

01 Feb 2010

Technical Note

Using di Gallery Web Application

Background

This document describes the logic and rules of searching for DevInfo gallery objects – tables, graphs and maps - using the di Gallery web application.

di Gallery

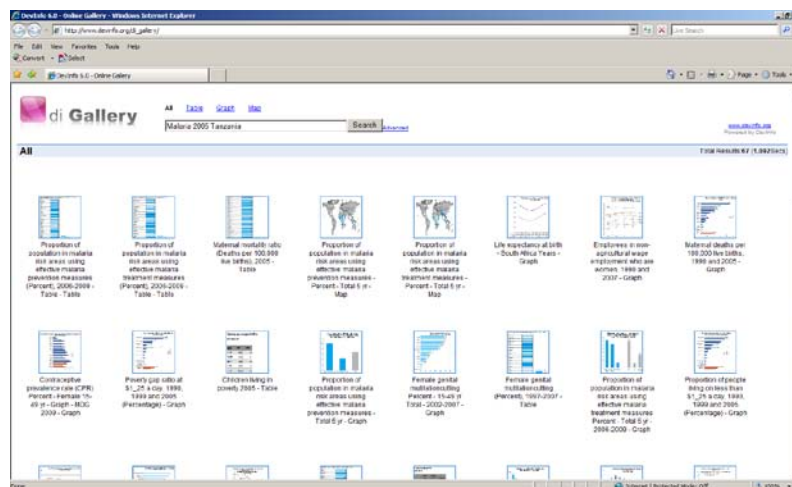


Fig 1.1 - di Gallery

The di Gallery web application (also known as online gallery) consists of presentation objects – tables, graphs and maps - created using the DevInfo User application. Both the DevInfo User and Database Administration applications contain utilities which allow users to generate an online gallery for publishing the selected presentation objects. Use the **Publish** option available under the di Gallery window of the DevInfo User application or the **Advanced** option under the Gallery module of the DevInfo Database Administration application to generate the online gallery. The online gallery contains files and folders which must be hosted on a web server.

Internet browsers such as Internet Explorer (IE version 6.0 onwards) can be used to run the online gallery application. Contact your web administrator to obtain the web address (URL) of your hosted online gallery.

Search box

The online gallery allows searching for the presentation objects available within it. The home page of the online gallery application displays a search box (Fig 1.2). The search box works like the Google search box, in which the user has to enter keyword(s) in the search box to search for the presentation objects.

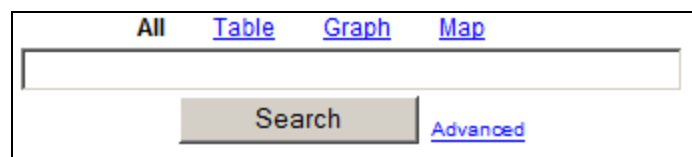


Fig 1.2 - Search bar



The online gallery contains options to search for all the presentation objects or specifically search for tables, graphs or maps.

Keywords

Keywords are **not** case sensitive. They can be entered in any sequence. For example, a user may type in any of the following three keywords:

- a) Population 2000 Nigeria
- b) 2000 Population Nigeria
- c) Nigeria Population 2000

The above strings contain the keywords "Population", "2000" and "Nigeria". When more than one keyword is entered, the search logic is based on the "OR" condition. In this example, the search results of all three strings will be the presentation objects (TGM) containing any or all of the three keywords.

Keywords are automatically generated when an online gallery is created. The user can set these keywords manually using the **Keyword Manager** option available under the di Gallery window of the DevInfo User application. They can be also set by using the **Advanced** option under the Gallery module in the DevInfo Database Administration application. Please refer the DevInfo User Guides on how to set keywords manually.

Each gallery object is saved along with its underlying data. Automatically generated keywords include the indicator, time period, area and source details of each object. An object can be searched on any or all of the keywords.

The application also displays along with the search result the number of searched objects and the time (in seconds) taken to search.

Exact Search

To perform an exact search using a keyword that contains more than one word, enclose the keywords within double quotes. Note that if the keyword itself includes double quotes, you must then enclose the double quote within single quote. You can also select the **Advanced** option next to the **Search** button to perform an exact keyword search.

For example:

Normal search

- Population South Africa

The above search string will result in all objects that contain "Population" or "South" or "Africa".

Exact search

- Population "South Africa"

The above search string will result in all objects that contain "Population" or "South Africa"



Search Logic

The search results are produced as per the weight and occurrence of the keywords in the search results. For example, if a keyword search is performed using "South Africa" without double quotes, the search engine produces all results which have following keywords:

- South Africa
- South
- Africa

The highest weight is given to the keyword "South Africa". The presentation objects that contain this keyword would be displayed at the top of the searched results.