

CIESIN Catalog Services Help 1.0

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What is Catalog Services?

Catalog Services is a distributed system providing convenient access to catalogued information. The system was developed for the Consortium for International Earth Science Information Network (CIESIN) project by the Center for Applied Large-Scale Computing (CALC) at Polytechnic University. It aims to assist users in locating and retrieving information concerning global change.

Information currently accessible through Catalog Services includes CIESIN created entries related to human dimensions of global change.

The system is also seamlessly interoperable with the extensive catalog of the Global Change Master Directory (GCMD). Entries are currently stored in the Directory Interchange Format (DIF) standard, although other standards will also be available in the near future.

Catalog Services also provides samples of some directory entries which allow the user to locate and evaluate specific data of interest.

Inventory level data is also available from various databases and can be searched upon and retrieved via the Catalog Services system.

Catalog Services is a client/server based system. The client program runs on a computer connected to the internet or via a dial-up terminal server, communicating with various servers on the network.

The distributed nature of the system allows for the linking of many locally managed data collections.

Hardware/Software Requirements

Catalog Services for Windows requires:

- Windows 3.1
- 2 MB RAM minimum
- WinSock DLL compliant TCP/IP stack or 100% Hayes compatible modem
- VGA or better resolution
- 2-3 MB Disk Storage (plus extra for temp files at run-time)

It also supports Windows-compatible sound cards.

CIESIN Catalog Services Initial Window



File Menu

File

Printer Setup...

Reinitialize Connection

Send Comments...

Exit

Directory Menu

Directories

Directory Services ...

People ...

Organizations ...

Resource ...

Preferences Menu

P references
<u>C</u> ommunications ...
<u>F</u> ields ...
<u>S</u> ervers ...
Auto-Update Valids List
<u>S</u> ounds
<u>U</u> ser <u>L</u> evel ▶
<u>L</u> oad Preferences ...
<u>S</u> ave C:\WINGP\MYCONFIG.CFG
<u>S</u> ave <u>A</u> s ...

Help Menu

Index	F1	Help
<u>C</u> ommands		
<u>P</u> rocedures		
<u>T</u> opics	CTRL-F1	
<u>U</u> sing help		
<hr/>		
<u>A</u> bout Catalog Services...		

Network Status



Data Directory Services

Data Directory Services

	VALUE	SUB-VALUE (optional)
Discipline	EARTH SCIENCE	LAND
Parameter		Choose Sub-Category (optional) ...
Location		Choose Sub-Category (optional) ...
Keyword	vegetation index	
Personnel		
Organization		
Data Center		
Free Text		

Expert Directory Search

Cancel Search Clear All Choices Help

GEOGRAPHICAL COVERAGE:

	Longitude	Latitude
Minimum	-180	-90
Maximum	180	90

World MAP Default

DATE-LINE:

FROM: 01/01/1900 00:00

TO: 01/01/2100 23:59

Bugs/Suggestions

Report all bugs or suggestions via e-mail to:

Bug-GP@poly.edu

File|Exit

This command will close the Catalog Services Application.

It will first attempt to disconnect from the Catalog Services server. It will then clean up any temporary files before closing.

This command is always available to the user.

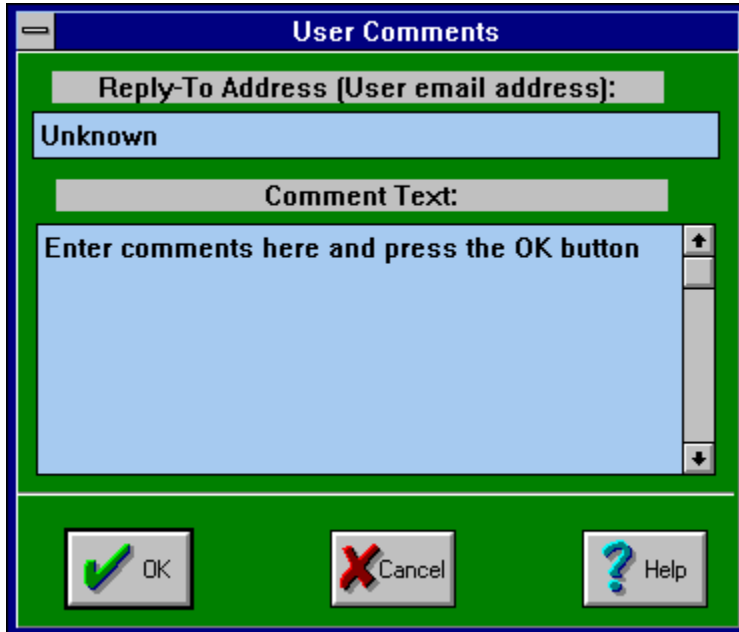
File|Reinitialize Connection

This command informs GREENpages to reinitialize a connection to a Catalog Services server. It will first attempt to close a current connection before starting a new one (similar to closing the Catalog Services application and restarting it but often quicker).

This is useful when the server appears to no longer be responding but where you don't want to have to close Catalog Services and restart it.

File|Send Comments

This command allows you to send comments and/or bug reports to the Catalog Services development team.



The image shows a dialog box titled "User Comments" with a blue title bar and a green background. It contains the following elements:

- A label "Reply-To Address (User email address):" above a text field containing "Unknown".
- A label "Comment Text:" above a large text area containing the text "Enter comments here and press the OK button".
- Three buttons at the bottom: "OK" (with a green checkmark icon), "Cancel" (with a red X icon), and "Help" (with a blue question mark icon).

File|Print Setup

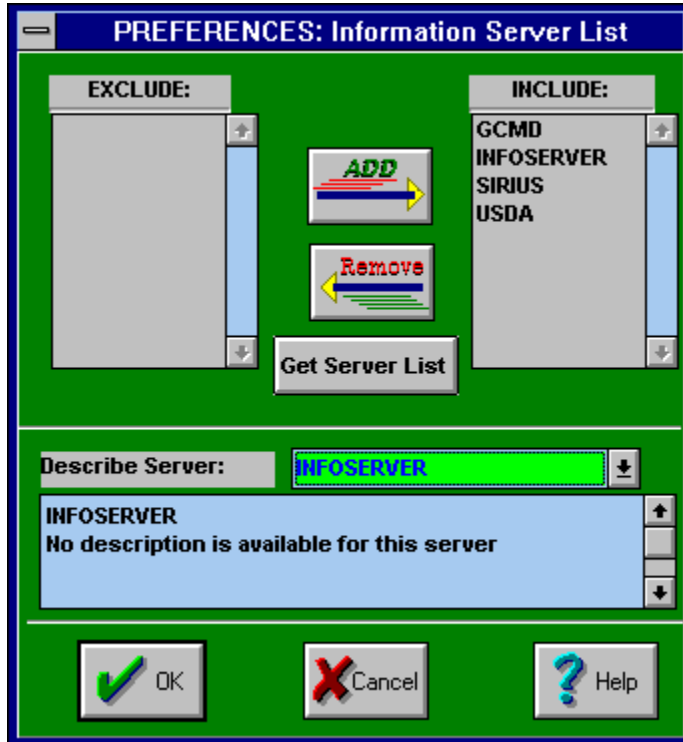
This command allows you to select and/or setup the default printer for your system. This printer will be used by Catalog Services for its print jobs.

Please refer to your Windows manuals for more information on printer setups.

Preferences|Communications

Modem Communication Control			
Green Pages Server Name	sirius.poly.edu		
Server Port Number	19940		
Green Pages Server Phone #	7182604000		
Expected Terminal Prompt	Poly-TS>		
Telnet String	telnet %s %p		Terminal Init. String
BAUD RATE	PARITY	STOP BITS	COM PORT
<input type="checkbox"/> 1200	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2	<input checked="" type="checkbox"/> COM 1
<input checked="" type="checkbox"/> 2400	<input type="checkbox"/> Even		<input type="checkbox"/> COM 2
<input type="checkbox"/> 9600	<input type="checkbox"/> Odd	DATA BITS	<input type="checkbox"/> COM 3
<input type="checkbox"/> 14400		<input type="checkbox"/> 7 <input checked="" type="checkbox"/> 8	<input type="checkbox"/> COM 4
<input type="checkbox"/> 19200			
<input checked="" type="checkbox"/> OK	<input checked="" type="checkbox"/> Cancel	<input type="checkbox"/> Use Modem <input checked="" type="checkbox"/> Use Network	<input checked="" type="checkbox"/> Help

Preferences|Servers



Preferences|Fields

PREFERENCES : Entry Display Fields

Entry Fields to display:

<input checked="" type="checkbox"/> ID	<input checked="" type="checkbox"/> Investigator	<input checked="" type="checkbox"/> Technical_Contact
<input checked="" type="checkbox"/> Title	<input checked="" type="checkbox"/> Data_Center	<input checked="" type="checkbox"/> Data_Center_Contact
<input checked="" type="checkbox"/> Date	<input checked="" type="checkbox"/> Coverage	<input checked="" type="checkbox"/> Campaign/Project
<input checked="" type="checkbox"/> Source	<input checked="" type="checkbox"/> Parameter	<input checked="" type="checkbox"/> Originating_Center
<input checked="" type="checkbox"/> Sensor	<input checked="" type="checkbox"/> Discipline	<input checked="" type="checkbox"/> Storage_Medium
<input checked="" type="checkbox"/> Author	<input checked="" type="checkbox"/> Location	<input checked="" type="checkbox"/> Science_Review_Date
<input checked="" type="checkbox"/> Keyword	<input checked="" type="checkbox"/> Revision_Date	<input checked="" type="checkbox"/> Future_Review_Date

DIF Display Format:

Standard Formatted

OK

Cancel

Help

Preferences|Sounds

Enables or disables sound output.
(The music symbol indicates that sound is active).

NOTE: Available in Windows version only.

Preferences|User Level

Allows you to select between Normal and Expert Levels.

The Normal Level will start with the simpler Data Directory search screen while the Expert Level starts with the Expert Search screen (which allows for more complex queries to be created).

Preferences|Configuration File

These commands allow you to save a Catalog Services configuration file to disk for retrieval the next time you use the application. The configuration file will contain all network/modem parameters along with user level and sound settings.

Choosing a Catalog Services Server

The Catalog Services server may be set to either the server's IP address or the server's host name. Let's examine one Catalog Services server as an example:

```
catalog.ciesin.org    <=  server host name  
160.39.8.201        <=  server IP address
```

The server port indicates which port the server is listening on for Catalog Services client connections. For example, port 19940 is currently used on catalog.ciesin.org as the Catalog Services connection port. This number may vary on other Catalog Services SSR servers.

Choosing a Terminal Server

A terminal server may be used via modem if you do not have a direct internet connection. Catalog Services for Windows natively allows for a simple connection routine to a terminal server. Simply enter the telephone number of your terminal server and the expected prompt that the terminal server will present upon complete connection.

NOTE: If problems are encountered using this method, you may wish to use the Manual Connection utility included with Catalog Services.

Telnet from Terminal Server

Once a connection is made to a terminal server, Catalog Services for Widows will use the **Telnet String** to connect to the Catalog Services SSR server. The **%s** will be replaced with the server name and **%p** will contain the host port number. Thus, the example **telnet %s %p** would become **telnet 160.39.8.201 19940**.

Modem Settings

Set the Baud Rate, Stop Bits, Parity, Data Bits to correctly reflect the settings for the Terminal Server you wish to use.

Set the COM Port to the serial port on which your modem is connected.

Expert Directory Search

Expert Search

Item	Attribute	Value	Sub-value (optional)
A	Discipline	EARTH SCIENCE	Choose Sub-Category (optional) ...
B	Free Text	france	
C			
D			
E			
F			
G			
H			

Boolean Expression: A | B

Buttons: Cancel, Search, Clear All Choices, Help


Entry Title List

Entry Title List

13 Entries GREENpages for Windows 1 Selected Entry

Inv	Index	Entry Server	Entry Title
<input type="checkbox"/>	1	[GCMD]	Daily and Weekly Vegetation Index Tapes (New) from the NOAA POES Series (AVH
<input type="checkbox"/>	2	[sirius]	Daily and Weekly Vegetation Index Tapes (New) from the NOAA POES Series (AVH
<input type="checkbox"/>	3	[sirius]	Daily and Weekly Vegetation Index Tapes (Old) from the NOAA POES Series (AVH
<input type="checkbox"/>	4	[GCMD]	Daily and Weekly Vegetation Index Tapes (Old) from the NOAA POES Series (AVH
<input type="checkbox"/>	5	[GCMD]	Global Experimental Bi-Weekly Normalized Difference (GLEND) Vegetation Index
<input type="checkbox"/>	6	[GCMD]	Northern Great Plains AVHRR Data Set
<input type="checkbox"/>	7	[GCMD]	Pathfinder Advanced Very High Resolution Radiometer (AVHRR) Land Data at EO
<input type="checkbox"/>	8	[sirius]	SAHEL & NNW AFRICA 14-DAY NDVI COMPOSITES
<input type="checkbox"/>	9	[GCMD]	SAHEL & NW AFRICA 14-DAY NDVI COMPOSITES
<input checked="" type="checkbox"/>	10	[sirius]	SMMR Microwave Vegetation Index Data at Pilot Land Data System
<input type="checkbox"/>	11	[GCMD]	SMMR and SSM/I Microwave Vegetation Index Data at PLDS [GSFC]
<input type="checkbox"/>	12	[sirius]	Vegetation Index (Old and New) Harcopy Images Derived from NOAA POES Series

← → ← → ← → ← →

 Cancel View Entry Inventory Search Select All ? Help

Entry Viewer

The screenshot shows a software window titled "Entry Viewer" with a subtitle "SMMR Microwave Vegetation Index Data at Pilot Land Data System". The interface includes navigation buttons for "Previous Entry" and "Next Entry", and a status bar indicating "Entry 1 of 1" and "Entry #9 from Entry Title List". The main content area contains a text entry describing the SMMR data processing. At the bottom, there is a control panel with buttons for "Print", "Cancel", "Find Keyword", "Inventory Search", "Sample List...", "Link", and "Help". A "View Information:" section contains radio buttons for "Summary", "Reference", "Quality", "Entry (DIF)", "GUIDE", and "Data Set".

Entry Viewer

SMMR Microwave Vegetation Index Data at Pilot Land Data System

Previous Entry

Entry 1 of 1
Entry #9 from Entry Title List

Next Entry

The difference of vertically and horizontally polarized brightness temperatures at 37 GHz frequency (wavelength about 8 mm) of the scanning multichannel microwave radiometer (SMMR) on board the Nimbus-7 satellite has been processed as monthly composites of global observations from January 1979 to December 1986. Only the first twelve months of these data are currently available; the remainder are under study and may be available in the future. The integrated average of these 96 months of global data has been colour-coded in a photograph and has been annotated as the microwave vegetation index. The spatial resolution of the digital data is 0.25 degrees by 0.25 degrees (latitude by longitude) and the global images are stored on magnetic tapes on a Mercator projection. No spatial or temporal smoothing has been

Print

Cancel

Find Keyword

Inventory Search

Sample List...

Link

Help

View Information:

- Summary
- Reference
- Quality
- Entry (DIF)
- GUIDE
- Data Set

Sample Title List

The screenshot shows a window titled "Sample List" with a green background. At the top, there are three status boxes: "8 Entries", "Green Pages for Windows", and "1 Selected Entry". Below these is a table with three columns: "Sample Description", "Type", and "Size". The first row is highlighted in red. Below the table is a horizontal scrollbar. At the bottom, there are four buttons: "Cancel" (with a red X icon), "View Entry", "Select All", and "Help" (with a question mark icon).

Sample Description	Type	Size
Global Vegetation Index for January 2, 1991	IMAGE GI	79685
Global Vegetation Index for January 2, 1991 (Compressed)	IMAGE JF	22160
Global Vegetation Index for January 16, 1991	IMAGE GI	81701
Global Vegetation Index for January 16, 1991 (Compressed)	IMAGE JF	20728
Global Vegetation Index for January 30, 1991	IMAGE GI	83348
Global Vegetation Index for January 30, 1991 (Compressed)	IMAGE JF	20735
Global Vegetation Index for February 13, 1991	IMAGE GI	79618
Global Vegetation Index for February 13, 1991 (Compressed)	IMAGE JF	20371

Inventory System Search

The screenshot shows the 'Inventory System Search' window with the following components:

- Selected Entry Titles:** A list of five entries:
 1. NASA 233 color image of shuttle, astronauts on space walk and earth in the
 2. (ECETOC) European Chemical Industry Ecology & Toxicology Centre's Techn
 3. Food Consumption Data for Calories/Protein/Fat from 1964-1988
 4. NASA 45 color image of earth from space
 5. Scanned Image of Famous Feline
- Search Mode:** Two radio buttons: Union and Intersection.
- Field Names:** A list with 'country' selected.
- Current Field Info:** A text area containing 'Character'.
- Current Field Value:** A text area containing 'france'.
- Add to Search:** A button to add the current field value to the search.
- Boolean Search Expression:** A text area containing 'country = france'.
- Boolean Operators:** Buttons for '&', '|', '~', '(', and ')'.
- Buttons:** 'Cancel', 'Search', and 'Help'.

Inventory Title List

Lists resultant titles from inventory search.

Inventory Viewer

Displays textual inventory content or summary.

Inventory Browser

Similar in function to Sample Title List except at the inventory level rather than directory level.

