconda delle proprie esigenze

# **Passi per la costruzione della collezione**

- 1. Informazioni generali sulla collezione**
- 2. Specifica dei documenti da inserire**
- 3. Configurazione**
- 4. Costruzione**
- 5. Visualizzazione della collezione**

# Passi per la costruzione della collezione



- Informazioni generali sulla collezione
- Specifica dei documenti da inserire
- Configurazione
- Costruzione
- Visualizzazione della collezione

# 1. Informazioni generali sulla collezione

- ◆ **Specifica un nome per la collezione e fornisce informazioni associate alla collezione**
  - Title
    - ➔ Breve frase utilizzata per identificare la collezione all'interno della Biblioteca Digitale
  - Contact e-mail address
  - Breve descrizione
    - ➔ Indica le caratteristiche della collezione ed i principi che definiscono cosa è incluso nella collezione

# Inserimento informazioni sulla collezione

http://127.1.0.0/gSDL?e=collector-0-00tbuild1---00-0-0-0prompt-10---4-----0-1l-1yA4-en-50---2 - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://127.1.0.0/gSDL?e=collector-0-00tbuild1---00-0-0-0prompt-10---4-----0-1l-1yA4-en-50---20-new---00031-001 Vai Collegamenti >

HOME  
**The collector**

**Collection information**

When creating a new collection you need to enter some preliminary information about the source data. This process is structured as a series of Web pages, overseen by The Collector. The bar at the bottom of the page shows you the sequence of pages to be completed.

**Title for collection:**

altra collezione di prova

The collection title is a short phrase used throughout the digital library to identify the content of the collection. Example titles include "Computer Science Technical Reports" and "Humanity Development Library."

**Contact email address:**

savino@isti.cnr.it

This email address specifies the first point of contact for the collection. If the Greenstone software detects a problem, a diagnostic report is sent to this address. Enter an email address in its full form: name@domain.

**About this collection:**

Questa e' una collezione di prova creata con il collector

This is a statement describing the principles governing what is included in the collection. It appears on the first page when the collection is presented.

Your position in the sequence is indicated by an arrow underneath--in this case, the "collection information" stage. To proceed, click the green "source data" button.

► collection information ► source data ► configure collection ► build collection ► view collection

Biblioteca  
Esempi – II

Operazione completata

Internet

# Passi per la costruzione della collezione



- Informazioni generali sulla collezione
- Specifica dei documenti da inserire
- Configurazione
- Costruzione
- Visualizzazione della collezione

## 2. Documenti da inserire nella collezione

- ◆ **Specifica dove si trovano i documenti da inserire**
- ◆ **Specifica delle sorgenti**
  - *file://*
  - *http://*
  - *ftp://*

*file://*

- ◆ **File name sul Greenstone server system**
  - Il file sarà incluso nella collezione
- ◆ **Directory name sul server Greenstone**
  - Tutti I documenti che si trovano nella directory e tutte le sottodirectory verranno incluse

*http://*

◆ **Web page**

- La web page verrà scaricata
- Tutte le pagine alle quali la pagina punta e che si trovano sullo stesso sito verranno scaricate

◆ **URL che punta ad una lista di files**

- Tutto quello che si trova nel folder e nei suoi sotto-folder sarà incluso nella collezione

*ftp://*

- ◆ **File verrà scaricato usanto FTP**
- ◆ **Directory name sul server FTP**
  - Tutto quello che si trova nel folder e nei suoi sotto-folder sarà incluso nella collezione

# Dati da inserire nella collezione

http://127.1.0.0/gsdl - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://127.1.0.0/gsdl Vai Collegamenti >

HOME  
**The  
collector**

**Source data**

You may base your collection on either

- The default structure  
The new collection may contain html documents (.htm, .html), plain text documents (.txt, .text), MS Word documents (.doc), PDF documents (.pdf) or "m-box" format email documents (.mbx)
- An existing collection  
The files in your new collection must be exactly the same type as those used to build the existing one.

Base the collection on

**Input sources:**

tone Install\workshop-materials\test\_files\Word\_and\_PDF

MORE SOURCES

If you use file// or ftp// to specify a file, that file will be downloaded.

If you use http// it depends on whether the URL gives you a normal web page in your browser, or a list of files. If a page, that page will be downloaded -- and so will all pages it links to, and all pages they link to, etc. -- provided they reside on the same site, below the URL.

If you use file// or ftp// to specify a folder or directory, or give a http// URL that leads to a list of files, everything in the folder and all its sub-folders will be included in the collection.

Click the "more sources" button to get more input boxes.

Click one of the green buttons. If you are an advanced user you may want to adjust the collection configuration. Alternatively, go straight to the building stage. Remember, you can always revisit an earlier stage by clicking its yellow button.

► collection information ► source data ► configure collection ► build collection ► view collection

Operazione completata

Internet

# Passi per la costruzione della collezione



- Informazioni generali sulla collezione
- Specifica dei documenti da inserire
- Configurazione
- Costruzione
- Visualizzazione della collezione

### 3. Configurazione

- ◆ **Questo passo non verrà trattato**
- ◆ **Permette di adattare le opzioni di configurazione della collezione.**
- ◆ **La costruzione e la presentazione di tutte le collezioni sono controllate da specifiche che si trovano in un file di configurazione**

# Modifica della configurazione

http://127.1.0.0/gsdl - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://127.1.0.0/gsdl Vai Collegamenti >

HOME  
The  
collector

## Configure collection

The building and presentation of your collection are controlled by specifications in a special "configuration file". Advanced users may want to alter the configuration settings.

If you are not an advanced user, just go to the bottom of the page.

To alter the configuration settings, edit the data that appears below. If you make a mistake, click on "Reset" to reinstate the original configuration settings.

```
creator      savino@isti.cnr.it
maintainer   savino@isti.cnr.it
public       true

indexes      document:text document:Title document:Source
defaultindex document:text

plugin       ZIPPlug
plugin       GAPPlug
plugin       TEXTPlug
plugin       HTMLPlug
plugin       EMAILPlug
plugin       PDFPlug
plugin       RTFPlug
plugin       WordPlug
plugin       PSPlug
plugin       ArcPlug
plugin       RecPlug
```

▶ collection information ▶ source data ▶ configure collection ▶ build collection ▶ view collection

Operazione completata Internet

# Passi per la costruzione della collezione



- Informazioni generali sulla collezione
- Specifica dei documenti da inserire
- Configurazione
- Costruzione
- Visualizzazione della collezione

## 4. Costruzione

- ◆ **La fase di costruzione della collezione viene eseguita autonomamente dal sistema**
- ◆ **Durante questa fase vengono costruiti gli indici:**
  - Per il browsing
  - Per il searching
  - Vengono seguite le specifiche presenti nel file di configurazione
- ◆ **Status line mostra come progredisce l'operazione**

# Costruzione della collezione

http://127.1.0.0/gsdl - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://127.1.0.0/gsdl Vai Collegamenti >

## Build

The collection is now being built: this might take some time. The building status line below gives feedback on how the operation is progressing.

To stop the building process at any time, click here. [stop building](#)  
The collection you are working on will remain intact.

If you leave this page (and have not cancelled the building process with the "stop building" button) the collection will continue to build and will be installed upon successful completion.

Importing collection ...  
Removing current contents of the archives directory...

Operazione completata

# Costruzione della collezione

http://127.1.0.0/gsdl - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://127.1.0.0/gsdl Vai Collegamenti >

## Build

The collection is now being built: this might take some time. The building status line below gives feedback on how the operation is progressing.

To stop the building process at any time, click here. [stop building](#)  
The collection you are working on will remain intact.

If you leave this page (and have not cancelled the building process with the "stop building" button) the collection will continue to build and will be installed upon successful completion.

Collection built successfully.

You may [view the build summary](#) of this collection for further details.

► [collection information](#) ► [source data](#) ► [configure collection](#) ► **build collection** ► [view collection](#)

Operazione completata

Internet

# Passi per la costruzione della collezione



- Informazioni generali sulla collezione
- Specifica dei documenti da inserire
- Configurazione
- Costruzione
- Visualizzazione della collezione

# 5. Visualizzazione

- ◆ **Al termine della costruzione della collezione, questa può essere immediatamente visualizzata**

prova2 - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://127.1.0.0/gsdl?a=p&p=about&c=provav1 Vai Collegamenti >

HOME HELP PREFERENCES  
**about**  
filenames

prova2

search titles a-z filenames

Search for  which contain  some  all of the words

About this collection

Questa e' un'altra collezione di prova creata con il collector

This collection contains 8 documents, a total of 688 kb.

[Click here](#) to view the build summary for this collection.

How to find information in the prova2 collection

There are 3 ways to find information in this collection:

- search for particular words
- access publications by title
- access publications by filename

You can *search for particular words* that appear in the text from the "search" page. This is the first page that comes up when you begin, and can be reached from other pages by pressing the *search* button.

You can *access publications by title* by pressing the *titles a-z* button. This brings up a list of books in alphabetic order.

You can *access publications by filename* by pressing the *filenames* button. This brings up a list of entries, sorted by original filename.

Operazione completata

Internet

# Lista dei documenti inseriti nella nuova collezione

Titles A-Z - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo  Vai Collegamenti >

HOME HELP PREFERENCES

**titles a-z**

search titles a-z filenames

prova2

1992-96 Working Papers  
(word04.doc)

1997-00 Listing of Working Papers  
(word01.doc)

biblio\_for\_dl\_scientometrics.do  
(pdf03.pdf)

Distributing Digital Libraries on the Web, CD-ROMs, and Intranets: Same information, same...  
(pdf02.pdf)

Greenstone: A Comprehensive Open-Source  
(word03.doc)

Greenstone: A Comprehensive Open-Source Digital Library Software System  
Ian H. Witten, \* Rodger J....  
(pdf01.pdf)

Information Seeking, Retrieving, Reading, and Storing Behaviour of Library-Users.  
(word02.doc)

Scalable browsing for large collections: a case study Gordon W. Paynter, 1 Ian H. Witten, 1 Sally...  
(pdf04.pdf)

Operazione completata

Internet

# Esercitazione – Parte I

**Creare una collezione usando il Collector**

# Greenstone Librarian Interface

Localizza risorse da internet

Definisce le funzionalità e le modalità di presentazione della collezione

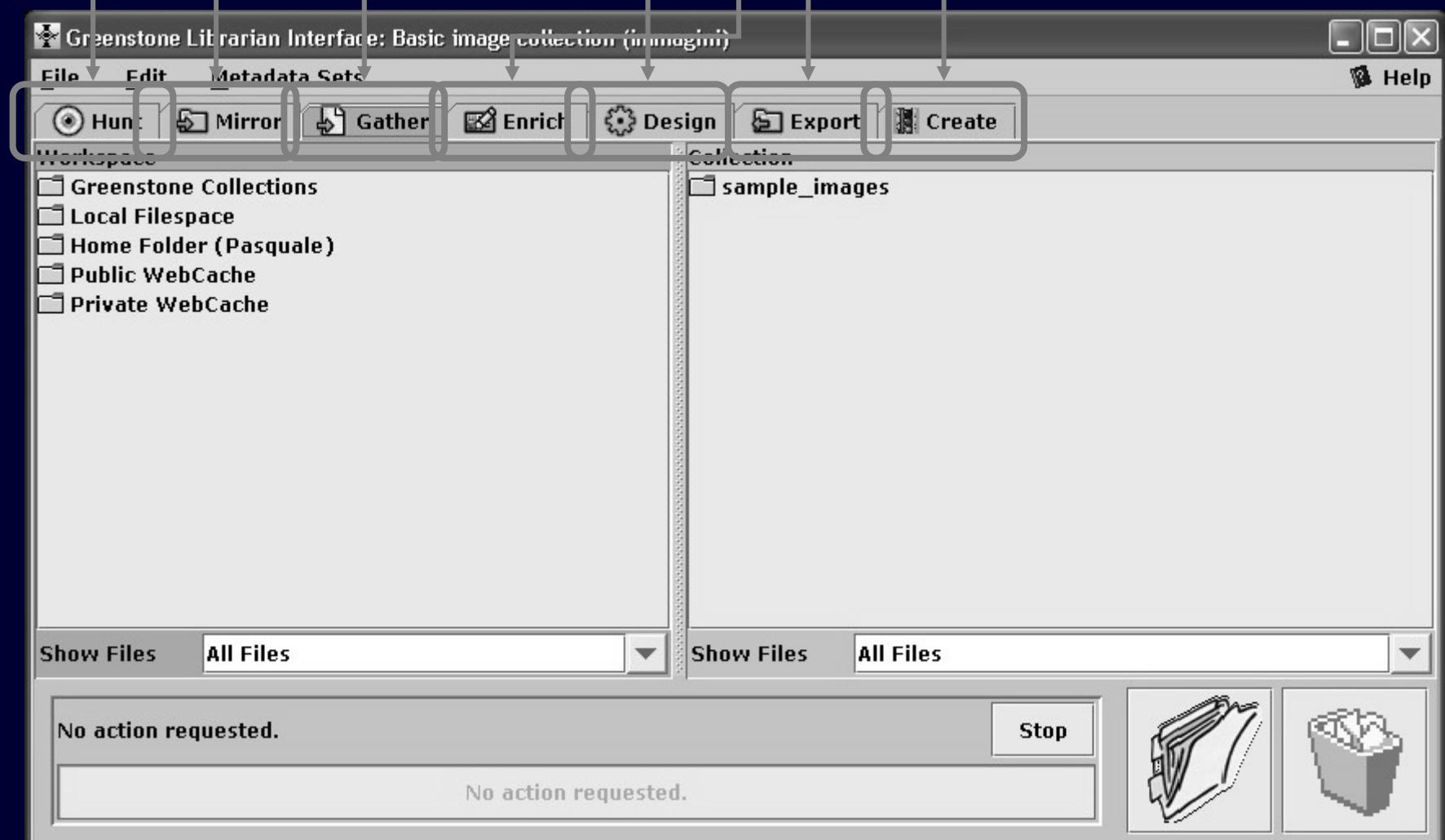
Scarica risorse da internet

Esporta la collezione

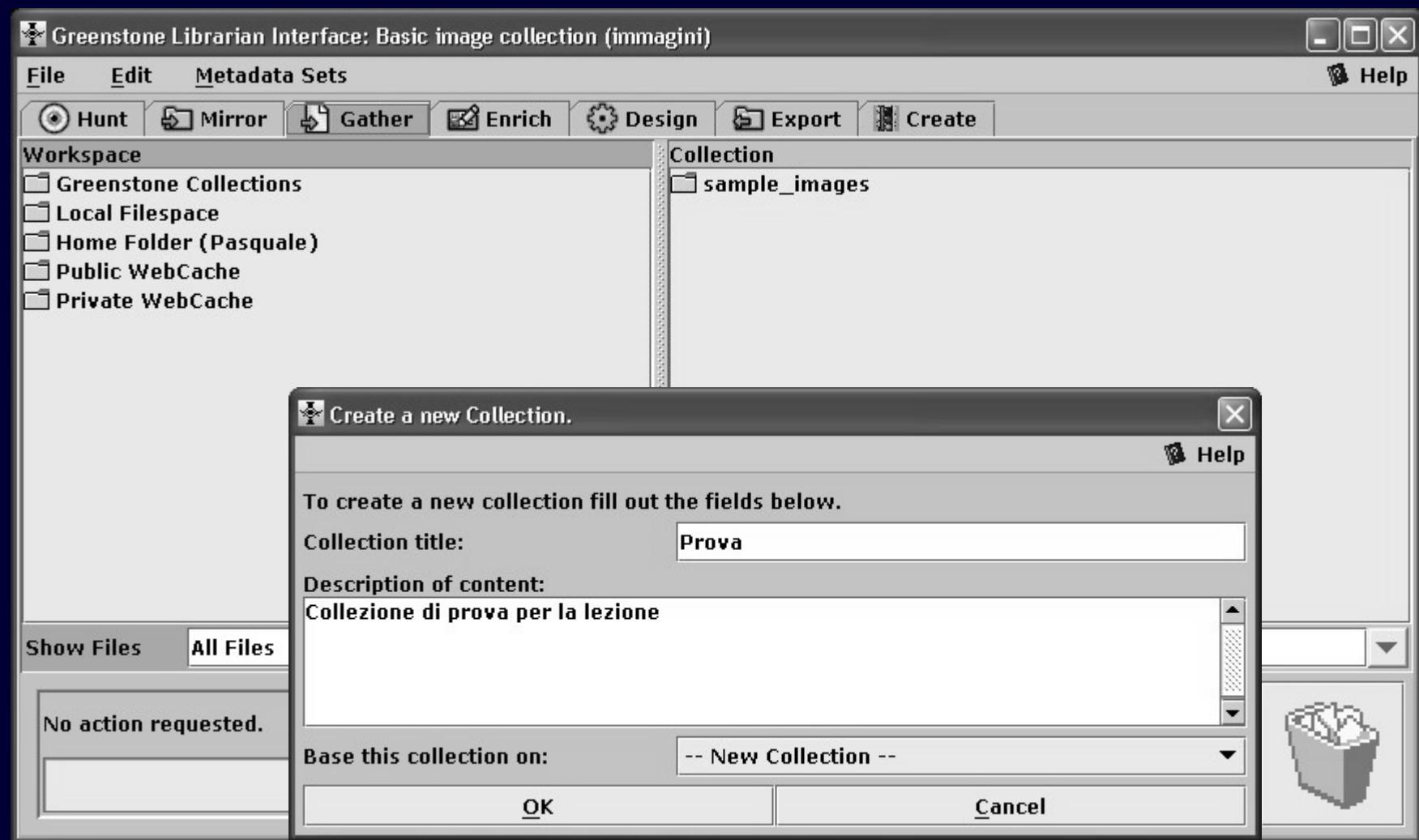
Selezione i file da includere nella collezione

Crea la collezione

Assegna metadati ai file nella collezione



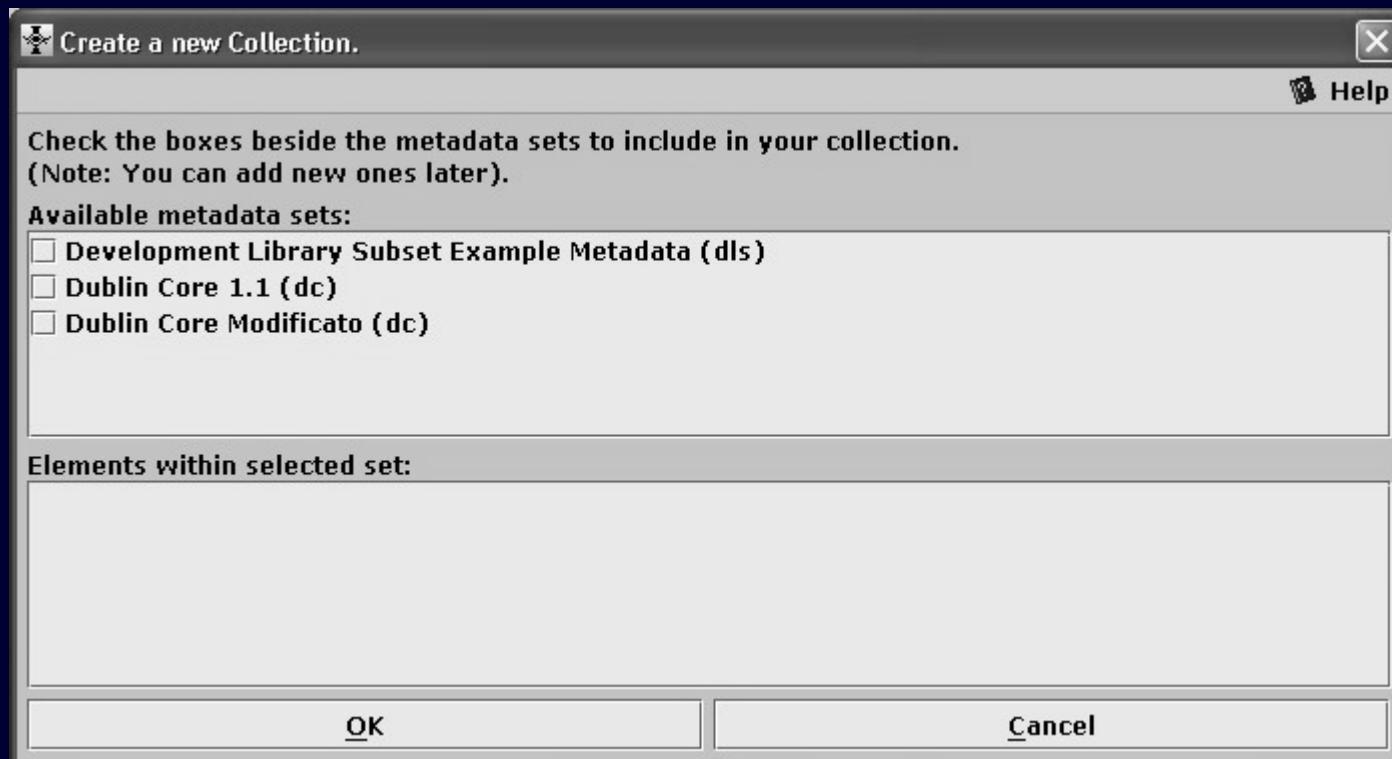
# Crea una nuova collezione



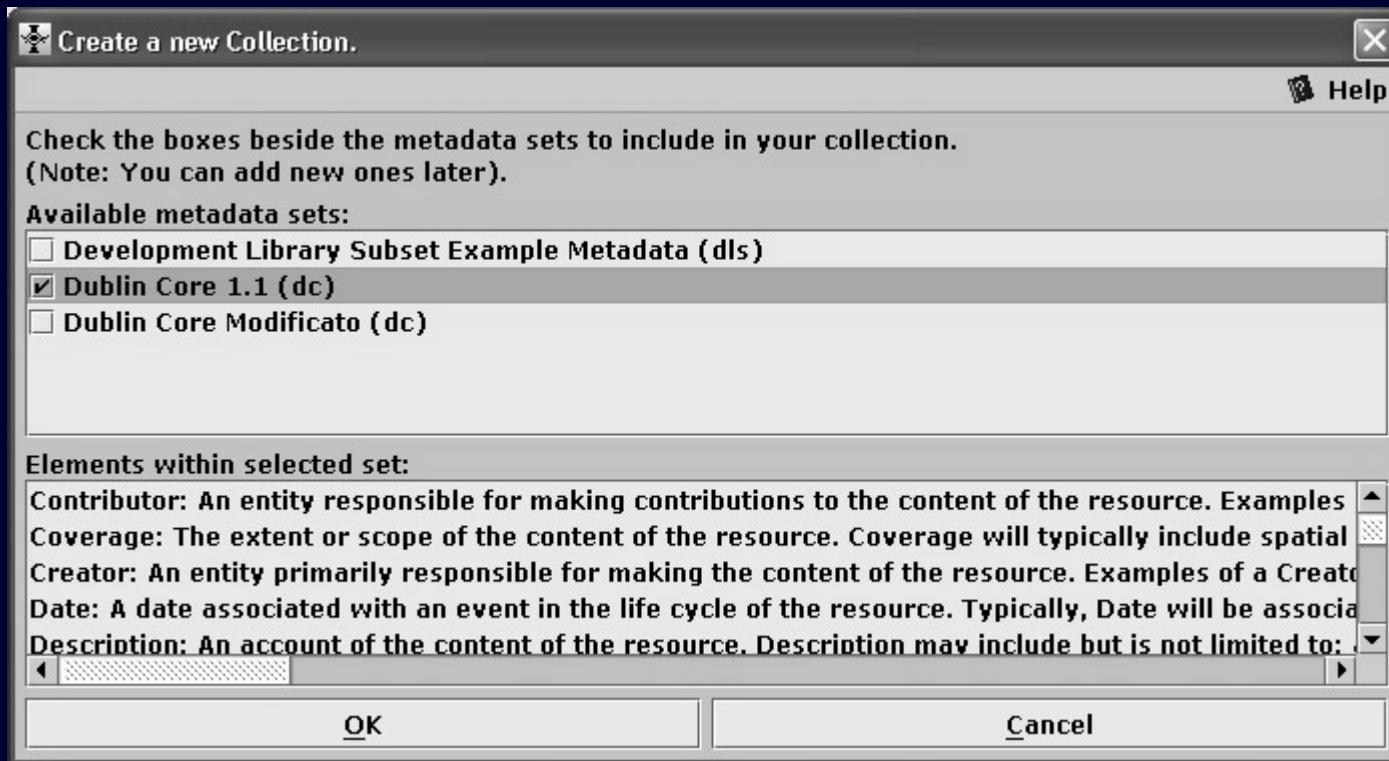
# Seleziona un set di metadati

## ◆ Due insiemi predefiniti

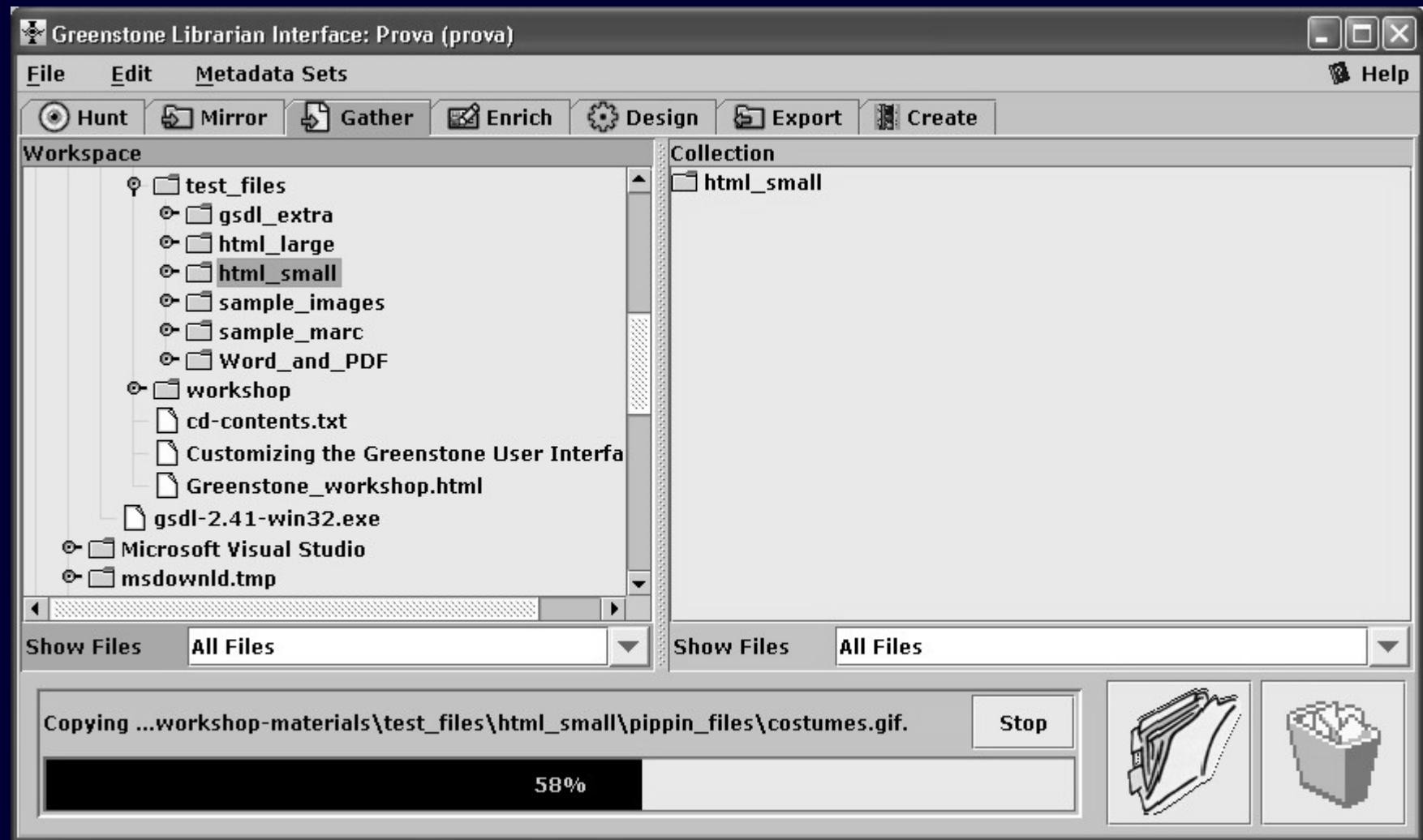
- Development Library Subset Example
- Dublin Core 1.1



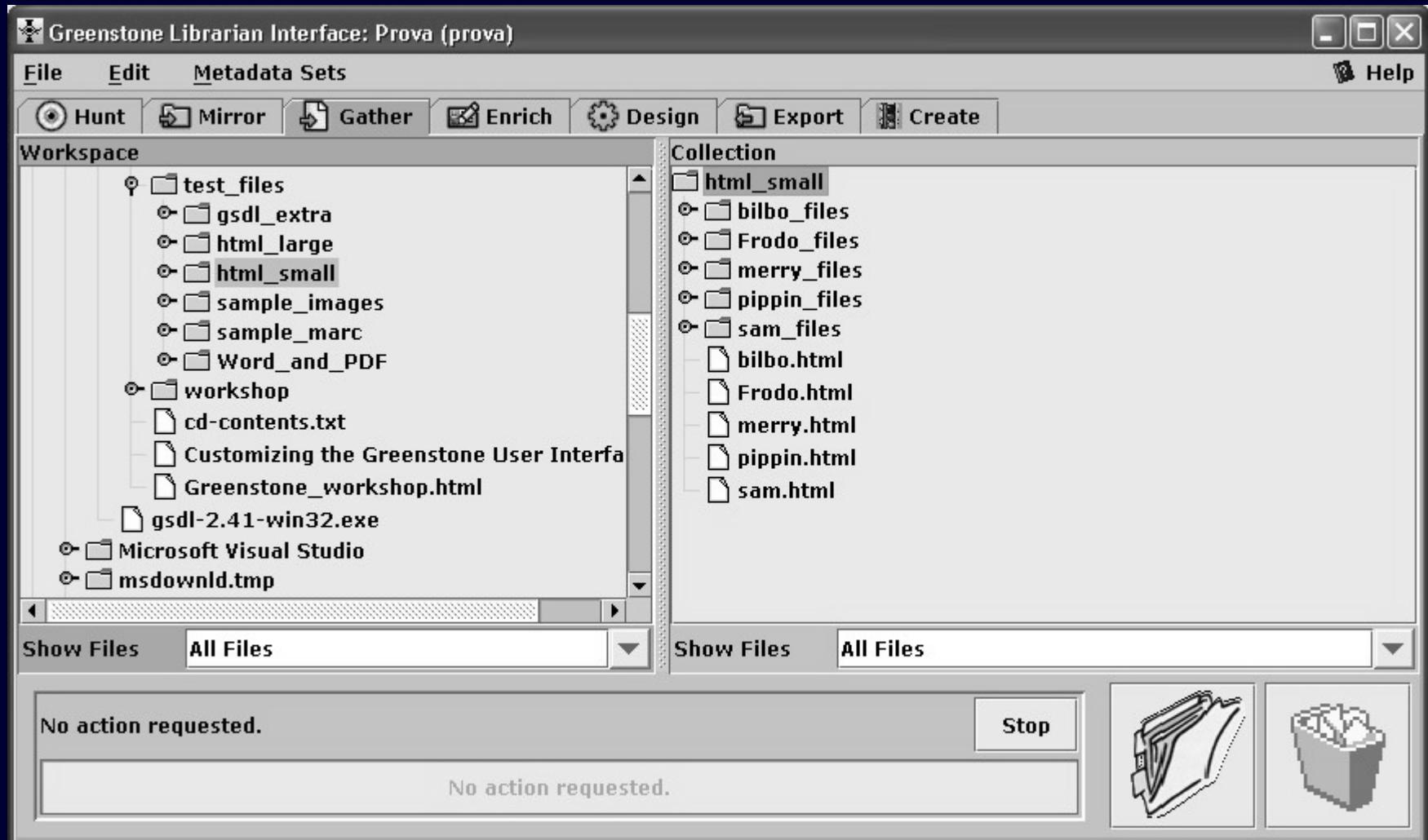
# Selezione Dublin Core



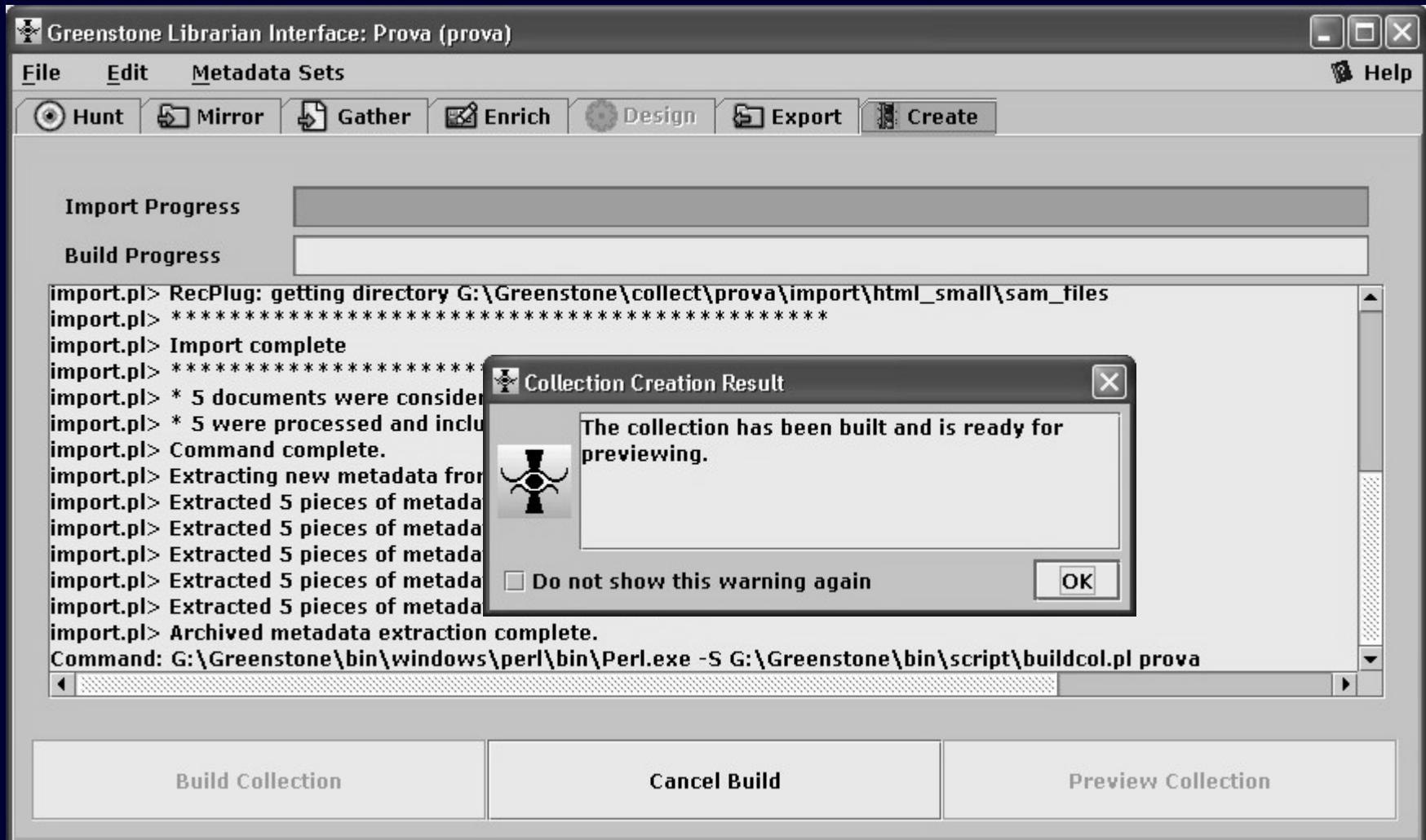
# Seleziono e copio dei file nella collezione



# File copiati nel panel di destra



# Creo la collezione



# Pagina Iniziale della Biblioteca Digitale

Prova - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo  Vai Collegamenti >

HOME HELP PREFERENCES  
**about**

search titles a-z filenames

Search for  which contain  of the words

About this collection

Collezione di prova per la lezione

How to find information in the Prova collection

There are 3 ways to find information in this collection:

- search for particular words
- access publications by title
- access publications by filename

You can *search for particular words* that appear in the text from the "search" page. This is the first page that comes up when you begin, and can be reached from other pages by pressing the *search* button.

You can *access publications by title* by pressing the *titles a-z* button. This brings up a list of books in alphabetic order.

You can *access publications by filename* by pressing the *filenames* button. This brings up a list of entries, sorted by original filename.

# Titoli in ordine alfabetico

Titles A-Z - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo http://127.1.0.0/gsdl?e=p-0-0-prova--00-0-0-0prompt-10---4-----0-1--1-en-50---20-about---00031- Vai Collega

HOME HELP PREFERENCES

**titles a-z**

Prova

search titles a-z filenames

- Lord of the Rings Fanatics Tour: Bilbo Baggins (*bilbo.html*)
- Lord of the Rings Frodo (*Frodo.html*)
- Lord of the Rings Merry (*merry.html*)
- Lord of the Rings Pippin (*pippin.html*)
- Lord of the Rings Sam (*sam.html*)

# Uno dei documenti della collezione

Lord of the Rings Fanatics Tour: Bilbo Baggins - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strumenti ?

Indirizzo <http://127.1.0.0/gsd?e=d-0-00-prova-00-0-0-0prompt-10---4-----0-1--1-en-50---20-about---00031-001-1-0utf2z-8-00&a=d&c:> Vai Collegamenti >

search titles a-z filenames

Lord of the Rings Fanatics Tour:  
Bilbo Baggins

DETACH NO HIGH-LIGHTING

In our Merchandise Shop

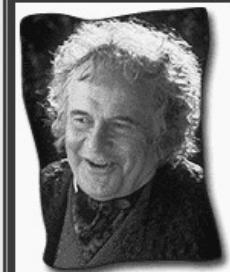
*Rings & Jewelry*

People of Middle-Earth: Bilbo Baggins

**Full Name:** Bilbo Baggins  
**Date of Birth:** September 22, 2890 T.A.  
**Parents:** Bungo Baggins, Beladonna Took  
**Race:** Hobbit  
**Weapon:** Sting

(AUDIO: Bilbo about Bag End)  
"Well, I am Bilbo Baggins your Tour Guide and I will start by further introducing myself. I can still remember how my big adventure began. I was just sitting in my hobbit hole when Gandalf visited me. Before I knew it I was playing host for 13 dwarves and soon after I would begin an adventure that would take me half way across Middle-Earth to the lair of Smaug the Dragon. It was me who found the One Ring in the orc caverns where Gollum also lived at that time. I had to do a riddle game with Gollum which I eventually won by asking what I had in my pocket. I barely escaped all the adventures with the dwarves and I returned to the Shire carrying the One Ring with me as a treasure. It was many years later that I found out what the true nature was of the Ring and that was the beginning of the adventure my nephew Frodo had to undertake. After the War of the Ring I left middle-earth together with Frodo, Gandalf, Elrond and Galadriel."

In The Movie



Ian Holm

**Quote:**  
"Very well, very well, Master Elrond! said Bilbo suddenly. 'Say no more! It is plain enough what you are pointing at. Bilbo the silly Hobbit started this affair, and Bilbo had better finish it, or himself.'

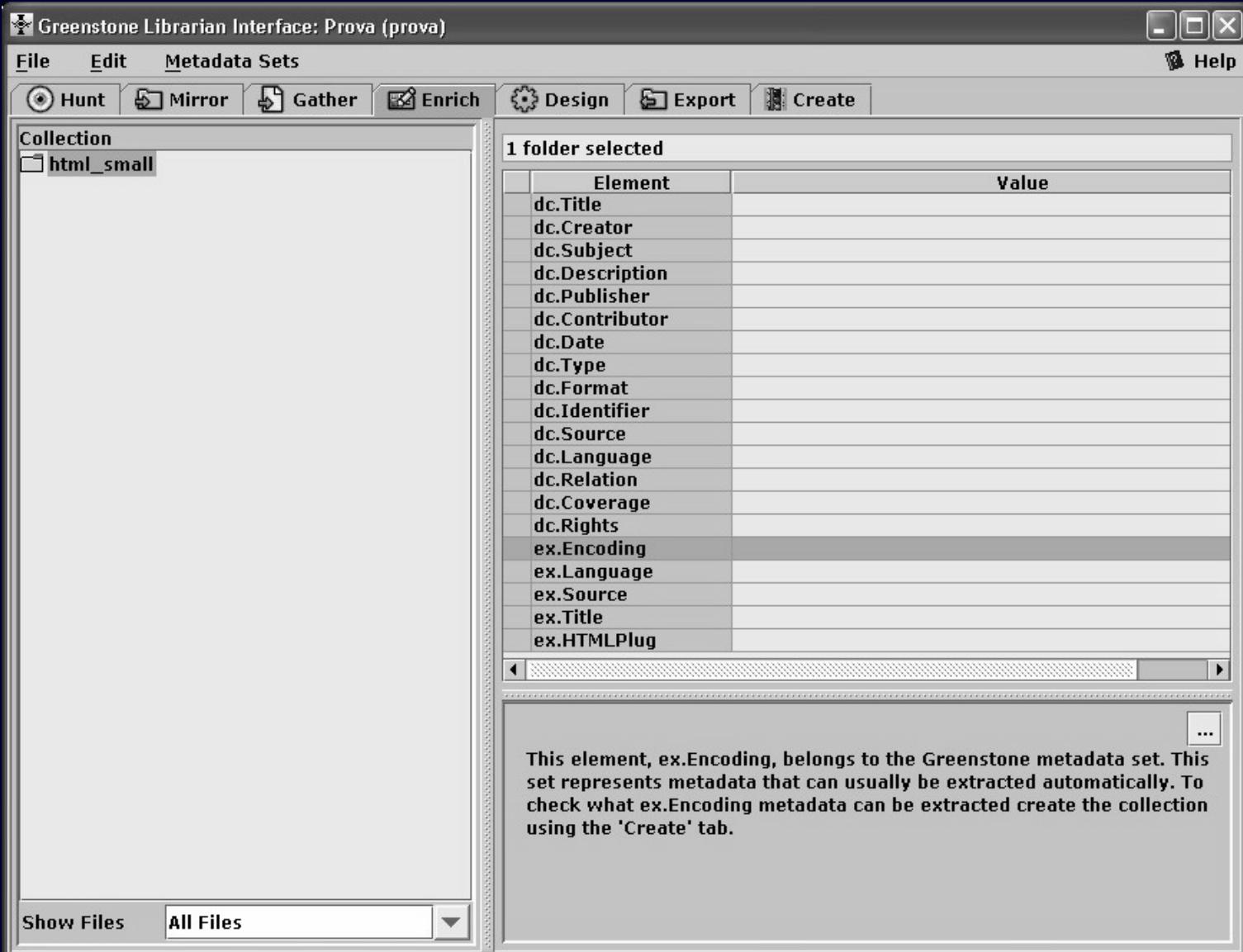
Caps & Hats

Video Games

Operazione completata

Internet

# Il modulo per la creazione dei metadati



# Matadati estratti automaticamente

Greenstone Librarian Interface: Prova (prova)

File Edit Metadata Sets Help

Hunt Mirror Gather Enrich Design Export Create

Collection

- html\_small
- bilbo\_files
- Frodo\_files
- merry\_files
- pippin\_files
- sam\_files
  - bilbo.html
  - Frodo.html
  - merry.html
  - pippin.html
  - sam.html

1 file selected

Element	Value
dc.Title	
dc.Creator	
dc.Subject	
dc.Description	
dc.Publisher	
dc.Contributor	
dc.Date	
dc.Type	
dc.Format	
dc.Identifier	
dc.Source	
dc.Language	
dc.Relation	
dc.Coverage	
dc.Rights	
ex.Encoding	iso_8859_1
ex.Language	en
ex.Source	bilbo.html
ex.Title	Lord of the Rings Fanatics Tour: Bilbo Baggins
ex.HTMLPlug	1

This element, ex.Encoding, belongs to the Greenstone metadata set. This set represents metadata that can usually be extracted automatically. To check what ex.Encoding metadata can be extracted create the collection using the 'Create' tab.

Show Files All Files

# Metadati assegnati manualmente

Greenstone Librarian Interface: Prova (prova)

**File Edit Metadata Sets Help**

**Hunt Mirror Gather Enrich Design Export Create**

**Collection**

- html\_small
- bilbo\_files
- Frodo\_files
- merry\_files
- pippin\_files
- sam\_files
  - bilbo.html
  - Frodo.html
  - merry.html
  - pippin.html
  - sam.html

**1 file selected**

Element	Value
dc.Title	Bilbo Baggins
dc.Creator	Greenstone example library
dc.Subject	Il signore degli anelli
dc.Description	
dc.Publisher	
dc.Contributor	
dc.Date	
dc.Type	
dc.Format	
dc.Identifier	
dc.Source	
dc.Language	
dc.Relation	
dc.Coverage	
dc.Rights	
ex.Encoding	iso_8859_1
ex.Language	en
ex.Source	bilbo.html
ex.Title	Lord of the Rings Fanatics Tour: Bilbo Baggins
ex.HTMLPlug	1

**Value** Il signore degli anelli **...**

**Append** **Replace** **Remove**

**All Previous Values**

Il signore degli anelli

Show Files All Files

# Esercitazione – Parte II

**Creare una collezione usando la  
Greenstone Librarian Interface**

# Esercitazioni

- ◆ **Parte III – Creazione di una collezione di immagini**
- ◆ **Parte IV – Associare dei valori di metadati ai documenti**