

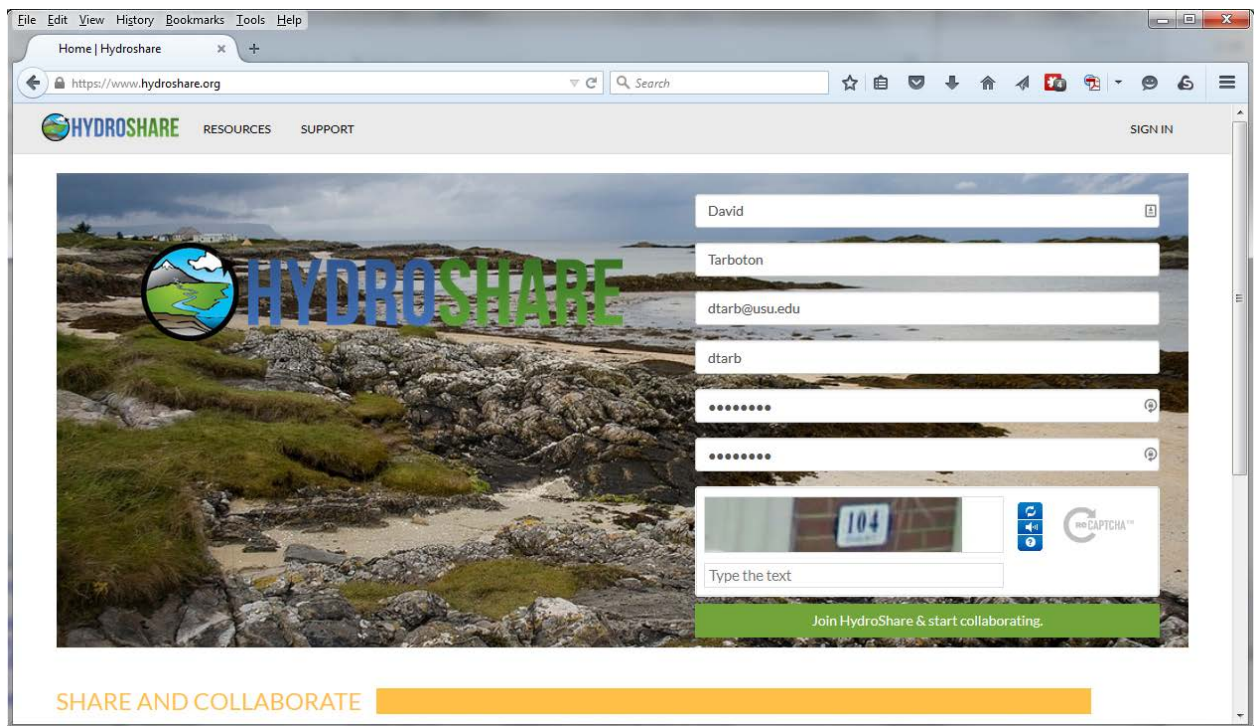
GIS in Water Resources, Fall 2016

Instructions for posting term projects to HydroShare

This course will use HydroShare <http://www.hydroshare.org> to host your term project work. All your work related to your term project should be saved in a single HydroShare resource. You should create this resource, then at the appropriate time add the necessary files with specified names to this resource. You doing this correctly (following the instructions below exactly) will enable me to create a web page that points to your term project material and that is linked on the class web page.

Steps to sign up for HydroShare account, create your resource and post term project proposal

1. Browse to <http://www.hydroshare.org>. Create an account for yourself by entering your name, email and desired password, completing the CAPTCHA and clicking "Join HydroShare & start collaborating".



2. Look in your email for an email from support@hydroshare.org to activate your account and click on the verify link in it.

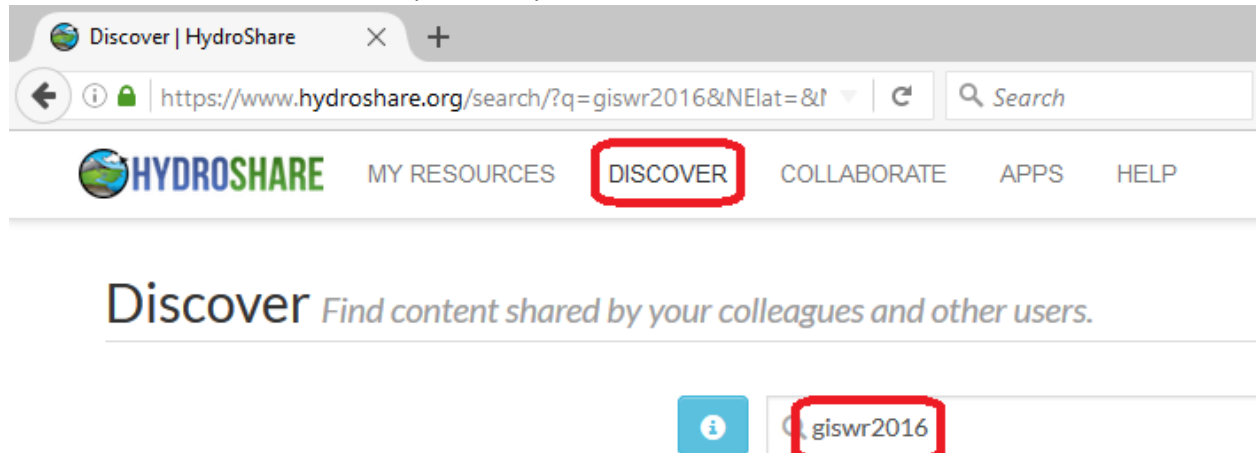
Hey there, thanks for creating your account.

Please use the link below to activate it.

<http://www.hydroshare.org/accounts/verify/45/454-d7ca5d8bd507dcff1831/?next=/>

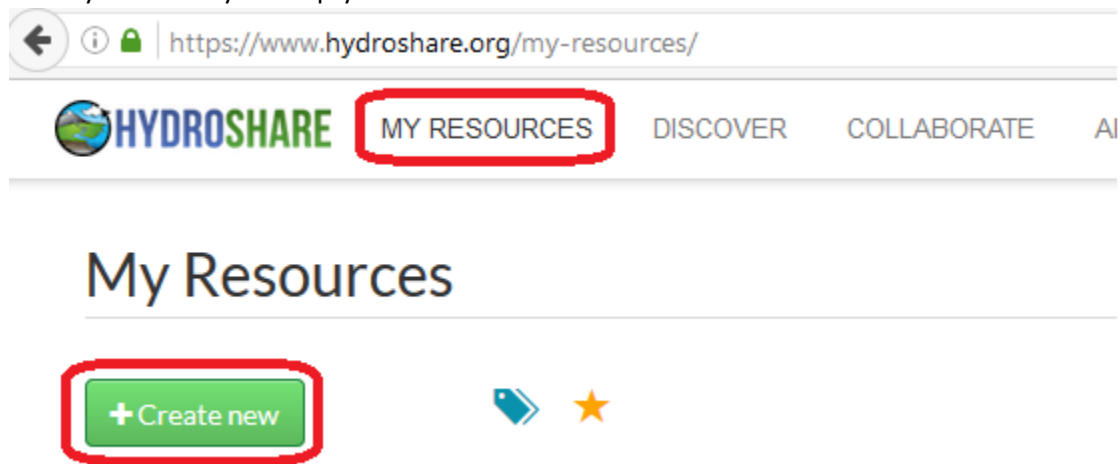
You should be automatically logged in to HydroShare with a message indicating you have successfully signed up

3. Click on the Discover link at the top of the HydroShare website.



This should take you to a Resources listing. This is a listing of resources in HydroShare. If you do a search on the keyword "GISWR2016" you will find one resource, I have created and other resources from other students that may have already created their resources and added this subject keyword. Please use this subject keyword associated with resources from this class so that we can locate them together.

4. Prepare your term project proposal in a file named "Proposal.pdf". Use first letter upper case and the rest lower case the name. This should specify the objective of your project and outline how you plan to go about executing it. The recommended way to prepare your PDF documents is to write them in Microsoft Word then use the save as PDF option to create a PDF file.
5. When you are ready to post this go to the My Resources tab in <http://www.hydroshare.org>. This lists resources in HydroShare that you have created or that have directly been shared with you. Initially it will likely be empty. Click the button "Create new".



Leave the resource type at the default "Generic Resource". Browse to the file "Proposal.pdf" on your computer. Give the Resource a title that is descriptive of what you are doing. In the below I have used the title "Instructions for GIS in Water Resources Term Projects Fall 2016", but you should use a different title. Don't worry if your title is not final, you can change it later if you want to. Click Create Resource.

HydroShare | https://www.hydroshare.org/hsapi/_internal/create-resource/

HYDROSHARE MY RESOURCES DISCOVER COLLABORATE APPS HELP

Select a resource type and upload files as needed to create a new resource

- Files you upload here will be grouped together into a "Resource" in HydroShare.
- File size is limited to 1 GB per file for direct browser upload from your local disk.
- Files larger than 1GB can be imported directly from any iRODS account. You can create a HydroShare iRODS account from your [user profile](#) page. See help for information on working with iRODS directly.
- You can also add files directly from any iRODS server regardless of the file size.

Select a resource type: Generic

Title: Instructions for GIS in Water Resources Term Projects Fall 2016

Add your files here:
Any file type can be uploaded.
Multiple file upload is allowed.

To load files from your local disk with file size limited to 1GB per file:
Browse... Proposal.pdf

To load files from an iRODS server including your iRODS user HydroShare server:
[log in to iRODS](#)

Create Resource

You should be taken to the Resource Landing Page, with a message that an abstract and keywords still need to be added before you can make this resource public.

Click on the edit button.

Instructions for GIS in Wat... x +

https://www.hydroshare.org/resource/aa80fdc3150b45009c6b22d60ba4e7a6/

HYDROSHARE MY RESOURCES DISCOVER COLLABORATE APPS HELP

Congratulations! Now that your resource has been created the following metadata are still required to publish it or make it public or discoverable:

- Abstract
- Keywords

Click on the edit button (✎) below to edit this resource.

Instructions for GIS in Water Resources Term Projects Fall 2016

Open with...

Authors: David Tarboton
Owners: David Tarboton
Resource type: Generic
Created: Sept. 8, 2016, 12:28 p.m.
Last updated: Sept. 8, 2016, 12:28 p.m. by David Tarboton

How to cite

Tarboton, D. (2016). Instructions for GIS in Water Resources Term Projects Fall 2016, HydroShare, <http://www.hydroshare.org/resource/aa80fdc3150b45009c6b22d60ba4e7a6/>

This resource is shared under the Creative Commons Attribution CC BY. <http://creativecommons.org/licenses/by/4.0/>

Sharing status: Public Discoverable Private

Enter an Abstract, and when done click Save changes.

Abstract

This HydroShare resource illustrates to students in the CEE6440 GIS in Water Resources Class at Utah State University how to prepare HydroShare Resources to post term projects

Save changes

Enter the keyword GISWR2016 under subject and click Add

Subject

GISWR2016 Add

GISWR2016 ✕

Feel free to add additional keywords that seem relevant, but GISWR2016 must be there so I can find it. You should receive a message that metadata is complete and the resource can be made public. Click the Public Button next to Sharing Status

GIS in Water Resources Term Project 2015

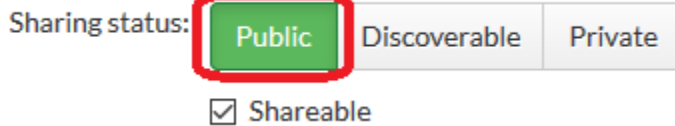
Authors: David Tarboton,
Owners: David Tarboton
Resource type: Generic
Created: Sept. 13, 2015, 10:19 p.m.
Last updated: Sept. 13, 2015, 10:29 p.m. by David Tarboton



Abstract

This generic resource illustrates to students in the CEE6400 GIS in Water Resources Class at Utah State University how to prepare HydroShare resources to post term projects.

Then next to Sharing status click on Public so that it is Green.



Congratulations, you have just created your first HydroShare Resource that is publically accessible. This is readable by anyone, so do not write anything there that you may regret later. You are done for now.

If you loaded the incorrect file, you can delete it and upload it again. I will use the unique identifier in the citation link in your resource to create a link from the class page to the files in your resource, so please do not delete the entire resource once I have done this (a few days after you first create the resource). You may delete and re-add files as you like, just do not delete the entire resource.

How to cite

Tarboton, D. (2016). Instructions for GIS in Water Resources Term Projects Fall 2016, HydroShare, <http://www.hydroshare.org/resource/aa80fdc3150b45009c6b22d60ba4e7a6>

- When it is time to prepare your two page term project progress report write it in a file named "InterimProgressReport.pdf". Use case exactly as indicated. Locate your term project resource in HydroShare and click Edit then "Add files".



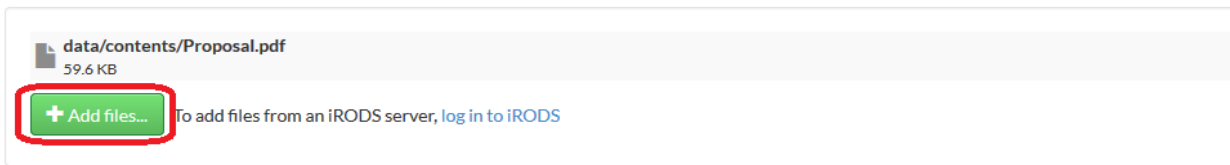
Instructions for GIS in Water Resources Term Projects Fall 2016

Open with... ▾



Authors: David Tarboton
Owners: David Tarboton

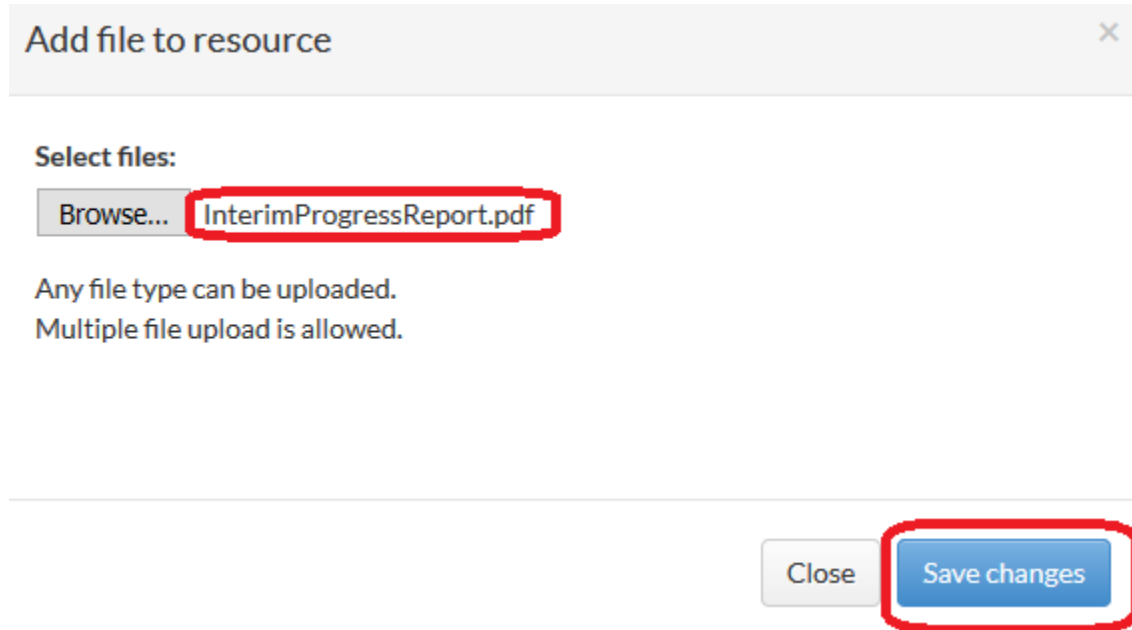
Content



data/contents/Proposal.pdf
59.6 KB

+ Add files... To add files from an iRODS server, [log in to iRODS](#)

Browse to select the file "InterimProgressReport.pdf" and click Save Changes. You should now see the Proposal.pdf and InterimProgressReport.pdf files in your Resource.



Add file to resource

Select files:

Browse... InterimProgressReport.pdf





Any file type can be uploaded.
Multiple file upload is allowed.

Close Save changes

7. By the time your term project presentation is scheduled prepare it in a PowerPoint file named "Presentation.pptx" and save it in Hydroshare the same way.
8. By December 2 prepare your term project in a PDF file named "TermProject.pdf" and save it in HydroShare the same way.

By the end of the semester your Resource should have the following files.

Content

 data/contents/Proposal.pdf 56.8 KB
 data/contents/InterimProgressReport.pdf 60.0 KB
 data/contents/Presentation.pptx 43.3 KB
 data/contents/TermProject.pdf 194.3 KB

Note that it is important to use the file names indicated because we will use a URL such as https://www.hydroshare.org/django_irods/download/22c6c32608694cf38746cd665f255957/data/contents/Proposal.pdf to link from the class page to the file that is part of your HydroShare term project resource. The string of random letters (known as a GUID - globally unique identifier) will be assigned to your resource when you first create it.

About HydroShare

Hydroshare is an online collaboration environment for sharing hydrologic data, models, and code. HydroShare is under development and the instructors are on the development team. The goal of HydroShare is to enable scientists to easily discover and access hydrologic data and models, retrieve them to their desktop or perform analyses in a distributed computing environment that may include grid, cloud or high performance computing model instances as necessary. Scientists may publish outcomes (data, results or models) into HydroShare, using the system as a collaboration platform for sharing data, models and analyses. HydroShare also includes capability to share models and model components, and will take advantage of emerging social media functionality to enhance information about and collaboration around hydrologic data and models. In HydroShare content is organized into resources that may contain single files or multiple files. In addition to generic resources, HydroShare also supports resources that hold hydrology specific files or collections of files such as time series, grids and features that include analysis functionality related to the resource type. HydroShare uses a Resource Data Model that specifies metadata format and has elements common to all resources as well as elements specific to the types of resources HydroShare supports.