

A Web Knowledge Management System for technical and scientific cooperation in the water sector:

AquaKnow

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aquaknow

www.aquaknow.net





What? AquaKnow is an **online** interactive platform to **share** documents, **data**, information, **ideas**, experiences and **work** with other stakeholders involved in the **WATER** sector

Why? To support the **dialogue** and the work of **networks of practitioners**, experts and institutions in the water sector through **WEB technologies**

Some statistics:

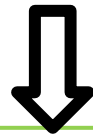
- 7.115 contents
- 725 users
- 30 groups
- 1.100 memberships
- 20.000 unique visitors last year

AquaKnow Community



Water sector constraints

- Numerous Stakeholders : various level of decision and action
- Fragmented information
- Complex data: basic types up to models, GIS...



Content Management System (CMS) requirements

- Open source software
- User generated content
- User friendly interface

Water Community Needs

- User shape solution
- Collaborative work/networking/learning tools



Custom WEB-based
knowledge
management tool



Make searchable data – tools – and knowledge available online on water issues



Some data and tools already online...

- The interactive version of the Water Project Toolkit
- Trainings and universities providing courses related to water
- Raw data related to water issues
- National meteorological and hydrological services (contacts)
- Linguistic tools, GIS studies, handbooks, reports.

The User Creates and Manages Content

*Using DIRECT contribution of USER = first-hand information
NO DUPLICATION -> make knowledge searchable*

-  Documents
-  Events
-  Working Group
-  News
-  Link



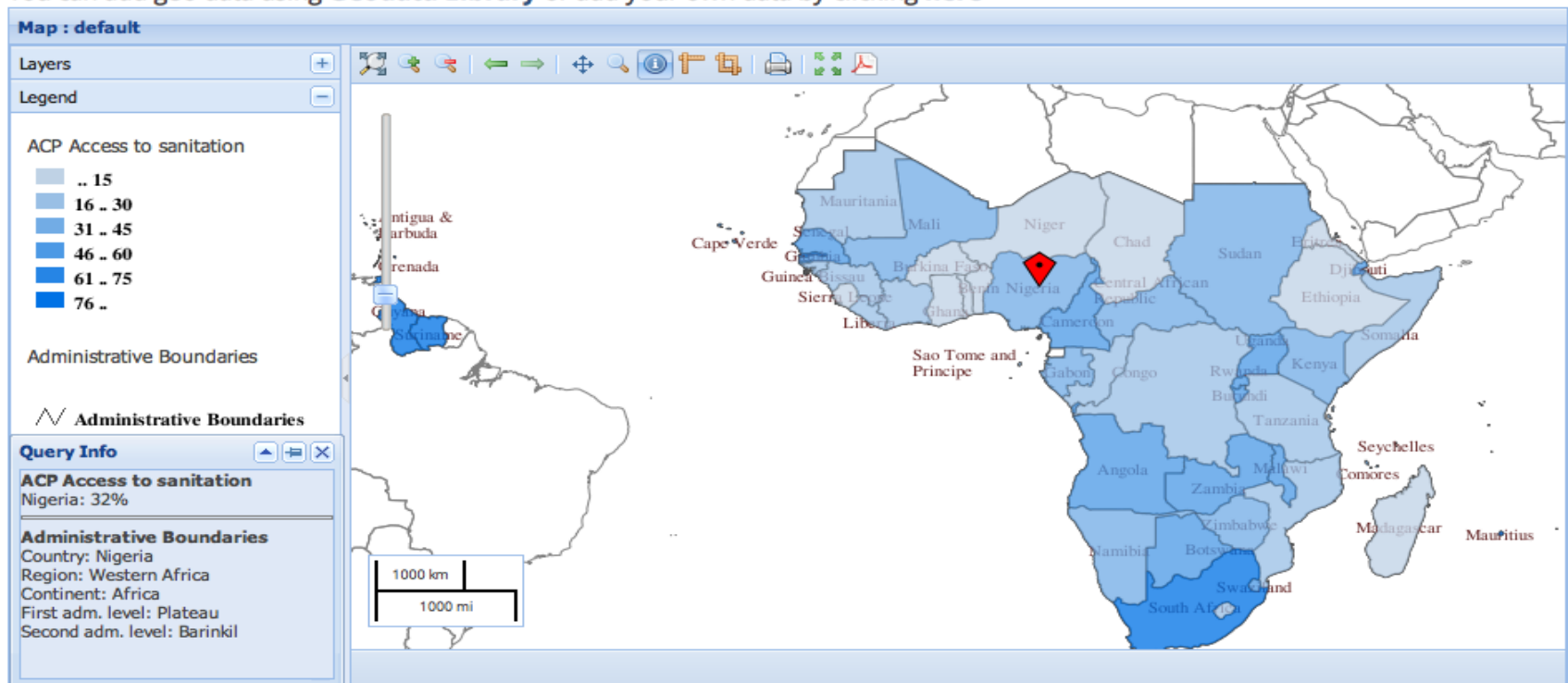
The screenshot shows the aquaKnow web application interface. The header features the aquaKnow logo and a navigation bar with tabs for Data, Events, Library (selected), News, and Community. Below this is a sub-navigation bar with links for Documents, Files, Videos, Images, and Links. A user profile for 'Water Team' is visible in the top right, showing Messages (5), Activity, Groups, and Map Tool, along with a Logout button. A 'Create content' button is also present. The main content area displays 'Latest Library Entries' with a specific entry titled 'Listado de Puntos Focales EUROCLIMA'. This entry was submitted by the Water Team on 16 January, 2012, at 12:54. It is noted as being 'Posted in groups' under 'EUROCLIMA-Agua'. The description states: 'Este documento incluye los Puntos Focales del proyecto EUROCLIMA a fecha del 15 de Enero de 2012.' Below the description are options to 'Add new comment', '83 reads', '1 attachment', and 'Bookmark this'. A search bar is located on the right side of the interface, and a dropdown menu is open, showing options: Document, Image, Link, Video, Event, Map, Working Group, News, Share, and Blog entry.

GIS Tool

The Geographical Information System (GIS) tool allows users to share and visualize geographical data.

Map Tool

You can add geo data using **Geodata Library** or add your own data by clicking [here](#)

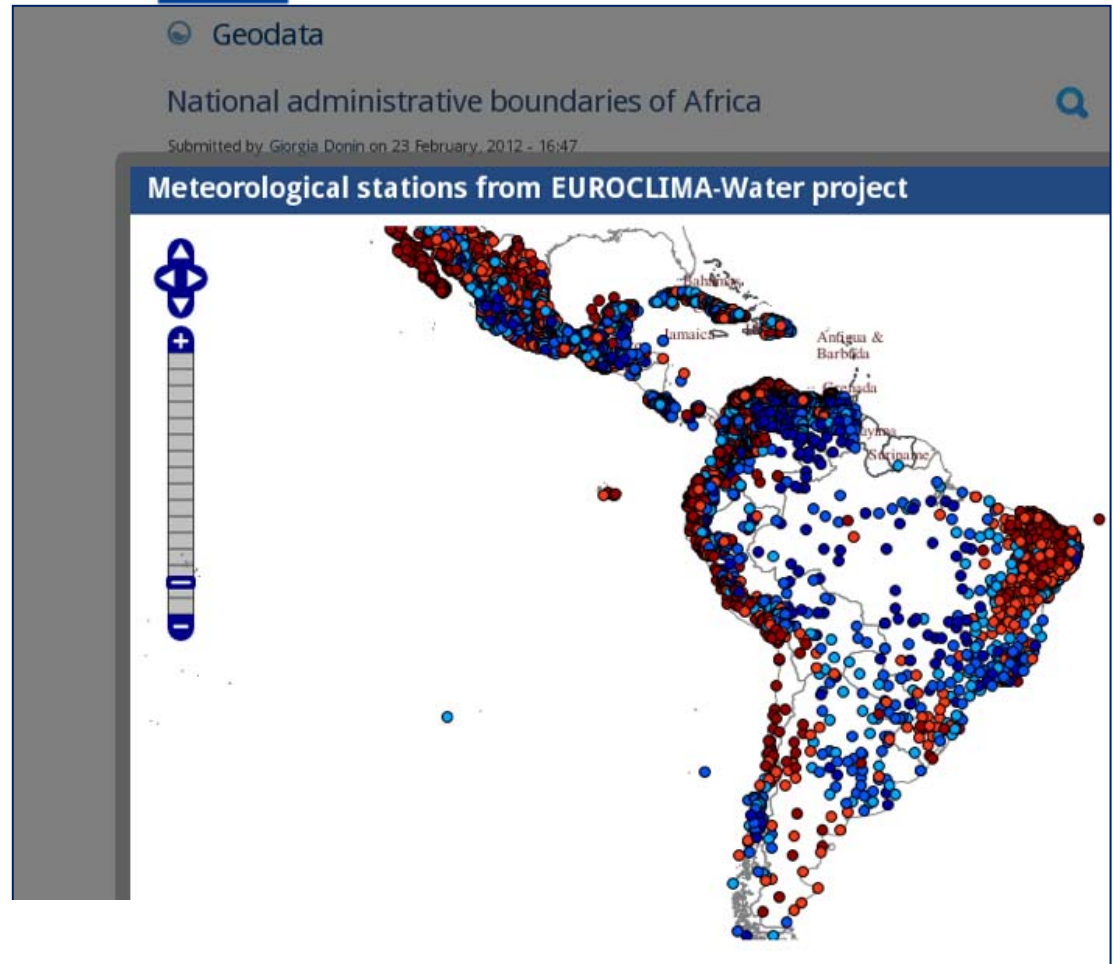


Sharing data:

- Import and share data from user file (csv, shapefile) and from external Web Map Service (WMS)
- Browse data in library
- Export data

Search Library

Search



WMS - Web Map Services



Import data from an external WMS services

This feature allows you to import layers from an external WMS service to be shown on a map . (Wikipedia: WMS)



Import your data in CSV format

This feature allows you to import your own data on CSV files to be shown on a map .

AquaKnow Geodata Library

 Add to Map Tool

Submitted by Juan AREVALO on 16 January, 2012 - 10:52

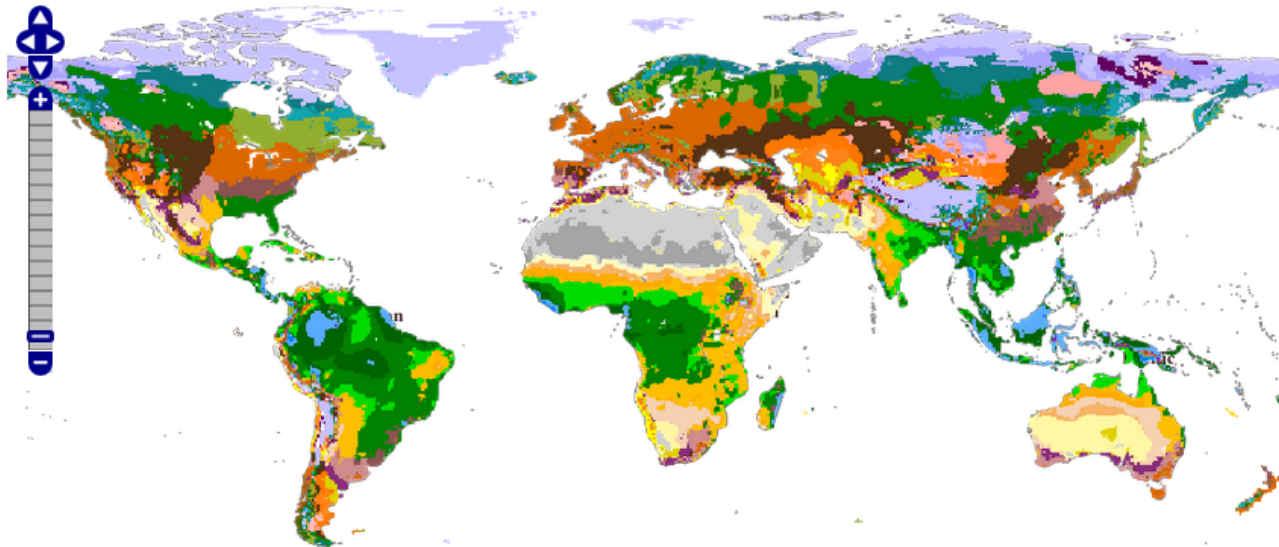
holdridge life zone map

Base URL: <http://geonetwork3.fao.org/ows/1006?>

Layers: holdridge_life_zone

Copyrights Informations: Web Map Service maintained by FAO

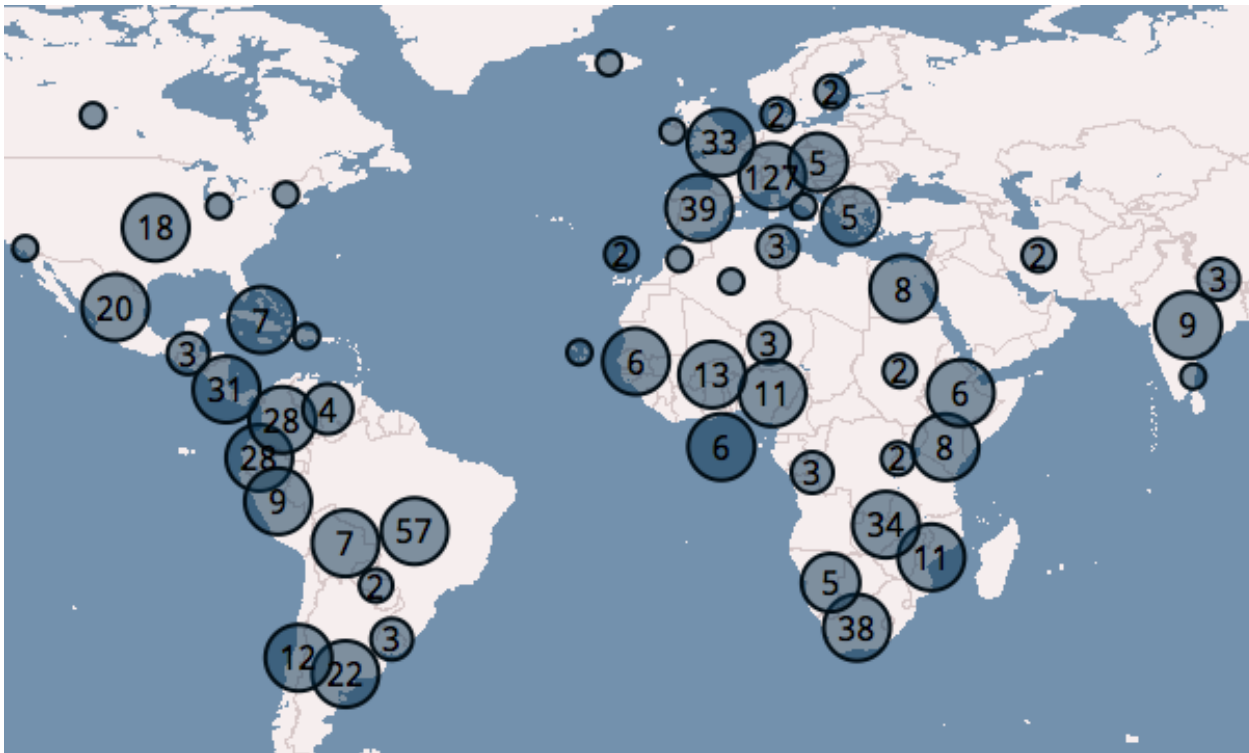
This data set is a combination of climate and vegetation (ecological) types, under current, so-called normal climate conditions, as well as under a presumed doubling of atmospheric CO₂. The Life Zones were devised using three indicators: biotemperature (based on the growing season length and temperature); mean annual precipitation; and a potential evapotranspiration ratio, linking biotemperature with annual precipitation to define humidity provinces. The data set has a total of 38 life-zone classes.



- Database with maps on water and socio-economic indicators
- Share geographical information with other experts
- Improve your data analysis

Spatial Analysis tools available very soon!

Working groups, sharing knowledge



This platform aims to build an interactive space in which different users can create their own working groups in order to collaborate, share ideas, data, documents and their professional know how!

Example:



Search user

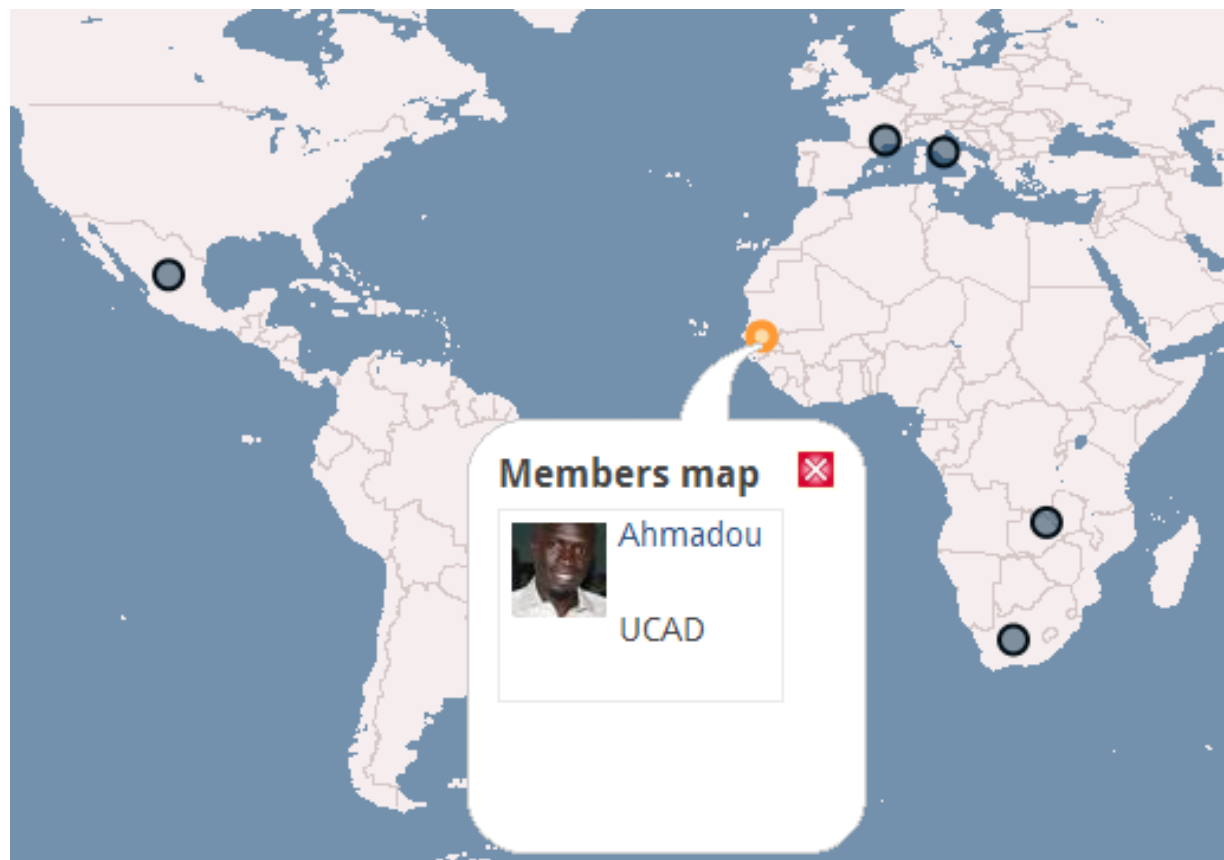
Thematic Area of interest

- ☐ Agriculture - Food
- ☐ Climate change
- ☐ Education- awareness
- ☐ Environment- ecosystem
- ☐ Gender
- ☐ Health-hygiene
- ☐ Research
- ☐ Communication-reporting
- ☐ Development - cooperation
- ☐ Governance
- ☐ Infrastructures- technologies
- ☐ Project- Program management
- ☐ Remote sensing
- ☐ Water resources management
- ☐ Other

Geographic Area of interest

- ☐ Africa
- ☐ Americas
- ☐ Asia
- ☐ Europe
- ☐ Oceania

Find experts on your geographic and thematic areas of interest



RALCEA Working GROUP



The screenshot shows the Aquaknow interface for the RALCEA (Centros de Excelencia en America Latina) group. The top navigation bar includes links for Dashboard, Events, Library, News, Members, and Partners. A login box on the right contains fields for Username (waterteam) and Password (masked), with links for 'Create new account' and 'Request new password'. Below the navigation bar, a breadcrumb trail shows the path: Home > Community > RALCEA (Centros de Excelencia en ...) > RALCEA (Centros de Excelencia en America Latina). The main content area is divided into two columns. The left column features a 'Group highlights' section with a star icon, followed by a news item titled 'Instituciones Latino-Americanas Colaboradoras de RALCEA' with a brief description and a 'read more' button. Below this are tabs for 'News', 'Activity', and 'About this group'. The 'Latest documents' section lists two items: 'Acta reunión seminario L-momentos Julio 2011 - Ispra (Italia)' dated 28 November 2011, and 'RALCEA en el CODIA XII - Presentacion'. The 'Latest news' section lists two items: 'Instituciones Latino-Americanas Colaboradoras de RALCEA' dated 10 June 2011, and 'Water is the basis of life - 1st newsletter'. The right column features a 'Search in this group' box with a search input and a 'Search' button. Below this is a summary box showing 'Members: 116' and 'Documents: 82', with a 'Public' status indicator and a green 'Request membership' button.

aquaknow

Group >>> RALCEA (Centros de Excelencia en America Latina)

Dashboard Events Library News Members Partners

Home Community RALCEA (Centros de Excelencia en ...) RALCEA (Centros de Excelencia en America Latina)

Group highlights

Instituciones Latino-Americanas Colaboradoras de RALCEA
Pueden consultar los resultados de la llamada a colaboración del proyecto RALCEA en el apartado "Partners".

read more

News Activity About this group

Latest documents

- Acta reunión seminario L-momentos Julio 2011 - Ispra (Italia)
28 November 2011
- RALCEA en el CODIA XII - Presentacion

Latest news

- Instituciones Latino-Americanas Colaboradoras de RALCEA
10 June 2011
- Water is the basis of life - 1st newsletter

Search in this group

Search

Members: 116
Documents: 82

Public

Request membership

Long distance work:

- > reduces costs
- > increases efficiency

Aquaknow is a tool for supporting networks of practitioners.

aquaknow

Water Resources
Knowledge for
development and growth



CREATE



AGGREGATE



CONSULT

a virtual space for collaboration
www.aquaknow.net

Thanks for your attention

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