

DEVELOPedia: **NASA DEVELOP's Wiki**

User/Admin Manual



2014 Summer LaRC Tech Team

DEVELOPedia Manual

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Introduction

****Note that this is written solely for DEVELOPedia use. This manual is not a substitute to the MediaWiki user help guides. It is highly recommended to go through MediaWiki help guides along with this manual. Keep in mind that this manual may be changed over time. DEVELOPedia grows constantly and will continue to do so as time goes on.*

This is a guide written to assist prospective participants with NASA DEVELOP. This guide is meant to keep consistency throughout the coding and extensions used in the wikia website, while also serving as a helpful tool for both administrators and users. We hope that this guide proves helpful and efficient as you continue to work alongside your DEVELOP family across the nation.

◆ Helpful Resources

Here are some helpful resources that will assist with DEVELOPedia.

- <http://www.mediawiki.org/wiki/Help:Contents> - MediaWiki help section
- <http://www.w3schools.com/> - Offers tutorials in HTML and other languages
- <https://semantic-mediawiki.org/> - Continued help guides/information

Reading DEVELOPedia/MediaWiki/HTML/The Manual

There are two main sections to this manual. One is dedicated to **users** who add and browse data across the wiki. Users should jump to the "USER" section in the manual. The other is dedicated to **administrators** who help manage the wiki and keep it up to date. Admins should consider both sections.

The most helpful tool when it comes to reading DEVELOPedia is the pages that already exist. Be resourceful and utilize the code that is already there. If you are making a new project category for the next term year, refer to the previous project category codes and copy & paste. Minor changes may be necessary, but the overall process is that much shorter.

MediaWiki is an open source software that is used for DEVELOPedia. User help on the MediaWiki website is extremely useful in learning how DEVELOPedia is written. HTML is used when editing DEVELOPedia pages, forms, categories, etc. Working with extensions and other special tools is PHP.

This manual is written step by step with comments and images for further assistance. There are elements in the manual to help guide the topics discussed. **Green text is for code** and **[VARIABLE]/[NAME]/[YEAR]/etc. is a placeholder for appropriate titles.**

Terminology & Syntax

Throughout DEVELOPedia there are common terms to keep in mind of they are frequently used, especially in the how-to's later in the manual. Some terms were created for convenience sake; therefore, MediaWiki may not recognize some of the terms listed below.

& sign – Syntax: `&`

To use the “and” shorthand sign, you must use the syntax above. Certain transclusions may not be performed due to incorrect syntax. Hence, stick to the syntax.

Category – Syntax: `[[Category:Name]]`

Provides automatic indexes for organization and browsing related articles. Tags create links at the bottom of the page to a list of all pages in that category. Category tags are generally the last lines of code in the edits. Subcategories are created when a category is tagged to another category.

Form

Forms are used for user-friendly page maintenance and administrative functions. DEVELOP participants should use EDIT WITH FORM tabs on project pages to easily make edits. On the Main Page, Add Data has links to adding DEVELOP information. These pages are Forms that assist users in uploading information.

Edit

This tab is located on the upper right hand side of a page, category, etc. Clicking on this tab will reveal HTML code, as well as text on a given page. At the end of each edit page are three buttons. They are the “save page, show preview, and show changes” edit buttons.

Edit with form

This tab is located on the upper right hand side for some pages, category, etc. This is helpful for those unfamiliar with HTML. Sections are labeled with text boxes that do not need to stick to HTML format, but the free text box needs to stick to HTML.

Move

The Move option can also be referred to as renaming a page. If for instance a project page has the incorrect title, use the move tool under the dropdown arrow next to view history. There may be an option to leave a redirect behind – uncheck this box.

No Edit Section – Syntax: `__NOEDITSECTION__`

To hide the edit tab from showing on a page, include the code above in the edit box. Project, Application, Person, and other templates use this feature.

Page

Individual projects, participants, centers, lists, and application areas have their own pages. Information about individual pages is seen here.

Redirect – Syntax: `#Redirect:[[Name]]`

Redirects serve as a helpful tool for pages that go by other names, such as LaRC for Langley Research Center. “LaRC” is its own page, but when clicked on “Langley Research Center” will load.

Tables – Syntax: See <http://www.mediawiki.org/wiki/Help:Tables>

Tables are powerful tools for organization. In DEVELOPEdia tables are meant to set up displays for participants and projects.

Tagging – Syntax: See [Category](#)

Tagging means adding a page to a category for index uses. DEVELOPedia tags are generally the last lines of code in the edit tab/edit with form tab (in free text box).

Template – Syntax: `{{Template Name}}`

Templates are powerful tools that enable premade tables, displays, and formats for sections of various pages. Templates use a reference method known as transclusion. Template edits are carried across all pages that utilize the same template.

Transclusion – Syntax: `{{{Name}}}`

Reference method used across MediaWiki. The same content is capable of being used in multiple documents without having to edit separately. Especially helpful when generating large lists and creating/using templates.

User Comment – Syntax: `<!-- CODE -->`

To prevent certain code from being processed encase the code with the syntax above. This can be used in troubleshooting or leaving instructions/comments on the code being used.

Main Page

The Main Page displays application areas and DEVELOP locations in collapsible boxes, provides links to add various types of data, lists to display DEVELOP information, and related links to NASA. From here DEVELOP users are able to upload or view projects, people, and anything else associated with DEVELOP.

◆ Add Data

This section clearly displays the types of information DEVELOP users can add. Locations and Application Areas will not see as much traffic as Participants and Projects. Clicking on any of these links will prompt the user to type the name of the desired data to be added and be given appropriate data forms to fill out.

◆ Search Data

This is the main table of contents for users to browse through participants, locations, projects, application areas of DEVELOP. Convenient lists are displayed once links are clicked on. Custom Search allows users to search for pages that are related to multiple criteria.

◆ Sandbox

The "Sandbox" is just what the name suggests. It is a page open to both users and admins to test out Wiki. The Sandbox is accessible in the tutorial section on the main page, in the FAQ page, and by searching for "Sandbox" in the search bar. When the page loads up, it has instructions on how to use it. When clearing the sandbox after use, be sure that the following remain in the edit tab:

```
{{SandboxDisplay}}  
  
<!-- READ ME  
Please do not remove these few lines of comments.  
Feel free to edit and be sure to keep the above instructions in mind! -->  
  
<!-- BEGIN EDITING BELOW THIS LINE -->
```

Figure 1 - Sandbox Edit Tab Contents

USER SECTION

◆ How to upload a project/participant/application area/location

All data addition goes through predefined forms in order to allow quick and efficient uploads. Here project uploading will be described. Uploading information on participants, application areas, and location follow a similar process, just with small differences.

1. At the main page find in the main directory "Add Data" and choose the data you would like to add. Start by selecting "Add Project."

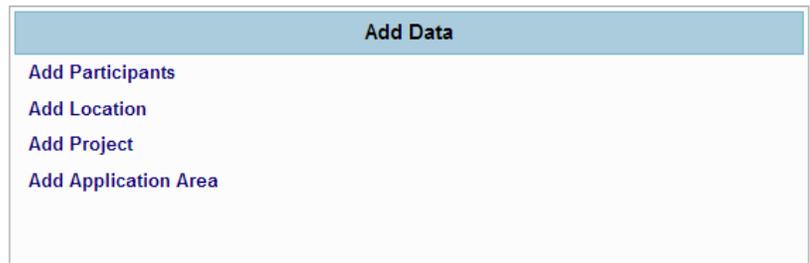


Figure 2 Add Data

2. Type in the title of the project you want to add and click on "Create or edit." Follow the in-form instructions for correct project creation.
 - a. If you are typing in a project that already exists, you will be redirected to the existing page. Otherwise, you will be linked to a new project form page.
3. Proceed with filling in the *ProjectTemplate* sections. Certain areas have values in dropdown boxes for your convenience such as location, application area, and term while others require user input.
 - a. The *ProjectTemplate* section has two main sections. From Project Proposal to Collaborators & End-Users, these sections make up the right side bar information on a project's page.

Project Proposal	[[File]]
DEVELOP Center	Langley Research Center (LaRC)
Application Area	Energy
Term	Summer 2014
Project Lead & Team Members	
Mentors & Advisors	
Partners, Collaborators & End-Users	

Figure 3 - Edit with Form Project Info

- b. From Long Title to Publication Links, these sections make up the body of the page. The information here generally comes from parts of the project summary and technical paper. Follow instructions that are given for certain sections. For instance using an asterisk before each keyword/publication link will create a bulleted list for each item.

Use an asterisk before each keyword and publication link to create a bulleted list. Ex. *Item 1

Abstract	
Earth Observations & Parameters	
Keywords	<ul style="list-style-type: none"> Keywords
Publication Links	<ul style="list-style-type: none"> Publication Links

Figure 4 - Edit with Form Project Body

4. Continue the upload process in the DeliverablesOutput section. This is where you should upload the various DEVELOP deliverables.

Deliverables (upload via "Edit with Form")	
Project Summary	[[File]]
Technical Paper	[[File]]
VPS Material	[[File]]
Poster	[[File]]
Presentation	[[File]]
Final Imagery	[[File]]

Figure 5 - Edit with Form DeliverablesOutput

5. Follow the next set of instructions to tag your project accordingly. The purpose of tagging is to ensure that lists of projects display correctly and that your project is

searchable through related categories. Tag your project with the appropriate project year, term, and application area in the free text box.

**Make sure to follow the instructions carefully*

Tag your project with the appropriate projects year, term, and related application in the text box below.

For **projects year** use [[Category:Projects Year]]
 For **term** use [[Category:Term]]
 For **application** use [[Category:Application Area Projects]]

Example: If an Oceans project in Fall 2010 were to be uploaded, the following would be typed into the text box below:
 [[Category:Projects 2010]]
 [[Category:Fall]]
 [[Category:Oceans Projects]]

Terms: Fall, Spring, Summer.

Application Areas: Agriculture, Climate, Disasters, Ecological Forecasting, Energy, Health & Air Quality, Oceans, Water Resources, Weather.

Free text:

Categories: Projects | Projects 2014 | Summer | Energy Projects

Figure 6 - Edit with Form Category Tags

6. Conclude your project upload by saving the page. You will then be redirected to your newly created project page.

The screenshot shows a project page titled "An Example Project". It includes a navigation menu with "Contents (hide)", "1 Abstract", "2 Earth Observations & Parameters", "3 Keywords", and "4 Publication Links". The main content area has sections for "Abstract", "Earth Observations & Parameters", "Keywords", "Publication Links", and "Deliverables". The "Deliverables" section is highlighted with a red box and contains a table of items with "File" upload buttons. On the right, there is a NASA logo and a metadata table.

Project Proposal	[[File]]
DEVELOP Center	Langley Research Center (LaRC)
Application Area	Energy
Term	Summer 2014
Project Lead & Team Members	
Mentors & Advisors	
Partners, Collaborators & End-Users	

Figure 7 - An Example Project Page

◆ How to edit information

Users have the option to edit their pages, be it participant data, project data, or what have you. For convenience sake, users are given the option to edit without having to deal with HTML syntax. The “Edit with Form” tab leads to a page much like the add project process.

Read
Edit with form
Edit
View history

Figure 8 - Edit with Form Tab

Editing with form avoids dealing with HTML/MediaWiki markup. All you have to do is copy project information and paste. Certain page forms have instructions for certain sections. When editing project pages, there are instructions for using an asterisk before each keyword/publication link which will create a bulleted list for each item.



Figure 9 - Edit Tab

Editing using the “Edit” tab can be complicated for users not familiar with HTML/MediaWiki markup. One of the benefits of using the “Edit” tab rather than “Edit with Form” is that the extension known as MSUpload allows for multiple files to be uploaded at once. **To see more information on MSUpload, see **Extensions***

It is recommended in most cases to leave the “Edit” tab to Administrators only. The FAQs page has solutions to using the “Edit” tab, should it be necessary.

Editing An Example Project

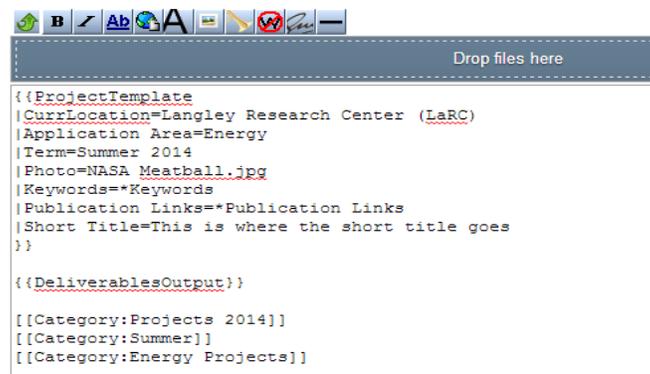


Figure 10 - Edit Tab for An Example Project

ADMIN SECTION

How to use Templates

This section does NOT describe how to create a template, but describes how templates and transclusions are used in DEVELOPedia.

A list of templates already created on DEVELOPedia can be found in **Special Pages > List of Pages > Templates**. When it comes to updating categories for future terms, you do not need to create a new template unless you are adding a completely new area to DEVELOPedia or if you are attempting to change the current design of certain pages.

◆ Transclusion in DEVELOPedia

At the bottom of an edit page, there may be a list of “*templates used on this page:*”
Clicking on the hyperlink will lead to the template's page.

Please note that all contributions to DEVELOPedia may be your writing to be edited mercilessly, then do not submit it! You are also promising us that you wrote this yourself, or c DEVELOPedia:Copyrights for details). Do not submit copy

Summary:

This is a minor edit Watch this page

Templates used on this page:

- [Template:DeliverablesOutput](#) (edit) (protected)
- [Template:ProjectTemplate](#) (edit) (protected)

Figure 11 – Templates used

The screenshot shows two parts of a wiki page. On the left is the 'Template:ProjectTemplate' page, which includes a 'Discussion' tab and 'Read', 'Edit', and 'View history' buttons. The main content area contains the template's documentation, stating it should be called in a specific format. Below this is a code block showing the template's structure with various fields like |Photo=, |Project Proposal=, |Application Area=, |Term=, |Project Lead & Team Members=, |Mentors & Advisors=, |Partners, Collaborators & End-Users=, |Long Title=, |Abstract=, |Earth Observations & Parameters=, |Keywords=, and |Publication Links=. At the bottom, it says 'Edit the page to see the template text.'

On the right is the 'Editing An Example Project' page. It features a rich text editor toolbar and a 'Drop files here' area. The main content area shows the template being transcluded into the project page, with the same structure as the template page but with specific values filled in, such as |CurrLocation=Langley Research Center (LaRC), |Application Area=Energy, |Term=Summer 2014, |Photo=NASA Meatball.jpg, |Keywords=*Keywords, |Publication Links=*Publication Links, and |Short Title=This is where the short title goes. Below the template callout, there are category tags: [[Category:Projects 2014]], [[Category:Summer]], and [[Category:Energy Projects]].

Figure 12 – LEFT: Template:ProjectTemplate; RIGHT: Templates in a project's code

The image above depicts the format of the “*Template:ProjectTemplate*” page and how it should be called (transcluded). When a project page uses this template, it should be called in the same format.

*The reason for the extra text following the equal sign is because of the respective values that were filled by users when the project was uploaded. Certain sections in a template may not appear in the “Edit” tab if values are not filled in. If there is no text following “|**Abstract**=” then “|Abstract=” will not show in the “Edit” tab. To have it appear type it in manually or fill in the section in the “Edit with Form” tab.

An Example Project

Contents [hide]

- 1 Abstract
- 2 Earth Observations & Parameters
- 3 Keywords
- 4 Publication Links

Abstract [edit]

Earth Observations & Parameters [edit]

Keywords [edit]

- Keywords

Publication Links [edit]

- Publication Links

Deliverables <small>(upload via "Edit with Form")</small>	
Project Summary	[[File]]
Technical Paper	[[File]]
VPS Material	[[File]]
Poster	[[File]]
Presentation	[[File]]
Final Imagery	[[File]]



Project Proposal	[[File]]
DEVELOP Center	Langley Research Center (LaRC)
Application Area	Energy
Term	Summer 2014
Project Lead & Team Members	
Mentors & Advisors	
Partners, Collaborators & End-Users	

Categories: [Projects](#) | [Projects 2014](#) | [Summer](#) | [Energy Projects](#)

Figure 13 - An Example Project Page

Notice that in the editing page for *An Example Project*, there is a long transclusion code for the *Template:ProjectTemplate*. From that template call, its content (the photo/info box, long title, abstract, etc.) headers are displayed on the page. Project pages also use the *Template:DeliverablesOutput* which creates the blue and white box containing project materials at the bottom of the page. Calling the template uses the following syntax: **{{Template}}**

◆ **Template:PersonTemplate**

The *PersonTemplate* is used to display a participant's individual page. The template below takes values for the participant's photo, title, center location, school, project(s) involved, and teams enlisted in. In order for certain values to contain links to other pages, it must be typed in correctly. For instance if Tony was involved with "2014 Summer LaRC Great Lakes Disasters," it must be typed word for word in accordance with the actual project page. The template also includes a list of projects that the participant has been involved in.

Template:PersonTemplate

This is the "PersonTemplate" template. It should be called in the following format:

```

{{PersonTemplate
|Photo=
|Title=
|CurrLocation=
|School=
|Projects=
|Teams=
}}

```

[Edit the page to see the template text.](#)

Figure 14 - Template:PersonTemplate

The *PersonTemplate* formats a photo on top of table cells with participant info. All participant pages use this template. Changes should be rare.

***WARNING** - Changes done to the template will transclude across all participant pages on the website. There may be small or drastic changes once template changes are implemented (edit

sparingly).

◆ Template:ProjectTemplate

The *ProjectTemplate* is used to correctly display projects in their individual pages. The *ProjectTemplate* is formatted to first display a title box on the right hand side followed by sections detailed by project summaries.

This is the "ProjectTemplate" template. It should be called in the following format:

```

{{ProjectTemplate
|Photo=
|Project Proposal=
|Application Area=
|Term=
|Project Lead & Team Members=
|Mentors & Advisors=
|Partners, Collaborators & End-Users=

|Long Title=
|Abstract=
|Earth Observations & Parameters=
|Keywords=
|Publication Links=
}}

```

A

B

Figure 15 - Template:ProjectTemplate

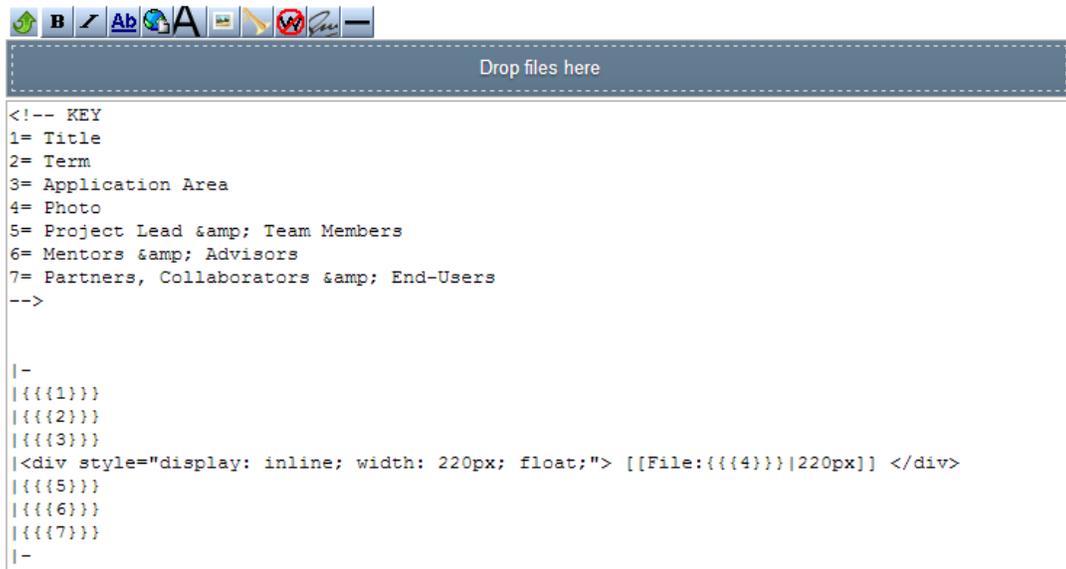
[Section A](#) contains the template for the title box, which contains the project image, its project proposal, application area, term year, etc. [Section B](#) contains the page's body information that comes from project summaries. An *Example Project* image from the previous section shows how individual project pages are displayed. Notice that the Long Title is above the table of contents (**TOC**). TOC is not revealed on the template's page, but it is found within the template edit tab.

All project pages use this template. Changes should be rare, unless attempting to add more headers/sections to individual project pages.

***WARNING** - Changes done to the template will transclude across all project pages on the website. There may be small or drastic changes once template changes are implemented (edit sparingly).

◆ Template:AllProjectsOutputTemplate

Editing Template:AllProjectsOutputTemplate



```
<!-- KEY
1= Title
2= Term
3= Application Area
4= Photo
5= Project Lead & Team Members
6= Mentors & Advisors
7= Partners, Collaborators & End-Users
-->

|-
|{{{1}}}
|{{{2}}}
|{{{3}}}
|<div style="display: inline; width: 220px; float;"> [[File:{{{4}}}|220px]] </div>
|{{{5}}}
|{{{6}}}
|{{{7}}}
|-
```

Figure 16 - Template:AllProjectsOutputTemplate

AllProjectsOutputTemplate allows the values for project lists to display properly. Like almost all templates, user comments act as keys to what the code does. For the image below, {{{1}}} is commented with **Title** in the key to let people know what values are what.

◆ Template:DeliverablesOutput

Deliverables <small>(upload via "Edit with Form")</small>	
Project Summary	File:2014Sum NODE ProjectSummary RD (1).docx
Technical Paper	File:2014Sum NODE Project TechPaper RD.docx
VPS Material	File:2014Sum NODE Project VPSw1.docx
Poster	File:2014Sum NODE GenericDEVELOP Poster RD.pptx
Presentation	File:2014Sum NODE GenericDEVELOP PPT RD.pptx
Final Imagery	File:2014Sum NODE Project Imagery (1).pptx

Editing Template:DeliverablesOutput

Drop files here

```

{| style="width: 40%; margin: 0 auto; border:1px solid silver; font-size:85%;"
|-
! style=" color:#E0FFFF;background:#4682B4; text-align:center; font-size:180%;" colspan="2"
| Deliverables <span style="font-size: 50%;">(upload via "Edit with Form")</span>
|-
! Project Summary
| [[File:{{{Project Summary}}}}]]
|-
! Technical Paper
| [[File:{{{Technical Paper}}}}]]
|-
! VPS Material
| [[File:{{{VPS Material}}}}]]
|-
! Poster
| [[File:{{{Poster}}}}]]
|-
! Presentation
| [[File:{{{Presentation}}}}]]
|-
! Final Imagery
| [[File:{{{Final Imagery}}}}]]
|}

```

Figure 17 - Template:DeliverablesOutput

DeliverablesOutput creates a small navigation box (dubbed as nav box in wiki terms) to allow viewers to access uploaded deliverables to a project. The box is filled with uploads through the "Edit with Form" tab in the *DeliverablesOutput* section. Files can also be uploaded via "Edit" tab, but HTML syntax may be foreign to others.

**It is advised for participants to upload via "Edit with Form" to avoid issues with HTML*

◆ Template:SandboxDisplay

DEVELOPedia Public Sandbox

Welcome to DEVELOPedia's public sandbox. You can test out wiki code here.

Keep in mind that anyone can overwrite your changes and the sandbox will be blanked from time to time, so don't put anything too important here!

When using this sandbox please follow these simple rules:

- Please leave this notice and the comments at the beginning of this page intact.
- Please keep things small enough not to be a hassle to testers.
- **Do not add categories to this page**, this includes categories added by templates like deletion templates etc..
- For tests of simple things, you may not even need to modify this page - just try using "**Show preview**" first.
- Please clear out the sandbox after you are done your testing so it is empty for other people who may wish to use it for testing.

Happy testing!

Editing Template:SandboxDisplay

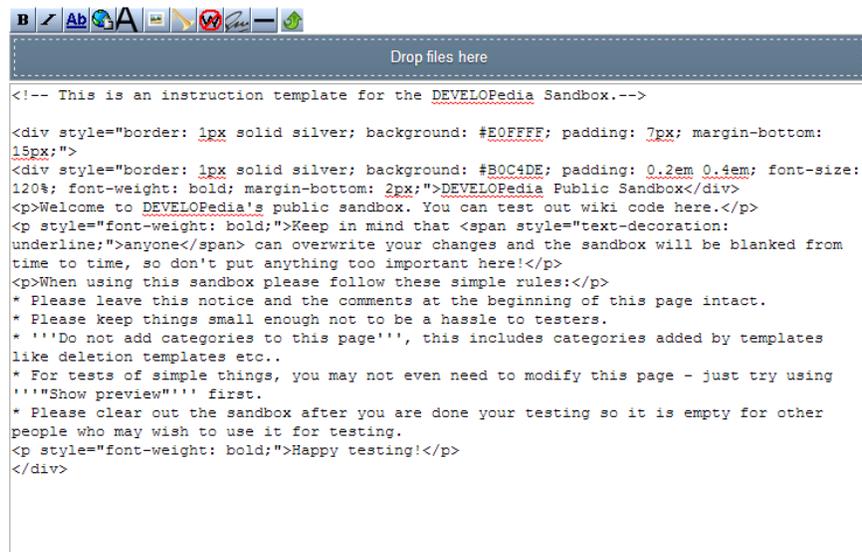


Figure 18 - Template:SandboxDisplay

SandboxDisplay provides a description box on the “Sandbox” page. Instructions and things to keep in mind are what fill up the description box. This template **should not** be deleted from the “Sandbox” page when the page is cleared out. Make sure that the Sandbox is cleared from time to time and that the template displays correctly.

{{SandboxDisplay}}

◆ Code used in section

{{Template}} – Inserting this code with the appropriate template name will transclude its content to any page that uses the **{{Template}}**

__TOC__ - Table of Contents. “TOC” has two underscores in front and behind.

How to use Tables

Tables in DEVELOPedia are pages that generate displays for browsing properties. There are tables for DEVELOP participants, locations, application areas, and projects. The majority use of tables will be towards individual projects. There are tables of projects by application, by term, and even a table containing all projects in DEVELOPedia. Creating a new page and implementing specific HTML code will generate the desired table.

All tables in DEVELOPedia have the same structure in code with minor differences. The most common differences are header titles and **#ask** function domains. The **#ask** function grabs the values (pages associated) and places them in the table according to the parameters set by the values' template. For example, **#ask: [[Category: Projects 2013]]** will take input values as the pages within the Projects 2013 Category and any pages in subsequent sub categories. **It may be necessary to refresh the list's page in order for new values to appear.**

Editing All Participants

```

This is a list of all current and previous participants with NASA DEVELOP << A

{| class="wikitable sortable" style="text-align: center;" width="100%"
! style="height:50px;" |Name
! Title
! Photo
! Location
! Project Teams
! Projects
|-
|}

<< B

<< C

|}
|}

[[Category:Lists]] << D

```

Figure 19 – Table Example

Figure 19 above shows the common format for creating tables. This is the edit box for the list of all participants. Notice the figure lettering in red in order to help guide you in creating a table in DEVELOPEdia.

◆ Creating a page with sortable table

1. Create a new page; for instance, in the search bar type in “List of All Projects 2016”
 - a. If the page you wish to create already exists you will be linked to the existing page.
 - b. If the page has not been made, you get the notification: *Create the page “List of All Projects 2016” on this wiki!* Click the red text to create.
2. Start in the edit box with an introductory sentence like [Fig 19-A](#) above.
3. Set the type of table requested with desired header titles like [Fig 19-B](#)
 - a. **{|** Curly brackets with the pipe character marks the start of the table.
 - b. The desired table is **class="wikitable sortable" style="text-align: center;" width="100%"** This will create a sortable table stretched across the page fully with text center aligned.
 - c. **!** Header cells are created with the use of exclamation points followed by the desired text.

Project Headers are as following: Project Title, Term, Application Area, Photo, Project Lead & Team Members, Mentors & Advisors, and Partners, Collaborators & End-Users.

4. [Fig 19-C](#) is a transclusion domain.

- a. **{{#ask: [[Category:NAME]]}}** The following syntax functions as a search point for the table values. The table values are in turn pages that are associated with the category following the **#ask** statement.
- b. **|** Pipe characters mark table data cells across the same row
?[statement] is a variable tool that grabs the value within a page's code.

Fig 1-C has a statement **?Current Location**. It takes the location the participant is from because somewhere within that participant's page code (template used) is the same exact statement: **Current Location::{{{Variable |}}}** The variable value is transcluded from the participant's page to the "List of All Participants."

- c. [Fig 19-C](#) concludes with a table template in the given format. End the **#ask** statement with two curly brackets **}}** and end the table code with a pipe character followed by a curly bracket **|}**. Different templates suit different tables. Check to see if the desired table already has a table template built already.
5. [Fig 19-D](#) Conclude the desired sortable table page with a category tag to Lists.
[[Category:Lists]]
6. Save page

Note the boxes in green in figure 19. Be careful when copying code to quickly create these types of pages. The type of category called upon with the **#ask** statement should match the type of template used. If you are creating a "**List of All Projects 2014**" you should have the following:

Editing List of All Projects 2014

```

''This is a table display list of all projects in 2014.''
{| class="wikitable sortable" style="text-align:center;" width="100%"
! Project Title
! Term
! Application Area
! Photo
! Project Lead & Team Members
! Mentors & Advisors
! Partners, Collaborators & End-User
|-
{{#ask: [[Category:Projects 2014]]
| ?has term
| ?has application area
| ?has photo
| ?has Project Lead
| ?has Mentors
| ?has Partners
| format=template
| template=AllProjectsOutputTemplate
}}
|}

[[Category:Lists]]

```

Figure 20- List of All Projects 2014

◆ Code used in section

{| - Table Start

class="wikitable sortable" style="text-align: center;" width="100%" – creates sortable table stretched across page fully w/centered text

! – Creates header cells

{{#ask: [[Category:NAME]] – start of ask statement for value input into table cells

| - Pipe character creates table cells across the same row

}} – closing statement for ask statement

|} – Table end

How to use Categories

Categories in DEVELOPedia are used to organize information and relay input values for templates and lists that use them. Categories are listed at the bottom of pages in a gray horizontal bar. These horizontal bars result from the syntax of categories (See **Category** in *Terminology & Syntax*). Categories can also be accessed through the special pages listed under tools in the sidebar.

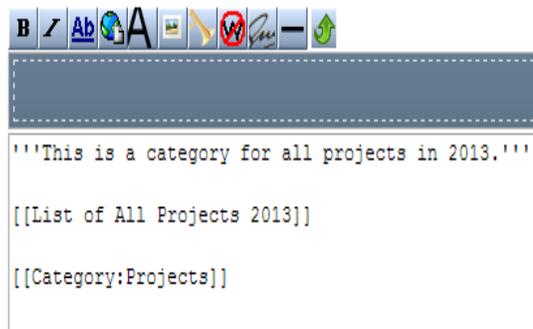
DEVELOPedia's main categories are Application Areas, Centers, Lists, Persons, Projects, and Term. All of these categories are subcategories to DEVELOP wiki – the root category for all things related to the DEVELOP wiki. Categories are simple and easy to create, but certain categories in DEVELOPedia should stick to a similar coding format. This is to ensure correct transclusion across various pages of information and for projects to be siphoned to project categories correctly.*

NOTE - For every new "root" category that does not relate to any pre-existing categories, make that new category a subcategory of "DEVELOP wiki" by tagging it with **[[Category:DEVELOP wiki]].*

◆ Creating a full project category.

1. In the search bar type in Category:Projects [YEAR]
 - a. If the category you wish to create already exists you will be linked to the existing page.
 - b. If the category has not been made, you get the notification: *Create the page "Category:Projects [YEAR]" on this wiki!* Click the red text to create.
2. In the edit box, start with the following statement (in bold): **This is a category for all projects in [YEAR].**
3. Include a link to a page that lists all projects in the given year. **[[List of ALL Projects YEAR]]** - to create lists see the Tables section.
4. Enter down the edit page 3-4 lines and tag the Category:Projects [YEAR] with: **[[Category:Projects]]** (The new project [YEAR] category will now become a subcategory of Category:Projects)
5. Save Page

Editing Category:Projects 2013



```
'''This is a category for all projects in 2013.'''  
[[List of All Projects 2013]]  
[[Category:Projects]]
```

Category:Projects 2013

This is a category for all projects in 2013.

List of All Projects 2013

Pages in category "Projects 2013"

The following 2 pages are in this category, out of 2 total.

G

- [Great Lakes Disasters](#)

R

- [Rwanda Agriculture](#)

Category: Projects

Figure 21 - Category:Projects 2013 – code left – result above (subcategories will show after the season year steps)

◆ Code used in section

[[Category:NAME]] – Syntax to tag pages or categories to desired categories. Tags appear at the bottom of pages.

Protecting Pages

The DEVELOpedia website should be continually monitored to update DEVELOP information, correct false edits, and prevent acts of vandalism. Administrators of the website will be able to easily correct changes, be they accidentally or purposefully harmful.

To protect a page, mouse over the down arrow that is between view history and the search bar. The protect option will lead to a page to view and change the protection level for the given page.

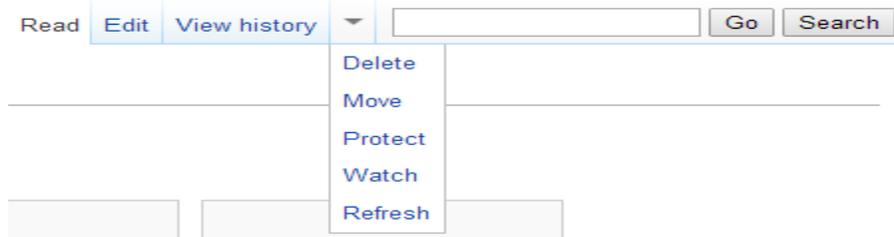


Figure 22 - Extra Tools

There are three levels of protection that allows editing for: all users, only autoconfirmed users, or only administrators. There is also a choice in allowing how long a protection will last. Levels of protection should be used at the discretion of the admins, but keep in mind it is best to keep certain pages completely protected to prevent complete loss of important pages.

◆ Pages to Protect

Administrator use only – Main Page, Category:DEVELOP Wiki, PersonForm, CenterForm, ProjectForm, Application Area Form, AllPersonsOutputTemplate,

AllProjectsOutputTemplate, CenterTemplate, PersonTemplate, ProjectTemplate, DeliverablesOutput, SandboxDisplay

Updating projects in the new term

Every new year for DEVELOP means new projects to upload into DEVELOPedia. It is necessary to keep categories and lists up to date. This is just one of the many responsibilities administrators of DEVELOPedia are entitled to. Here is the new year project update process:

1. Create the new project year category. See “*Creating a full project category*” – tag appropriately
 - a. Create new **Category:Projects [YEAR]**
2. Create appropriate **List of All Projects [YEAR]**. See “*Creating a page with sortable table*” – tag appropriately
3. Update “*Projects By Term*” with new project year list. Continue the list of links below in the same format: **:[[List of All Projects 20XX]] – semicolon is a definition code, used here to create a new line.**

The screenshot shows a MediaWiki page titled "Projects By Term". On the left is the source code editor, and on the right is the rendered page view.

Source Code:

```
'''Access a list of projects by term.'''

:[[List of All Projects 2010]]
:[[List of All Projects 2011]]
:[[List of All Projects 2012]]
:[[List of All Projects 2013]]
:[[List of All Projects 2014]]
:[[List of All Projects 2015]]

<!--CONTINUE PROJECTS BY TERM IN SAME FORMAT ABOVE
;:[[List of All Projects 20XX]]
-->

[[Category:Lists]]
```

Rendered View:

Page Discussion

Projects By Term

Access a list of projects by term.

- List of All Projects 2010
- List of All Projects 2011
- List of All Projects 2012
- List of All Projects 2013
- List of All Projects 2014
- List of All Projects 2015

Category: Lists

Figure 23 - List of Projects By Term

Extensions

MediaWiki extensions allow MediaWiki to be made more advanced and useful for various purposes. These extensions vary greatly in complexity from enhanced file uploading to mass template editing to creating your own forum pages.

◆ Adding Extensions

To add extensions to the DEVELOPedia wiki you will need access to FTP software. FileZilla is usually the gold standard for FTP clients because it is open source and designed to be easily understood and navigated. First, find the download package for the extension. This could be located on the actual webpage of the extension under

the installation section, or you could be referred to a GitHub page for download. Once you have finished downloading the folder, you will need to add it to the extensions folder in your personal file system. Then, log onto your FTP client and navigate to the new file location and click and drag the whole folder to the extensions folder on the server.

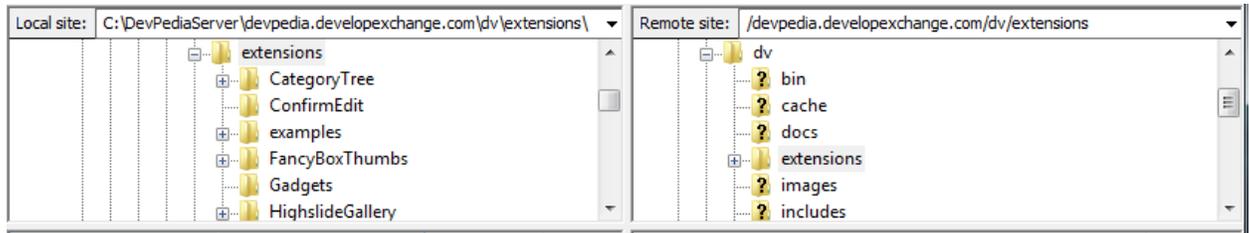


Figure 24 - Transfer folder from file system to remote server

With every extension added, you will need to add a line of code to the bottom of the LocalSettings.php file which is located in the root folder of DEVELOPedia. The line will start with "require_once" and then list the file path to the specific extension. The line for Multi Category Search for example is:

```
require_once "$IP/extensions/MultiCategorySearch/MultiCategorySearch.php";
```

There will be a complete set of instructions for exactly what to add and any other modifications to the extension that can also be added in the LocalSettings file.

***A very helpful tip when modifying the files on the DEVELOPedia server is to first change the file type of the file you are replacing to .old file. This will make it easy for you to revert the site to its original condition if you have made an error in your new file. So for example in the remote server, change LocalSettings.php → LocalSettings.php.old, then click and drag the new file from your file system onto the remote server.

If you have not been given credentials to the DEVELOPedia server connection and believe you need access to modify server files, refer to Mike Bender for further instruction.

◆ MS Upload*

MS Upload is the multiple upload capability that is available in the "Edit" tab. It is clearly shown as a dark green bar above the edit textbox with the accompanying text, "Drop files here."

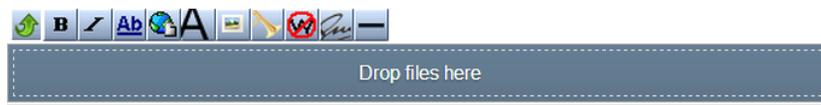


Figure 25 - MS Upload

Drag and drop files you would like to upload in the "Drop files here." Once you've dropped all the files you would like to upload, click the upload button.

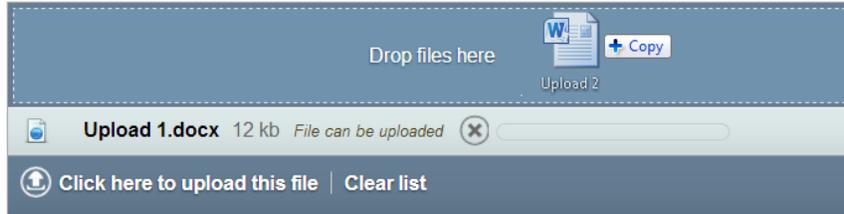


Figure 26 - MS Upload with document

After clicking on "Click here to upload this file," the following will appear:

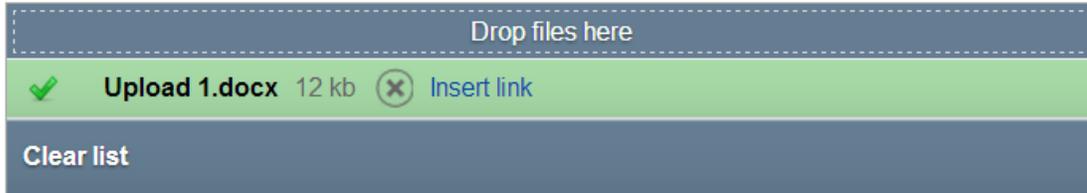


Figure 27 - MS Upload with document uploaded

The "Insert link" allows users to insert the file hyperlink into the edit page to be displayed. MS Upload conveniently creates the hyperlink in the appropriate HTML/MediaWiki markup.

***WARNING:** The "Edit" tab should not be used by users or those who are unfamiliar with HTML/MediaWiki. See your administrator if you run into issues utilizing this extension

◆ Multi-Category Search

Multi-Category Search is accessible through the "Search Data" directory on the Main Page by clicking on "Custom Search." This extension allows the capability to search projects with multiple parameters. If you wanted to find Agriculture projects in the spring of 2011, all you have to do is select dropdown values and search. You can even ignore and include certain parameters. Keep in mind the parameters are based upon the categories that exist in DEVELOPedia and whether pages have been tagged with categories. Every page on DEVELOPedia should have at least one tag for search capabilities. If you do not know what categories exist, use the Category tree on the side or go to the DEVELOP wiki root category to view all the categories.

Select Project Year

Select Project Term

Select Application Area

- Fall
- Spring
- Summer

List pages, included in the following categories:

Ignore pages, included in the following categories:

Figure 28 - Multi-Category Search Extension

◆ Category Tree*

The left sidebar follows users on every page they go. The “Category Tree” extension is located on the sidebar and helps serve as a table of contents. Users will be able to expand and collapse to find categories they are searching for.

**NOTE – In order for new categories, categories that do not relate to pre-existing categories, to be displayed in the Category Tree, make that new category a subcategory of “DEVELOP wiki” by tagging it with [\[\[Category:DEVELOP wiki\]\]](#).*

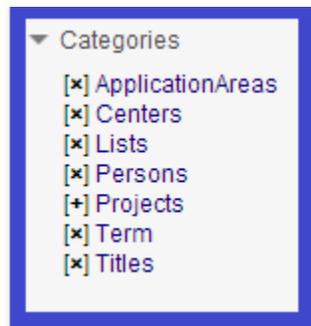


Figure 29 - Category Tree

DEVELOPedia Schematic Overview

[VARIABLE] - main category (c) - subcategory (c) - sub-subcategory (c)
 sub-sub-subcategory (c) - lists (l) - pages (p)

- DEVELOP wiki (c)

