

Guide to the Dryland Expert Database



The objective of the database is to keep track of institutes and experts active in the area, as well as to follow **new developments** with respect to projects, publications and events. The database is **freely accessible online**, and any institute active in the region can request a login to contribute or update the Dryland Expert Database. The online database **can be embedded in any website**, and is available as a full page, one column, or as a search bar.

Content

Structure of the Database	2
Information available in the Database.....	4
How to add information?	6
Step 1: Request access to the Database	6
Step 2: Enter to the platform to enter your data.....	6
Step 3: Enter your data records	7
Update the information of your institution	7
Enter a specialist	8
Enter a project.....	10
Enter a publication	11
Enter an event	12
Instructions to make links	13
Embedding the Dryland Expert Database in websites	14

Structure of the Database

The **Administrator** page of the Database is the place where one can add and modify data stored in the Database. To enter to the Administrator page you need a password.

The **Portal** of the Database visualizes all the data stored in the Database. It is accessible for everyone and can be embedded in different web pages.

Administrator

- Database in server
- Different types of users
- Every institution can modify their data and store new data of experts, publications, projects and events



Display

- Visualizes all data stored in the Database
- Calendar with all events marked on
- Advanced search tool
- Can be embedded in different web pages

Fig. 1 Structure of the Database



Fig. 2 Portal of the Dryland Expert Database




Fig. 3 Administrator page of the Dryland Expert Database

Information available in the Database

- **Institutions:** direction, telephone, fax, summary of activities, image, archive, representative(s), mail, web site and type of institution
- **Projects:** name, geographic area, country, general objective, specific objective, thematic area, project abstract and document
- **Publications:** title, web site, summary, year, language, type, ISSN, ISBN, location, image and document
- **Events:** title, date, web site, type, image, link (youtube or extern), summary and document
- **Specialists:** name, direction, telephone, mail, web site, photo, archive, formation, experience and personal summary.

Every specialist, publication, event, project and institution has his own webpage with all information and can be linked to associated specialists, publications, events, projects or institutions

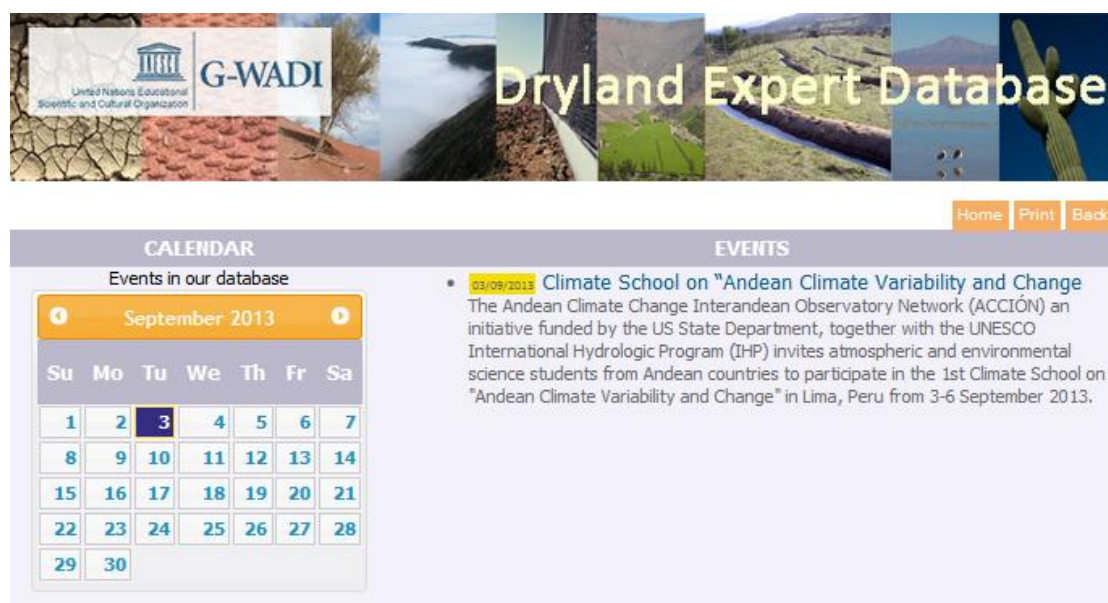


[Home](#) | [Print](#) | [Back](#)

Project: Managing Water Resources in Latin America and the Caribbean			
Alias:	MWAR-LAC		
Geographical Areas:	Multinacional		
Country:	Chile		
Start Date:	29-10-2013		
End Date:	29-10-2013		
All Issues:	<ul style="list-style-type: none"> • Degradación de Tierra • Desertificación • Sequía 		
region or municipality::	América Latina		
General Purpose: The objective of the MWAR-LAC project is to strengthen the capacity to manage the water resources of arid and semiarid areas in LAC through networking and facilitating international and regional cooperation. This will be achieved by developing pilot experiences and participating in regional projects together with relevant partners in Latin America.	Project Abstract: The MWAR -LAC project is funded by the Flanders-UNESCO Science Trust Fund (FUST) and is implemented by the UNESCO International Hydrological Programme (IHP) in collaboration with the Water Center for Arid and Semi-Arid Zones in Latin America and the Caribbean (CAZALAC) located in la Serena, Chile, which belongs to the network of Category II centers under the auspices of UNESCO.		
Specific Purpose: The project has three main thematic priorities: improved water governance as a basis to attain integrated water resources management; use of modern techniques and methodologies to assess and improve water use efficiency; hydro-climatic risk management including decision making;	Download		
SPECIALISTS	PUBLICATIONS	INSTITUTIONS	EVENTS
<ul style="list-style-type: none"> • Jorge Nuñez 	There are no elements	<ul style="list-style-type: none"> • Centro del Agua para Zonas Áridas de América Latina y el Caribe 	<ul style="list-style-type: none"> • 23/01/2014 - Taller del Atlas de Sequias en Caribe

Fig. 4 Example of a webpage of a project

The **calendar** incorporated in the database holds information on important events in the area of Desertification, Drought and Land Degradation. When a date is selected on the calendar all events on this date are shown.



The screenshot shows the 'Dryland Expert Database' header with the G-WADI logo. Below the header, there are navigation buttons: 'Home', 'Print', and 'Back'. The main content area is divided into two sections: 'CALENDAR' and 'EVENTS'.

CALENDAR
Events in our database

September 2013

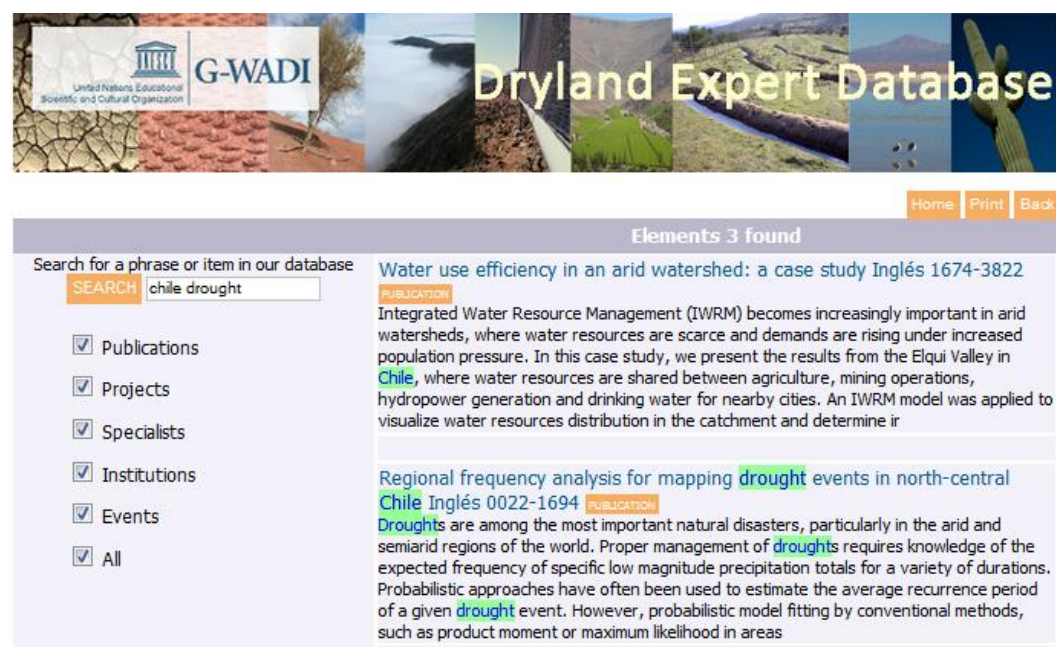
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

EVENTS

- 03/09/2013 Climate School on "Andean Climate Variability and Change"**
 The Andean Climate Change Interandean Observatory Network (ACCIÓN) an initiative funded by the US State Department, together with the UNESCO International Hydrologic Program (IHP) invites atmospheric and environmental science students from Andean countries to participate in the 1st Climate School on "Andean Climate Variability and Change" in Lima, Peru from 3-6 September 2013.

Fig. 5 The Calendar of the Database with events of selected date shown

Within the Database a **search tool** is installed that allows you to search within the data. You can specify the field in which you want to search: specialists, publications, events, projects, institutions or all. In this way it is easy to search for example for specialists working in the same country as you on a particular subject.



The screenshot shows the 'Dryland Expert Database' header with the G-WADI logo. Below the header, there are navigation buttons: 'Home', 'Print', and 'Back'. The main content area is divided into two sections: 'Search' and 'Elements 3 found'.

Search
Search for a phrase or item in our database

SEARCH

☒ Publications
☒ Projects
☒ Specialists
☒ Institutions
☒ Events
☒ All

Elements 3 found

Water use efficiency in an arid watershed: a case study Inglés 1674-3822 **PUBLICATION**
 Integrated Water Resource Management (IWRM) becomes increasingly important in arid watersheds, where water resources are scarce and demands are rising under increased population pressure. In this case study, we present the results from the Elqui Valley in **Chile**, where water resources are shared between agriculture, mining operations, hydropower generation and drinking water for nearby cities. An IWRM model was applied to visualize water resources distribution in the catchment and determine its

Regional frequency analysis for mapping drought events in north-central Chile Inglés 0022-1694 **PUBLICATION**
Droughts are among the most important natural disasters, particularly in the arid and semiarid regions of the world. Proper management of **droughts** requires knowledge of the expected frequency of specific low magnitude precipitation totals for a variety of durations. Probabilistic approaches have often been used to estimate the average recurrence period of a given **drought** event. However, probabilistic model fitting by conventional methods, such as product moment or maximum likelihood in areas

Fig. 6 Example of search in the Database, based on a term ('sequía') and a country ('Chile').

How to add information?

Step 1: Request access to the Database



Selection the button at the homepage of the database. A [login request](#) form will be displayed that allows selecting a login and a password. Once you login is created, you can access the administrator part of the database and add/change content.

Request Login Dryland Expert Database

Fig. 7 Database login request form

Step 2: Enter to the platform to enter your data



From the homepage of the Database click the button or go to <http://database.cazalac.org/administrator/>

Following page is opened:

Fig. 8 Page to enter to the Administrator page

Enter the username and password you received by mail. When you are logged in you enter to the homepage of the Administrator.



Fig. 9 Administrator homepage with five data types you can enter to the Database


Step 3: Enter your data records

At the homepage of the Administrator you select the type of data you want to enter or modify: Specialists, Events, Publications, Projects or Institutions.

Update the information of your institution

Click on Institution at the homepage of the Administrator.



To change information of your institution click on . In the following window enter all data of the institution: address, telephone, and fax, summary of activities, image, archive, representative, mail, web site and type of institution. Once all data are entered save your data by



clicking .

Administrador: Programa Hidrológico Internacional - UNESCO

Institución: Programa Hidrológico Internacional - UNESCO
FINALIZAR

Editar mis datos

Guardar

Código:

Tipo:

- Seleccione -

Nombre:

Representante 1:

Acronimo:

Representante 2:

Dirección:

País:

- Seleccione -

Estado:

E-mail:

Provincia:

Código Postal:

Casilla postal:

Fax 1:

Teléfono 1:

Fax 2:

Teléfono 2:

Sitio web:

Teléfono 3:

Resumen actividades:

Imagen:

Browse...

No file selected.

jpg, gif, png

Archivo:

Browse...

No file selected.

doc, pdf, xls

Fig. 10 Form to update information of your institution

To go back to the homepage of the Administrator click on the area that says ‘Administrator’.

Enter a specialist

Click on specialist in the homepage of the Administrator. The next window shows a list of all specialists entered in the Database by your institute. You can search a specialist, edit data of a specialist, delete a specialist or add a specialist.

To create a new specialist click on the button . In the next page enter all the data of the specialist: name, address, telephone, mail, web site, photo, archive, formation, experience and personal summary. To enter the institution formation and country use the drop down menu.

8

Administrador: Programa Hidrológico Internacional - UNESCO
Institución: Programa Hidrológico Internacional - UNESCO FINALIZAR

Editar especialista

Guardar
 Cerrar

Editar Especialista:

Nombre:
Institución: Programa Hidrológico Internacional - UNESCO
Dirección:
Ciudad:
Teléfono:

Formación:
Otra:
País:
E-mail:
Código Postal:
Sitio web:

Experiencia:
Resumen Perfil:
Instituciones:

Imagen:
Browse... No file selected. jpg, gif, png
Archivo:
Browse... No file selected. doc, pdf, xls

Asociaciones

+ Publicaciones
+ Eventos
+ Proyectos

Fig. 11 Form to enter specialists

To add an image or document, click on the button search and select the image or document you want to upload to the Database.

Imagen:
Examinar...
Ningún archivo seleccionado.
jpg, gif, png

Archivo:
Examinar...
Ningún archivo seleccionado.
doc, pdf, xls

You can also link publications, events or projects associated with the specialist. To add links follow the instructions explained in the section “Instructions to make links” below.



When you entered all data, save the page by clicking on .

To go back to the homepage of the Administrator click on the area that says ‘Administrator’.

Enter a project

Click on project in the homepage of the Administrator. The next window shows a list of all projects entered in the Database by your institute. You can search a project, edit data of a project, delete a project or add a project.




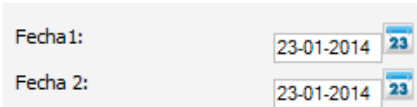
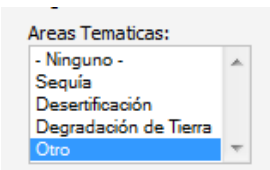
To create a new project click on the button . In the next page enter all the data of the project: name, alias (acronym), geographic area, country, project duration, general objective, specific objective, thematic area, project abstract and document.

Fig. 12 Form to enter Project data

To enter the geographic area and country use the drop down menu. The duration of the project is

entered by selecting the beginning date and end date .

To enter the thematic areas select the themes by clicking , to select more than one theme use 'shift'.

To upload a document click on the button search and select the document.

You can also link publications, events, specialists or institutions associated with the project. To add links follow the instructions explained in the section “Instructions to make links” below.



When you entered all data, save the page by clicking on **Guardar**.

To go back to the homepage of the Administrator click on the area that says ‘Administrator’.

Enter a publication

Click on publication in the homepage of the Administrator. The next window shows a list of all publications entered in the Database by your institute. You can search a publication, edit data of a publication, delete a publication or add a publication.



To create a new publication click on the button **Nuevo**. In the next page enter all the data of the publication: title, web site, summary, year, language, type, ISSN, ISBN, journal information (name, number and pages), location, youtube video or external link, image and document.



The screenshot shows the 'Adminstrador: Programa Hidrológico Internacional - UNESCO' interface. The main title bar is dark grey with the text 'Adminstrador: Programa Hidrológico Internacional - UNESCO'. Below the title bar, there is a navigation bar with 'Institución: Programa Hidrológico Internacional - UNESCO' and a 'FINALIZAR' button. The main content area is titled 'Editar Publicaciones' and contains a form for editing publication data. The form is divided into two columns. The left column contains fields for 'Código:', 'Título:', 'Sitio web:', 'Año' (with a dropdown menu), 'Idioma' (with a dropdown menu), 'Resumen:' (a large text area), 'Imagen:' (with a 'Browse...' button and 'No file selected.' text), and 'Documento:' (with a 'Browse...' button and 'No file selected.' text). The right column contains fields for 'Ubicación:', 'Tipo' (with a dropdown menu), 'ISSN', 'ISBN', 'Revista' (with a dropdown menu), 'Nombre:', 'Número:', 'Páginas:', 'Link externo', and 'Link Youtube'. At the bottom of the form, there is a section titled 'Asociaciones' with four buttons: '+ Instituciones', '+ Especialistas', '+ Proyectos', and '+ Eventos'.

Fig. 13 Form to enter publication data

To enter the year, language and type use the drop down menu. To upload an image or a document click on the button search and select the document or image.

You can also link project, events, specialists or institutions associated with the project. To add links follow the instructions explained in the section “Instructions to make links” below.



When you entered all data, save the page by clicking on [Guardar](#).

To go back to the homepage of the Administrator click on the area that says ‘Administrator’.

Enter an event

Click on event in the homepage of the Administrator. The next window shows a list of all events entered in the Database by your institute. You can search an event, edit data of an event, delete an event or add an event.



To create a new event click on the button [Nuevo](#). In the next page enter all the data of the event: title, date, web site, type, image, link (youtube or external), summary and document.

The screenshot shows a web application interface for the 'Programa Hidrológico Internacional - UNESCO'. The main header is 'Adminstrador: Programa Hidrológico Internacional - UNESCO'. Below the header, there's a sub-header 'Institución: Programa Hidrológico Internacional - UNESCO' and a 'FINALIZAR' button. The main content area is titled 'Editar Eventos' and contains a form with the following fields:

- Titulo:** Text input field.
- Fecha:** Date input field showing '23-01-2014' and a calendar icon.
- Sitioweb:** Text input field.
- Tipo:** Dropdown menu with '- Selecciona -'.
- Imagen:** File upload button labeled 'Browse...' with 'No file selected.'
- Link Youtube:** Text input field.
- Link externo:** Text input field.
- Resumen:** Text area.
- Archivo Afiche, doc:** File upload button labeled 'Browse...' with 'No file selected.' and supported file types: 'jpg, gif, doc, pdf, xls'.

Below the form, there's a section titled 'Asociaciones' with four buttons: '+ Instituciones', '+ Proyectos', '+ Especialistas', and '+ Publicaciones'.


Fig. 14 Form to enter event data

To enter the type of the event use the drop down menu. To upload an image or document click browse.

The date of the event entered here will be highlighted on the calendar of the Portal of the Database.

You can also link project, publication, specialists or institutions associated with the project. To add links follow the instructions explained in the section “Instructions to make links” below.



When you entered all data, save the page by clicking on .

To go back to the homepage of the Administrator click on the area that says ‘Administrator’.

Instructions to make links

At the pages to enter data of projects, publications, events and specialists you can make links.


Asociaciones

Instituciones

Especialistas

Publicaciones

Eventos

To make a link click on , a list with data elements will be displayed where you can select the data element which you want to link. You can use the search tool (‘buscar’) to find data records fast.

<div> <div>Buscar</div> <input type="text"/> <div>Buscar</div> </div>						
ID		Nombre	Representante	Tipo	Pais	Teléfono
255	Agregar	Sistema Nacional de las Áreas de Conservación del Ministerio de Ambiente, Energía y Telecomunicaciones		Costa Rica	Costa Rica	
254	Agregar	Universidade Estadual Paulista		Brasil	Brasil	
210	Agregar	Universidad de Costa Rica		Costa Rica	Costa Rica	+506 20431111

When the data record is not already entered in the Database you can add it from this window. At the end of the list of data elements you can enter a new data element. It is important that you complete the information of the newly added data element afterwards.

298	Agregar	Universidad de Cuenca		Ecuador	Ecuador	+593 7-405-1000
299	Agregar	Universidad de Yale				
<div> <div>Agregar nuevo</div> <input type="text"/> <div>Guardar</div> </div>						

Embedding the Dryland Expert Database in websites

The Dryland Expert Database can be embedded in three different ways.

- A first option is to embed the complete database page in your website, showing the search module, the calendar and the 5 most recent entries of Institutes, Experts, Projects, Publications and Events.

```
<!-- Script to be copied into any html page--> <iframe  
src="http://database.cazalac.org/index.php/en/" width="805" height="800" align="left"  
frameborder="0" > </iframe> <!-- Fin del script -->
```

- A second option is to embed the database as a column in your website, showing the search module, the calendar and the 5 most recent entries of Institutes, Experts, Projects, Publications and Events, vertically.

```
<!-- Script to be copied into any html page --> <iframe  
src="http://database.cazalac.org/index.php/en/?task=dos" width="560" height="800"  
align="left" frameborder="0" > </iframe> <!-- Fin del script -->
```

- A third option is to embed only the search module in your website.

```
<!-- Script to be copied into any html page --> <iframe  
src="http://database.cazalac.org/index.php/en/?task=solobuscar" width="300"  
height="320" frameborder="0" > </iframe> <!-- Fin del script -->
```