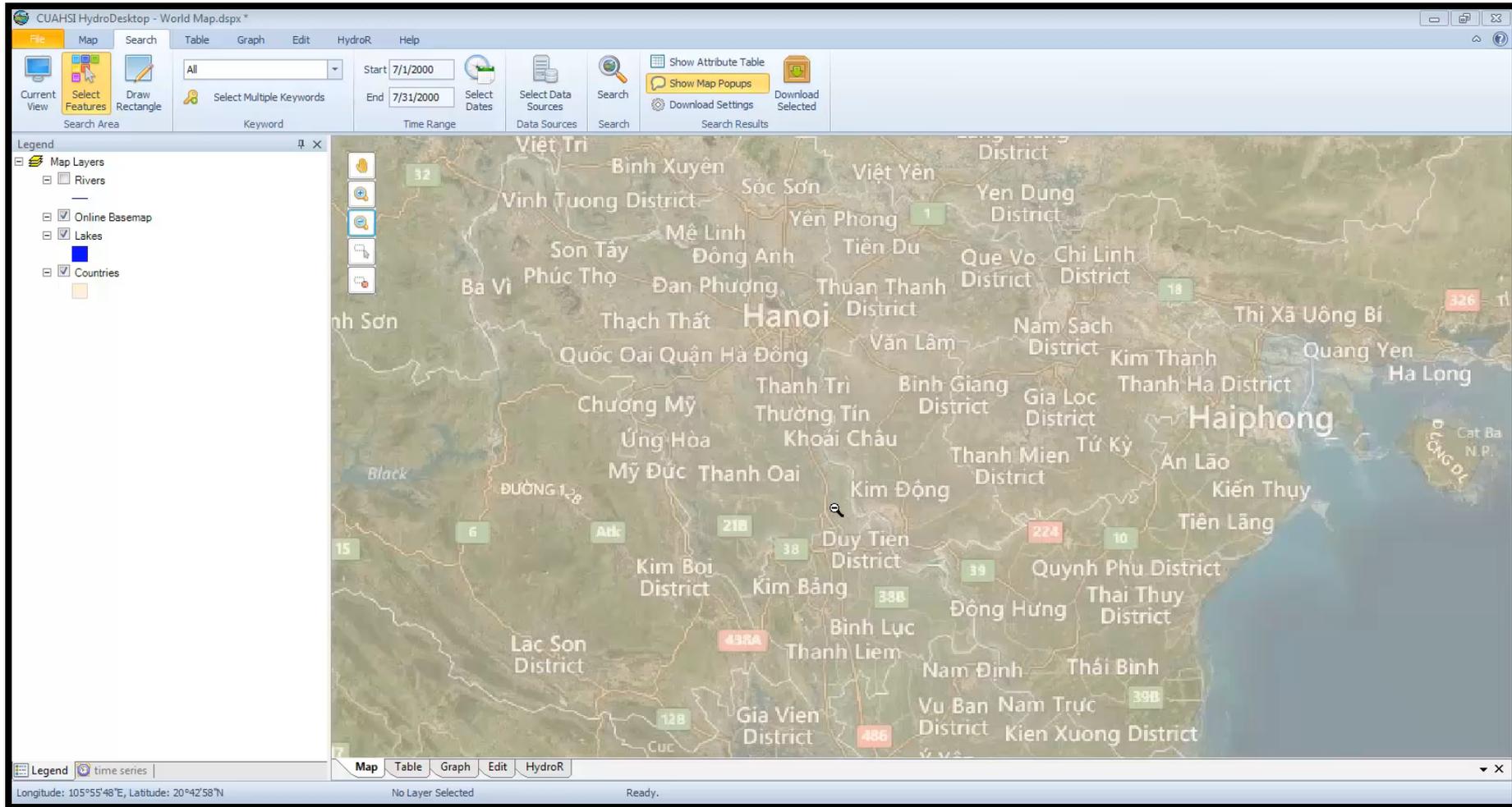


# Hydrologic Information System Demonstration

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CUAHSI  
LMI Workshop  
August 20, 2014

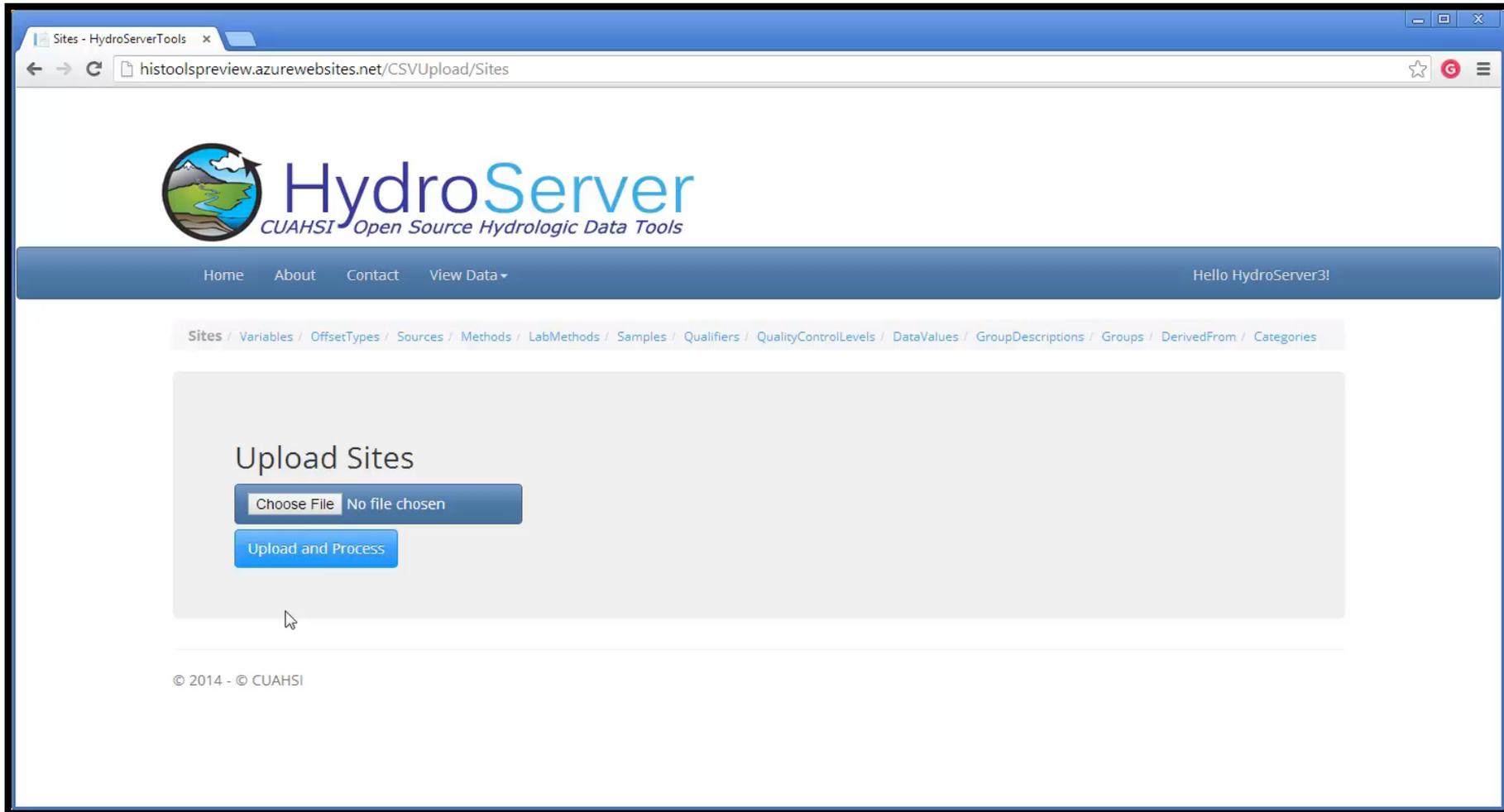


# HydroDesktop



HydroDesktop is a free and open source Geographic Information System that can access data within the CUAHSI Water Data Center catalog. For more information, and to download the software, visit [www.hydrodesktop.org](http://www.hydrodesktop.org)

# HydroServer

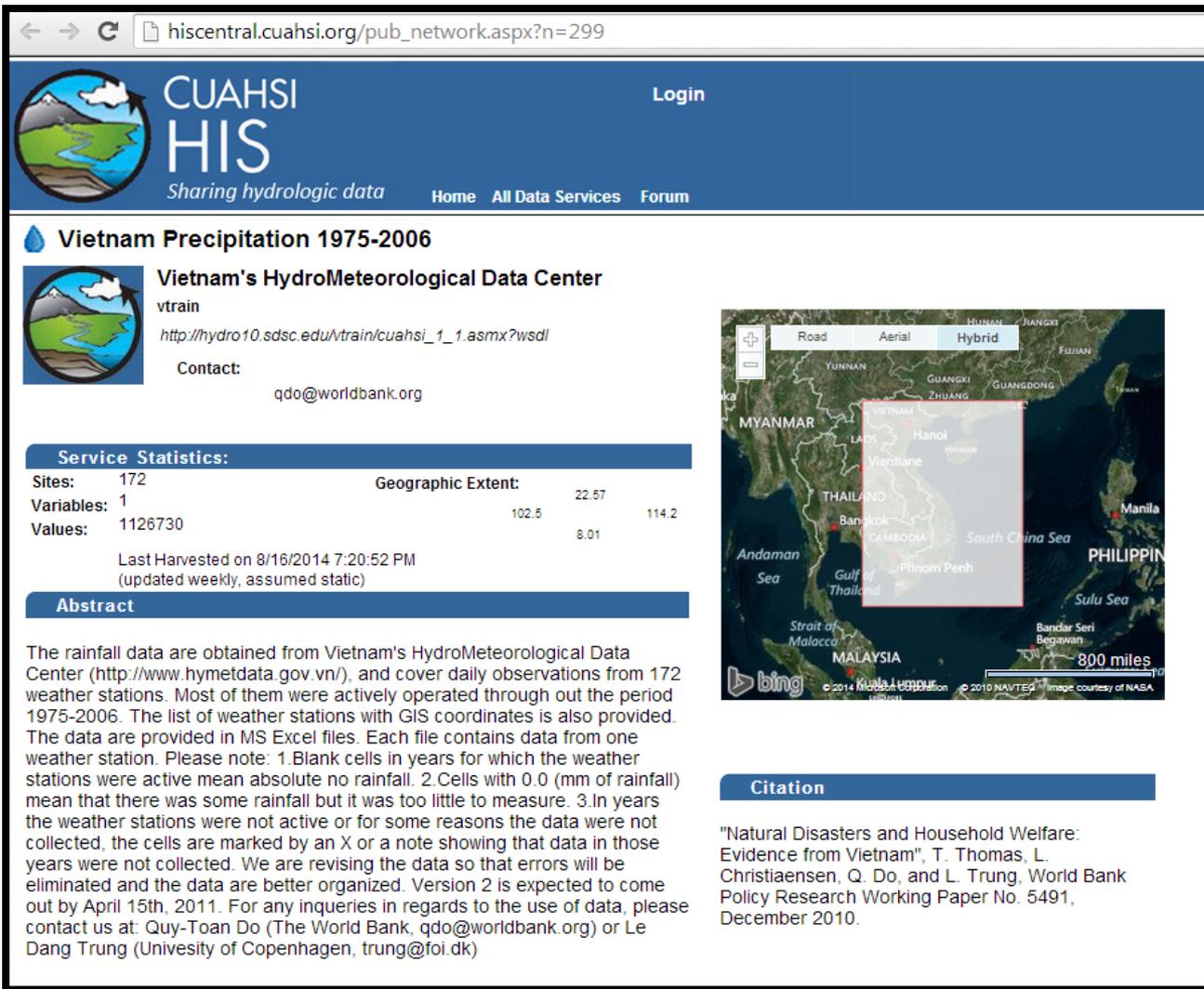


The screenshot shows a web browser window with the URL `histoolspreview.azurewebsites.net/CSVUpload/Sites`. The page features the HydroServer logo, which includes a globe icon and the text "HydroServer CUAHSI Open Source Hydrologic Data Tools". A navigation bar contains links for "Home", "About", "Contact", and "View Data", along with a user greeting "Hello HydroServer3!". A breadcrumb trail lists various data categories: "Sites / Variables / OffsetTypes / Sources / Methods / LabMethods / Samples / Qualifiers / QualityControlLevels / DataValues / GroupDescriptions / Groups / DerivedFrom / Categories". The main content area is titled "Upload Sites" and contains a file upload interface with a "Choose File" button (displaying "No file chosen") and an "Upload and Process" button. The footer of the page displays the copyright notice "© 2014 - © CUAHSI".

HydroServer is software that enables data sharing. The video above shows an upload to a new (June 2014) version of HydroServer that was developed by CUAHSI and deployed in the Microsoft Azure cloud. For more information, visit

- <https://github.com/CUAHSI/Azure-Hydroservertools>
- <http://hydroserver.codeplex.com>
- <http://hydroserverlite.codeplex.com>

# HIS Central



hiscentral.cuahsi.org/pub\_network.aspx?n=299

**CUAHSI HIS** Login  
Sharing hydrologic data Home All Data Services Forum

## Vietnam Precipitation 1975-2006

**Vietnam's HydroMeteorological Data Center**  
vtrain  
[http://hydro10.sdsc.edu/vtrain/cuahsi\\_1\\_1\\_asmx?wsdl](http://hydro10.sdsc.edu/vtrain/cuahsi_1_1_asmx?wsdl)  
Contact: [qdo@worldbank.org](mailto:qdo@worldbank.org)

**Service Statistics:**

Category	Value	Geographic Extent	Value	Value
Sites:	172		22.57	
Variables:	1			114.2
Values:	1126730	102.5	8.01	

Last Harvested on 8/16/2014 7:20:52 PM  
(updated weekly, assumed static)

**Abstract**

The rainfall data are obtained from Vietnam's HydroMeteorological Data Center (<http://www.hymetdata.gov.vn/>), and cover daily observations from 172 weather stations. Most of them were actively operated through out the period 1975-2006. The list of weather stations with GIS coordinates is also provided. The data are provided in MS Excel files. Each file contains data from one weather station. Please note: 1. Blank cells in years for which the weather stations were active mean absolute no rainfall. 2. Cells with 0.0 (mm of rainfall) mean that there was some rainfall but it was too little to measure. 3. In years the weather stations were not active or for some reasons the data were not collected, the cells are marked by an X or a note showing that data in those years were not collected. We are revising the data so that errors will be eliminated and the data are better organized. Version 2 is expected to come out by April 15th, 2011. For any inquiries in regards to the use of data, please contact us at: Quy-Toan Do (The World Bank, [qdo@worldbank.org](mailto:qdo@worldbank.org)) or Le Dang Trung (University of Copenhagen, [trung@foi.dk](mailto:trung@foi.dk))



**Citation**

"Natural Disasters and Household Welfare: Evidence from Vietnam", T. Thomas, L. Christiaensen, Q. Do, and L. Trung, World Bank Policy Research Working Paper No. 5491, December 2010.

HIS Central is the instance of HydroCatalog maintained by the CUAHSI Water Data Center. It is a metadata catalog that facilitates the discovery of data in software like HydroDesktop. Additionally, each data source has a webpage on the HIS Central website that describing the data source. The CUAHSI WDC source code for the instance deployed in Microsoft Azure will be posted on GitHub (<https://github.com/cuahsi>). Information can also be found at: <http://http://hydrocatalog.codeplex.com>)

# Have questions? Contact us!

- [www.cuahsi.org](http://www.cuahsi.org)
- My email: [jpollak@cuahsi.org](mailto:jpollak@cuahsi.org)
- CUAHSI Water Data Center source code:  
[www.github.com/cuahsi](http://www.github.com/cuahsi)

