

# Registering HydroServer Lite on HIS Central

## What is HIS Central?

HIS Central is a catalogue of public websites (Hydroservers) with published hydrological and water quality data. When your organization's HydroServer is registered at HIS Central, users from other schools and organizations can find it easily and compare your results with data from other organizations in your area.

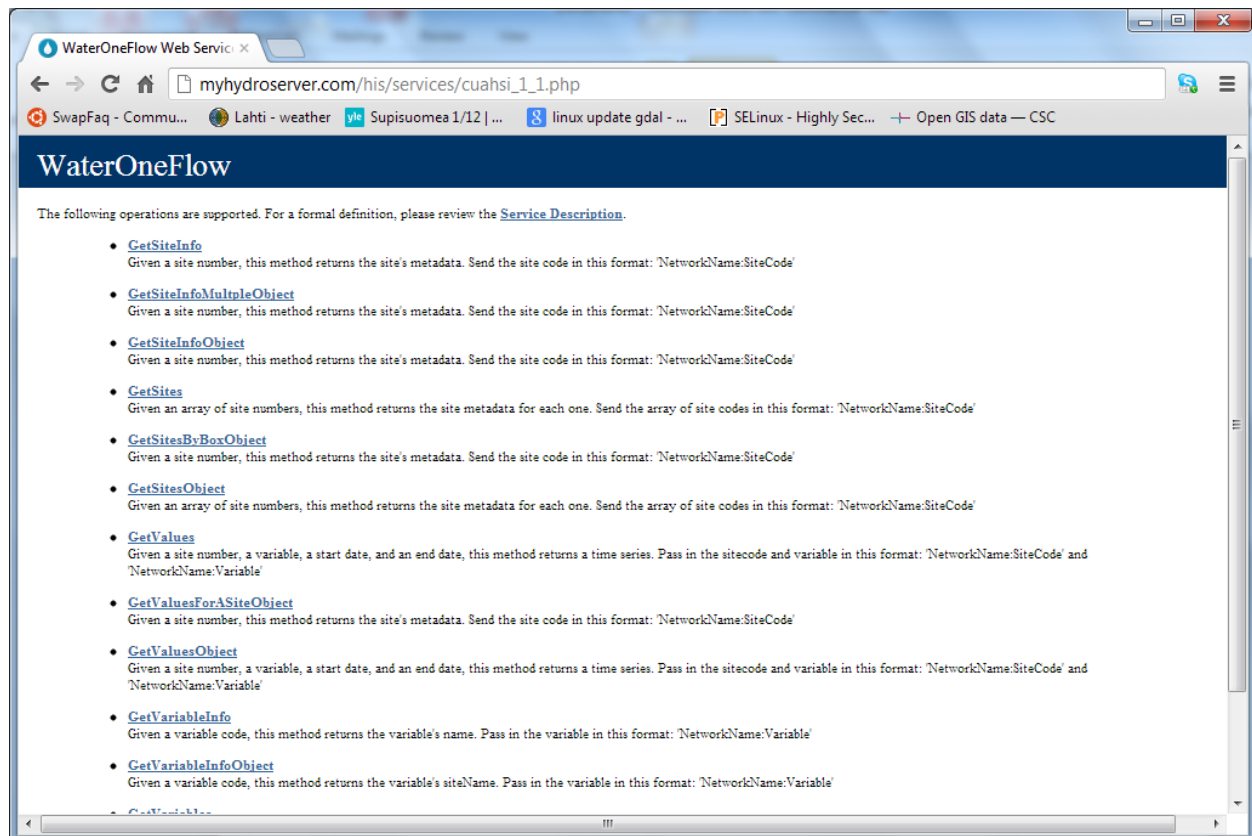
## Step 1 Check the Services Folder

When you install HydroServer Lite to your website for example [www.myhydroserver.com/his/](http://www.myhydroserver.com/his/) there should be two subfolders:

1. [www.myhydroserver.com/his/client/](http://www.myhydroserver.com/his/client/)
2. [www.myhydroserver.com/his/services/](http://www.myhydroserver.com/his/services/)

The services folder is a special folder that is used by HIS Central catalog to connect to your Hydroserver. In the services folder, click the Web service test page link. The address of the link should be similar to:

[http://www.myhydroserver.com/his/services/cuahsi\\_1\\_1.php](http://www.myhydroserver.com/his/services/cuahsi_1_1.php)



## Step 2 Create an account at HIS Central

Go to <http://hiscentral.cuahsi.org>

Go to **register** and enter a new user name, password, confirm password, email and security question. (The security question will be sent to you if you forget your password). Click **Create user** to confirm your user information.

## Step 3 Enter name and address of your HydroServer

Re-enter your new user name and password and click Login. On the menu go to **Add data service**.

Enter a Service Title. This is the name of your organization's HydroServer.

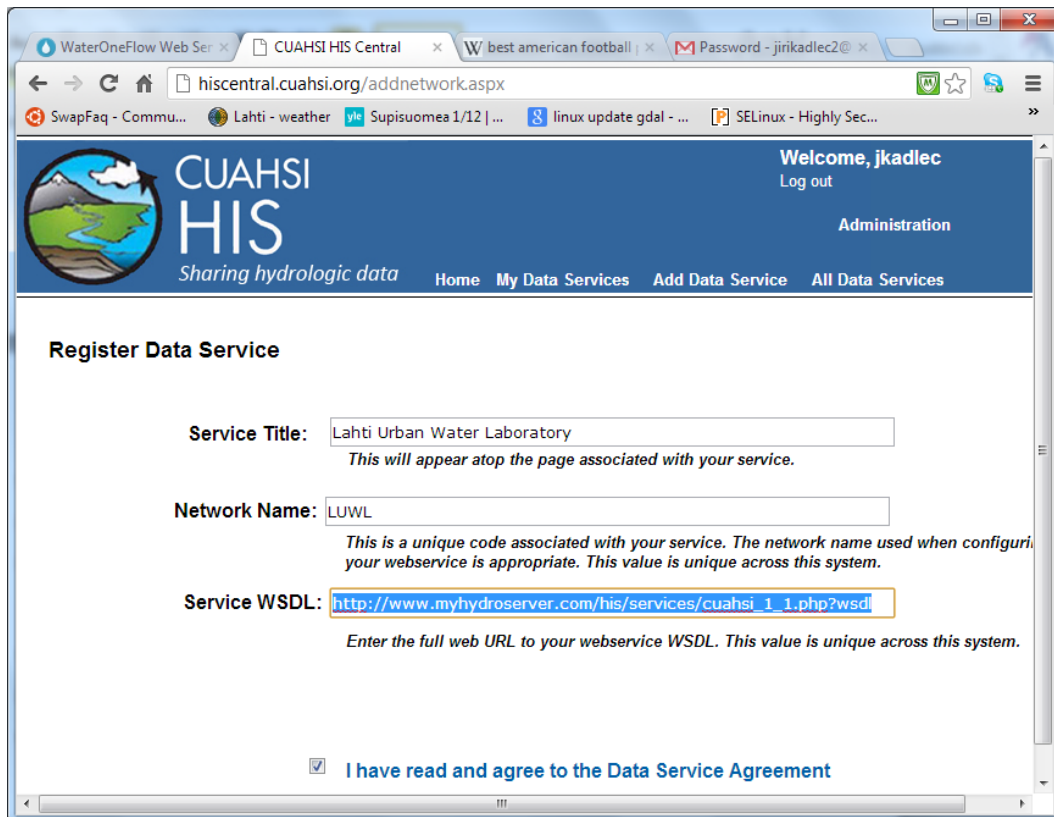
Enter a Network name. This should be a short code with letters or numbers (no spaces). E

Enter the Service WSDL. This is the web service test page with a suffix ?wsdl. For example, if the address of your web service test page in step 1 is

[http://www.myhydroserver.com/his/services/cuahsi\\_1\\_1.php](http://www.myhydroserver.com/his/services/cuahsi_1_1.php)

then you must enter:

[http://www.myhydroserver.com/his/services/cuahsi\\_1\\_1.php?wsdl](http://www.myhydroserver.com/his/services/cuahsi_1_1.php?wsdl)



The screenshot shows a web browser window with the URL [hiscentral.cuahsi.org/addnetwork.aspx](http://hiscentral.cuahsi.org/addnetwork.aspx). The page header includes the CUAHSI HIS logo, the text "Sharing hydrologic data", and a navigation menu with links: Home, My Data Services, Add Data Service, and All Data Services. A user is logged in as "jkadlec" with a "Log out" link. The main content area is titled "Register Data Service" and contains three input fields:

- Service Title:** The input field contains "Lahti Urban Water Laboratory". Below it is a note: "This will appear atop the page associated with your service."
- Network Name:** The input field contains "LUWL". Below it is a note: "This is a unique code associated with your service. The network name used when configuring your webservice is appropriate. This value is unique across this system."
- Service WSDL:** The input field contains [http://www.myhydroserver.com/his/services/cuahsi\\_1\\_1.php?wsdl](http://www.myhydroserver.com/his/services/cuahsi_1_1.php?wsdl). Below it is a note: "Enter the full web URL to your webservice WSDL. This value is unique across this system."

At the bottom of the form, there is a checkbox that is checked, followed by the text "I have read and agree to the Data Service Agreement".

Read the data service agreement and if you agree then click **NEXT**.

## Step 4 Enter details about your HydroServer

On the next page go to Edit details. Enter the detail information and click **Update**.

The screenshot shows a web browser window with the URL [hiscentral.cuahsi.org/network.aspx](http://hiscentral.cuahsi.org/network.aspx). The page has a blue header with the text "Sharing hydrologic data" and navigation links: Home, My Data Services, Add Data Service, and All Data Services. The main content area is titled "Data Service Details:" and includes links for "View Public Details Page" and "Usage Report".

The form contains the following fields and sections:

- Service Title:** Lahti Urban Water Laboratory
- Network Vocab:** LUWL
- Service WSDL:** [http://hydro.keskari.webfactional.com/services/cuahsi\\_1\\_1.php?wsdl](http://hydro.keskari.webfactional.com/services/cuahsi_1_1.php?wsdl)
- Source Info:**
  - Organization:** Aalto university department of environmental informatics
  - URL:** <http://geoinformatics.aalto.fi>
  - What organization is publishing this data?*
- Contact Info:**
  - Name:** Jiri Kadlec
  - Email:** [jirikadlec2@gmail.com](mailto:jirikadlec2@gmail.com)
  - Phone:** 311-506-258
  - Who is the primary contact?*
- Citation:**

Kadlec, J., Jolma, A. Lahti urban water laboratory for sustainable development.

*How do you want to be cited?*
- Abstract:**

The urban water laboratory experimental site studies the impact of stormwater runoff best management practices on water quality in the lake.

*Provide a brief description of your data.*

At the bottom of the form, there is a checkbox labeled "Is service public?" which is checked. Below it, a note states: "Service must be public to be accessible through this portal." At the very bottom, there are two buttons: "Update" and "Cancel".

Now you will see the public service details page.

## Step 5 Request Data Harvest

The Request Data Harvest step is required. In this step the HIS Central search catalog finds out which sites and variables are measured on your Hydroserver. Usually the Data harvest is repeated every week. If you need the data harvest quickly, contact the HIS Central manager Thomas Whitenack at [twhitenack@sdsc.edu](mailto:twhitenack@sdsc.edu)

## Step 6 Search data from your HydroServer in HydroDesktop

After the data harvest is completed you can see the sites from your HydroServer in HydroDesktop. HydroDesktop is a computer program for creating specialized maps, graphs and statistical analyses of hydrological data. It can be downloaded at <http://www.hydrodesktop.org>

In HydroDesktop map, go to the Search tab, go to your area and click Run Search. You should see the sites from your HydroServer.

