UVa Collab for Research Collaborations

PART I BILL COREY RESEARCH DATA MANAGEMENT LIBRARIAN UVA LIBRARY

RESEARCH DATA SERVICES AND SCIENCES



This two-part series will explore using UVaCollab for research collaborations.

In the first session, we will discuss research collaboration, and how to use UVaCollab as a research site for a lab, or an individual or group project. We will discuss what tools are available, and how they can be used for research. We will create our basic Research site.

In the second session, we will complete our UVaCollab research site by adding the components you want, select the appropriate options, and add participants. We will create and link several sub-sites and discuss their possible uses.

All participants will have access to the completed site as a sandbox and reference for creating research sites of their own. There will be a Q&A at the end of the session for your questions and suggestions.

Introduction

UVACollab is the University of Virginia's central online environment for teaching, learning, collaboration, and research.

If you have ever taught or attended a class at the University of Virginia, you have probably worked with Collab. You may never have considered using it for anything other than teaching, or document storage for a committee or project.

UVACollab partners with faculty, staff, and students in the work that sustains the Academical Village—engaging in interactive discussions, joining virtual meetings, securely storing and sharing materials, and conducting research.



Collaborative Research is very rewarding, but the implementation of an effective collaboration system can be difficult and time consuming.

Researchers want to spend their time doing research, not dealing with the issues of data access, data management, data security, and keeping track of colleagues and graduate students, as well as the project itself.

What are some of the common problems you are likely to encounter when conducting collaborative research? Multiple colleagues -- within and outside of UVa; file transfer issues -- too big to email, image and video files; data security issues – safe sending using email, placing in the "cloud", snail mail; thumb drives; IRB requirements; documenting research – lab notebooks.

What is Collaboration?

Wikipedia says Collaboration is working with each other to do a task and to achieve shared goals. It is a recursive process where two or more people or organizations work together to realize shared goals, (this is more than the intersection of common goals seen in co-operative ventures, but a deep, collective, determination to reach an identical objective — for example, an endeavor that is creative in nature—by sharing knowledge, learning and building consensus. http://en.wikipedia.org/wiki/Collaboration

We have all collaborated many times in our lives, and we do it daily without thinking about it. We do it at work, at school, and at play, and we do it with our families, our friends, our colleagues, and even with strangers. So what's the big deal?

What is Collaboration?

We probably don't think about doing it in a formal manner, which is what you will need to do in a research setting. Each collaborator will have responsibilities towards the project, and toward their colleagues. Decisions must be made jointly, or roles need to be assigned at the start of the project that detail who does what and when. Who is in charge, who is listed first on published articles, who presents at conferences, who decides when the project is off-track or completed?

What is the intended outcome of the collaborative research? Who are the participants? Are they all at UVa, or are there colleagues at other institutions or organizations? Who should have access to the data and research results? What types of data will you be creating or collecting? Are there UVa policies that apply to the project? Do you want to share the research results, or the research process, or both?

Benefits of Collaboration

- sharing of knowledge, skills and techniques
- transfer of knowledge, skills and techniques
- differing viewpoints enabling cross-fertilization of ideas
- intellectual companionship
- expanding your network of research colleagues
- increased dissemination of your work
- cost and time savings

There are risks as well. Many of the above items could also be considered risks.

Considerations

- Cost
- Types of data
- Ownership of data
- Data security
- Confidentiality and IRB requirements
- Research ethics
- Funder requirements
- Uva requirements
- Functionality
- Location of collaborators

Cost and Type of Data

- 1) The cost of software, or of a license to use an online tool, is something you should think about and factor in to your decisions about how you intend to conduct your collaborative research. If it is being funded by another entity, such as a private or federal funder, your institution, or your lab, you probably aren't too worried about it. But if it is coming out of your own pocket, then you should definitely look at the options available.
- 2) The type of data you intend to collect should be considered. If you are working with very large datasets, or audio or video files, is it easier to move the files around between colleagues, or have the files reside in a single location that everyone can access? Text documents and PDF files are easier to send back and forth, but you'll need to keep track of who is working with which version. Version control and file naming are very important aspects of research data management.

Ownership of Data

3) Who owns your data is a question that appears easy to answer, but may actually not be. You may wonder why it would have any bearing on how you conduct your collaborative research.

Basically, if you are a student, and your research is not part of a funded project, and you are not going to be using 'substantial University resources', then it belongs to you. Which, in this context, means that you are the one who makes the decisions about how you conduct your research. But if you are part of a funded research project, or are receiving funding from private, federal, state or institution sources, then you may have requirements imposed on you by that entity, and they could conceivably impact the choices you make.

It is always a good idea to find out early in the process if you are the owner of your research data, and the results of your research.

Ownership of Data

3) Another aspect of the "who owns the data" question is if you are using data from other sources.

You may have paid for a license to use a specific dataset, or have received permission to use someone else's data for your research.

The permissions they grant may include stipulations about data sharing, data storage, or allowing others to access it.

Be sure to consider your needs when negotiating access rights.

Security

4) Security and confidentiality are similar considerations, but different enough to be looked at separately.

Security is about how secure your data and research actually are.

- Where do your research files reside: in the cloud, on a hard drive, on a department server, on a thumb drive, on your laptop?
- How do you control access to them? Your colleagues will need to be able to access them, and to work with them.
- Do you want to play gatekeeper and manage your research files actively whenever a colleague needs one, or do you want to share all of it with everyone 24/7/365, or just specific folders or files with those who need them?

Confidentiality

5) Confidentiality, and IRB requirements, are more about the type of content that your data and files contain than security.

If your research involves human subjects, either directly or indirectly, then you probably have additional requirements that stipulate how you collaborate with other researchers, how you handle and safeguard your data, how you protect the confidentiality of your research participants. You will have legal requirements, such as those imposed by FERPA, COPPA, and HIPAA.

Confidentiality can also refer to relationships you have with funders, often private or industry. **Confidentiality Agreements** are legally binding agreements that may limit or even prohibit some oral or written communications with people who are external to your research environment, and impose specific requirements for working with collaborators and colleagues.

Research ethics, Funder & Institution requirements

- 6) Research ethics are about how you conduct your research. The ethical and truthful collection of accurate data, the ownership and responsibility for the collected data, keeping and preserving collected data by ensuring that it is stored safely and securely, and how you share collected data with colleagues or others.
- 7) Funder requirements have been mentioned throughout this section, so I won't repeat the issues here.
- 8) Institution requirements are concerns such as data security, information security, information policy, records management, dealing with highly sensitive data, copyright and intellectual property policies, and data classifications.

Functionality

9) Functionality refers to how you like to work, and what you expect your collaborative management system to do for your research project.

Do you want to be able to collaborate on documents in real-time, or is emailing them back-and-forth sufficient for your needs?

Will you need to be able to access your data from any device, and any location, or just from your office?

Do you want to be able to chat with colleagues, video conference with them, brainstorm with them on a whiteboard or a mindmap?

How many different programs are you willing to work with to get the functionality you're looking for?

Location of Collaborators

10) The location of your research collaborators is one of the most important considerations.

When selecting your tools, keep in mind the needs of your colleagues.

If they here at UVa then it will be easier because you will have similar internet access situations.

If they are at other American institutions, they will probably be familiar with the tools you are considering using.

If they are overseas, they may have access restrictions and associated costs that you won't have to deal with.

If you can 'host' your collaborative management system for them, then all they will have to deal with is access.

Tools for Research

UVaCollab includes three levels of features and tools. Some of them are course oriented, some collaboration oriented, and a few that can serve both uses. I've bolded the ones that are of interest for research.

- Built-in: Overview, Announcements, Anonymous Feedback, Assignments, Calendar, Chat Room, Course Evaluations, Discussion and Private Messages (to be retired 1/6/19), File Drop, Forums, Lessons, Messages, Polls, Resources, Roster, Sign-Up, Site Info, Syllabus, Tests & Quizzes, Web Content, and a Wiki.
- Third-Party: Blackboard Collaborate LTI, Panopto, Piazza, and i>Clicker.
- SHANTI: NowComment, Wiki (Confluence), Kaltura Media Gallery, and WordPress.

Everyone at UVa has access to UVaCollab. Everyone can create a site. Everyone can join public sites. Login is via NetBadge. **My Home Screen**

Home Council History	✓ SRAP ✓ Old Employee Councils ✓ eMarketer resources ✓ Accessibility ✓ RDS SP Lists ✓ Gap and Nike ✓	COMM ICE Course G	uide 🗸 🛛 DMCG A	Archive 🗸 Research Data Management 🗸	
Overview	My House Sedit Help	Message Center N	Notifications		• Hel
Account	Create Your Own Collaboration and Course Sites	New Messages	New in Forums	Site	
A My Announcements	Members of the UVa community may create new collaboration and course sites as follows:	none	none	Council History	
Membership	 Click on Worksite Setup in the My Workspace menu (at left). Click the New link at the top of the Worksite Setup screen. 	none	none	SRAP	
Preferences	3. Follow the prompts on each screen to complete site setup.	none	none	Old Employee Councils	
Profile		none	none	Accessibility	
My Resources	Message Of The Day	none	none	RDS SP Lists	
	HOGO Tips for Student Success	none	none	COMM ICE Course Guide	
My Calendar	HOO? Tips for Student Success in UVaCollab	none	none	Research Data Management	
f W <mark>ik</mark> i		none	none	UVaCollab Research Tools	
B Worksite Setup	Taking an online exam?	none	none	My Lab Notebook	
Search	How do I submit an assessment? includes steps to navigate an assessment and tips for answering specific question types. Be sure to review and follow the Essential Tips for Taking Online Tests as part of your exam preparation to	none	none	Executive Committee	
- Andreastan	ensure the best possible experience when taking and submitting online assessments in UVACollab!	none	none	UVaCollab Demo 4 Jeff	
My Media	Do You Have a Tip or Question?	none	none	UDL @ UVA	
Help	Submit your tips or ask a question for an upcoming Hoo Knew? announcement! Look for weekly Hoo Knew? updates	none	none	Staff Senate	
	every Tuesday.	none	none	Assistive Tech	
	Need Help? Contact collab-support@virginia.edu for personal assistance with your question or issue, or check out the online Help - it's chock full of how-to's on just about everything in UVaCollab. Also see Hoo Knew? featured links to Help articles.	none	none	Environmental Scan	

Creating a site on UVaCollab

My Home Screen

UVACOLLAB

Overview	My House	O Help	Message Center Notifications				
Account	Create Your Own Collaboration and Course Sites	<u>^</u>	New Messages	New in Forums	Site		
My Announcements	Members of the UVa community may create new <i>collaboration</i> and <i>course</i> sites as follows: 1. Click on Worksite Setup in the My Workspace menu (at left). 2. Click the New link at the top of the Worksite Setup screen. 3. Follow the prompts on each screen to complete site setup.			none	none	Council History	
Vembership				none	none	SRAP	
Preferences				none	none	Old Employee Councils	
				none	none	Accessibility	
Profile	Message Of The Day	lelp	Options	none	none	RDS SP Lists	
/ly Resources				none	none	COMM ICE Course Guide	
/ly Calendar	HOO? Tips for Student Success in UVaCollab			none	none	Research Data Management	
Wiki	MIEW • III UVaCollad			none	none	UVaCollab Research Tools	
Vorksite Setup	Taking an online exam?			none	none	My Lab Notebook	
Search	How do I submit an assessment? includes steps to navigate an assessment and tips for answering specific question			none	none	Executive Committee	
	types. Be sure to review and follow the Essential Tips for Taking Online Tests as part of your exam pre- ensure the best possible experience when taking and submitting online assessments in UVACollab!	eparation to		none	none	UVaCollab Demo 4 Jeff	
/ly Media	Do You Have a Tip or Question?			none	none	UDL @ UVA	
Help	Submit your tips or ask a question for an upcoming Hoo Knew? announcement! Look for weekly Hoo	Knew? upd	ates	none	none	Staff Senate	
	every Tuesday.			none	none	Assistive Tech	
	Need Help?			none	none	Environmental Scan	
	Contact collab-support@virginia.edu for personal assistance with your question or issue, or check out	the online H	elp -				

Recent Announcements

III My Sites William

The Worksite Setup page lists your sites. Ones you own (created) and ones you belong to. You can filter by type.

UVACOLLA	\B						
Home Council History	✓ SRAP ✓	Old Employee Counci	ls 🗸 eMarketer reso	urces 🗸	Accessibility \checkmark	RDS SP I	Lists ✓ Gap and Nike
E Overview		KSITE SETUP					
📤 Account	New						
My Announcements	view:		collaboration Sites				
Membership	Filter by	Term:	None	-			
Preferences							
Profile	Edit	Delete					
My Resources	Check a	box and use the buttons al	bove or below to take ad	tion on a s	site. Click column h	eaders to so	ort the table.
🛗 My Calendar	-	1 - 52 of 52 items					
🖉 Wiki	< S	how 200 it <mark>e</mark> ms per page │▼	~				
🕫 Worksite Setup		Worksite Title 🛓					Туре
Q Search		Accessibility				0	collaboration
🖽 My Media		Alderman Space				0	collaboration
H H WY WEDIA		ALN Network				0	collaboration
O Help		Assistive Tech				0	collaboration

The Create Site page offers 2 types of sites: Collaboration and Course. Chose to build your own or create from a template.

UVACOLLAR	Image: My Sites Image: Sites
Home Council History ~	SRAP ~ Old Employee Councils ~ eMarketer resources ~ Accessibility ~ RDS SP Lists ~ Gap and Nike ~ COMM ICE Course Guide ~ DMCG Archive ~ Research Data Management ~
I Overview	
Account	Create Site
My Announcements	Choose the type of site you want to create below. Only instructors may create course sites with official course rosters. Anyone at UVa (faculty, students, staff) may create collaboration sites, useful for projects, committees, workgroups, research, etc., or course sites without official course rosters.
Membership	O Build your own site
Preferences	A Build-Your-Own site lets you choose individual site tools and functions to include in your new site.
Profile	A Template-based site comes pre-loaded with essential tools and functions. Please note, you can add or remove tools once created.
My Resources	* Collaboration
My Calendar	Basic The Basic Collaboration Site Template
🕼 Wiki	Owner View The Basic collaboration site template is designed for groups and comes with basic features for communicating with site participants, sharing, organizing, and archiving documents, and conducting online discussions.
© Worksite Setup	Nom & Nom & <th< td=""></th<>
Q Search	Found to the Template Help in your new site for more tips on setting up and using features in your site!
H My Media	Stellmal Discussion II Stellmal Discussion II VaCollab.
P Help	Help (g)
	➤ Course
	You can add or remove tools from either type of site at any time.
\mathcal{C}	Create site from template Cancel

The Basic Collaboration site

Home Council History	SRAP V Old Employee Councils V eMarketer resources V Accessibility V RDS SP Lists V Gap and Nike V COMM ICE Course Guide V DMCG Archive V Research Da	ata Mana
Overview	Q ⁸ WORKSITE SETUP	
Account		
My Announcements	Site Information	
Membership	Enter information about your site. * Site Title (limit 25 characters)	
Preferences		
Profile	Site Language User Language (Gefault) Basque [eu] Basque català - Espanya [ca_ES] Catalan - Spain Deutsch - Deutschland [de_DE] German - Germany	
My Resources	English - Australia [en_AU] English - Australia English - New Zealand [en_NZ] English - New Zealand	
My Calendar	Description (displayed on the site's home page)	
🖉 Wiki	Image: Source Im	
B Worksite Setup	B I U S X, X* E E E E I I I I I I I I I I I I I I I I	
Search		
My Media		
Help		
	Ctrl+Right-Click to access the editor's context menu	
	Short Description (displayed in publicly viewable list of sites. Max 80 characters)	
	Icon URL	
	* Site Contact Name William Corey	
	Site Contact Email wtc2h@virginia.edu	

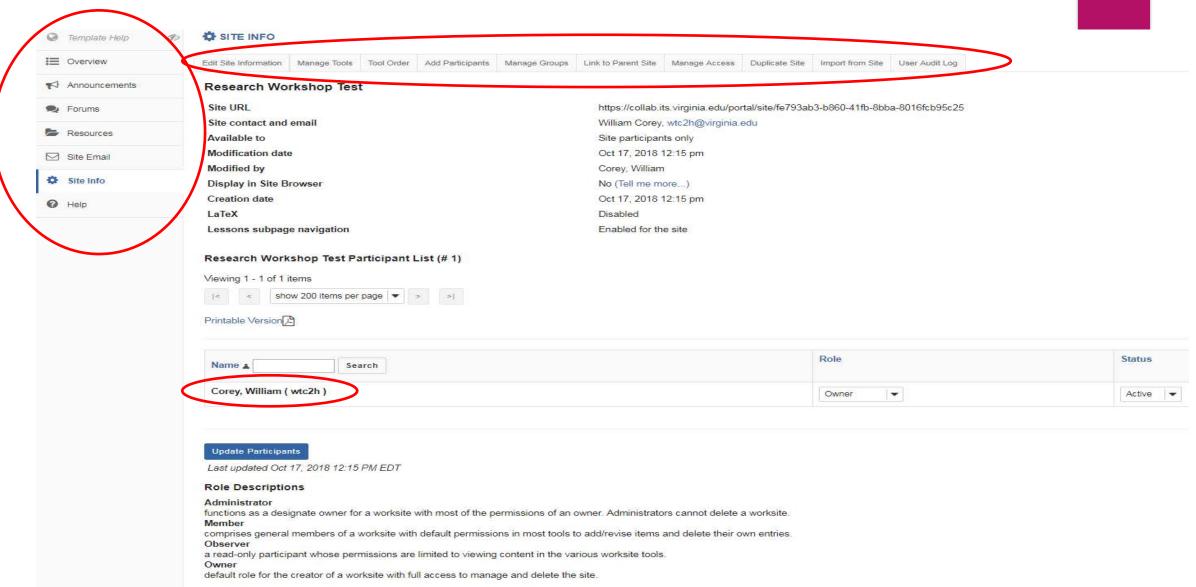
The Basic Collaboration site

UVACOLLA	B
Home Council History	SRAP V Old Employee Councils V eMarketer resources V Accessibility V RDS SP Lists V Gap and Nike V
E Overview	
👗 Account	Configure Tool(s)
My Announcements	Please enter the information for external tools
Membership	Configure tool options now or make configuration adjustments later in the site using the Options menu for each tool instance. Email Archive
Preferences	* Site email addless research-workshop-test
👗 Profile	
My Resources	Continue Back Cancel
My Calendar	
🕑 Wiki	
😋 Worksite Setup	
Q Search	
H My Media	
🕜 Help	

Your Basic Collaboration site

🔇 Template Help 🛛 🕫	TEMPLATE HELP	✓ Edit
E Overview		
Announcements	Basic Collaboration Template Help Creating a collaboration site with the Basic collaboration site template provides you with essential tools for project teams, research groups, committees, or other collaborative group.	
Forums	Site Template Organization	
Resources	 Tools: The menu in this template contains some tools that are visible to all members of your site. You may modify the tools available in your site using Site Info > Manage Tools. You can change the order and visibility of tools in your site using Site Info > Tool Order. 	
Site Email	2. Help: Almost every tool in UVACollab has a Help button associated with it.	
Site Info	Setup Steps in Brief	
9 Help	 Fill out a description of your site on the Overiew page (optional). Add or remove tools as needed (Site Info > Manage Tools). Upload files (in Resources) and set up activities (such as Forums discussions) for your collaboration site. Refer to these Help links for more information on using basic tools in your site: Announcements - for posting announcement notifications to your Home page. 	

Site Info



Template Help	SITE INFO						_		
E Overview	Edit Site Information Manage Tools Jool Order Add Participants Manage Group	s Link to Parent Site Man	age Access Duplicate Site	Import from Site	User Audit Log				
Announcements	Research Workshop Test								
🙊 Forums	Site URL	https://collab.its.virgi	jinia.edu/portal/site/fe793	ab3-b860-41fb-8bb	pa-8016fcb95c25				
	Site contact and email	William Corey, wtc2l	h@virginia.edu						
Resources	Available to	Site participants only	ly						
Site Email	Modification date	Oct 17, 2018 12:15	pm						
	Modified by	Corey, William							
Site Info	Display in Site Browser	No (Tell me more))						
O Help	Creation date	Oct 17, 2018 12:15	pm						
	LaTeX	Disabled							
	Lessons subpage navigation	Enabled for the site							
	Research Workshop Test Participant List (# 1)								
	Viewing 1 - 1 of 1 items								
	<pre> < < show 200 items per page </pre>								
	Printable Version								
				-					
	Name 🛓 Search			Role			Status		
	Corey, William (wtc2h)			Owner	-		Active 💌		
							<u></u>		
	Update Participants								
	Last updated Oct 17, 2018 12:15 PM EDT								
	Role Descriptions								
	Administrator								
	functions as a designate owner for a worksite with most of the permissions of a	n owner. Administrators car	nnot delete a worksite.						
	Member comprises general members of a worksite with default permissions in most tool	s to add/revise items and de	lelete their own entries.						
	Observer								
	a read-only participant whose permissions are limited to viewing content in the Owner	various worksite tools.							
	default role for the creator of a worksite with full access to manage and delete t	he site.							

The blue check marks indicate tools you already have.

Choose tools to include on your site ...

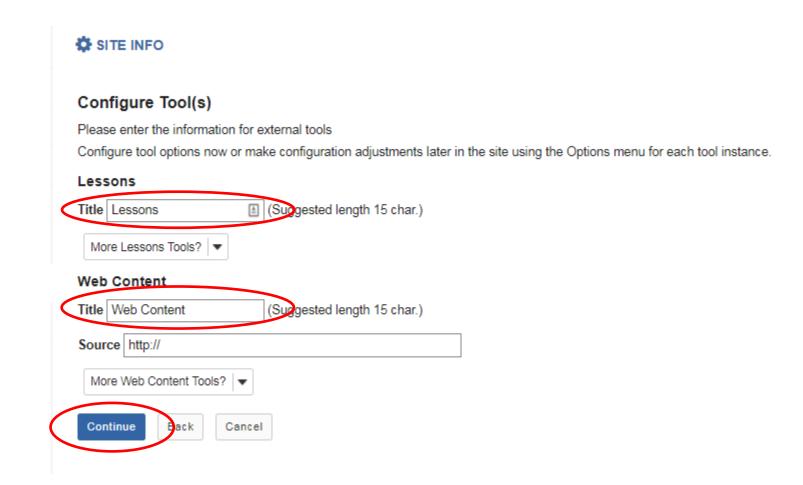
Choose tools to include on your site	NowComment
	A 3rd-party online document and media annotation and discussion service
General 7	Panopto
Overview (formerly Home)	A 3rd-party tool for viewing recorded lecture captures
The top-level page in your site that can display information about the site's purpose as well as synoptic views of recent announcements, discussions, and calendar items	Piazza
Aphouncements	A 3rd-party tool for wiki-style Q&A
Post current, time-critical information to all site participants or to groups within a site	Polls
Anonymous Feedback	For anonymous polling or voting
Allows site participants to post anonymous feedback to owners/instructors of a site	PosťEm
Assignments	Allows uploading .csv spreadsheet files to display feedback (e.g., comments, grades) to students
	Refources
Schedule, submit, and grade online assignments, including group-scoped and peer-review course work	For uploading files, posting URLs to other websites, authoring HTML pages, to share with participants in a site
Blackboard Collaborate	Roster
Create and join online real-time web conferencing sessions	Displays a comprehensive list of site participants, including their names, user IDs, email addresses, roles, and photos
Calendar	Sign-up
Post important dates, such as events, assignment open and due dates, assessment dates, etc.	Allows site participants to sign up for office hours, meetings, review sessions, and other events
Chat Room	Siti Email
For real-time online text-based conversations	create an email address for your site that can distribute messages to all active site participants
Confluence Wiki	Site Info
A feature-rich wiki for rapid and collaborative website creation	Provides features to customize and manage sites
File Drop (formerly Drop Box)	Syllabus
Private file sharing between instructors and individual students in a site	Post single or multiple course syllabus items (with SIS integration)
✓ Forums	Tests & Quizzes
Conduct unlimited discussions (integrated with other tools such as Lessons, Gradebook, and Resources)	Create online assessments (i.e., tests, exams, quizzes, and surveys) for delivery via a web interface
Gradebook Classic	Web Content
Input, compute, and store grade information and distribute it to students online and export final course grades to SIS	Seate a link to a web site in the Tool Menu of the site
iClicker	🕝 Template Help
Allows students to record their clicker number for use with iClicker software in technology-supported classrooms	(source = /access/content/group/b0ed2e05-82b7-42d0-9684-6ca47fb08f10/Basic/collaboration/index.html)
Lessons	U Wiki
For creating learning modules of content and activities structured for delivery to students	Develop collaborative documents
Media Gallery	WordPress
For creating a media gallery using uploaded video, audio, and image content	For easy creation of blogs and web sites

Continue

Allows users to send and receive private messages to other site participants

Messages

Some types of content require additional information



Confirmation

SITE INFO

Confirming site tools edits for Research Workshop Test

You have selected the following for your site (added tools highlighted):

Overview

Announcements

Forums

Lessons

Resources

Calendar

Site Email : research-workshop-test@collab.its.virginia.edu

Site Info

Research Data Servic (https://data.library.virginia.edu/)

Confluence Wiki

WordPress

Media Gallery

Template Help (/access/content/group/b0ed2e05-82b7-42d0-9684-6ca47fb08f10/Basic/collaboration/index.html)

RDS SharePoint (https://myuva.sharepoint.com/sites/rds/SitePages/Home.aspx)

Login Links (https://virginia.service-now.com/its?id=itsweb_kb_article&sys_id=90022971dbd5d3804f32fb671d9619bc)

You have enabled the Lessons subpage navigation for this site.



Your Updated Site

UVACOLLAB



Template Help 🛛 🌒	Site Information Display		Recent Announceme	ints					O Help	Options 0	
Overview	Research Workshop Test		(viewing announcements from the last 10 days)								
Announcements			There are currently no announcements at this location.								
Forums											
Resources			Calendar					@ Help	Options	r Publish	
Site Email			October 2018						< Toda	y >	
Site Info			Sun	Mon	Tue	Wed	Thu	Fri	_	Sat	
L Lessons			30	1	2	3	4	5		6	
			7	8	9	10	11	12		13	
Calendar			14 21	15 22	16 23	17 24	18 25	19 26		20 27	
Research Data Servic		28	22 29	30	31	t.	2		3		
Confluence Wiki											
VordPress			Message Center Not	fications						@ Help	
Media Gallery			New in Forums					none			

Thanks for attending!

This presentation has a companion UVaCollab site. If you would like access to that site please contact me at wtc2h@Virginia.edu and include "UCRC workshop Collab site" in the Subject line. The site can be used as a sandbox to test tools and learn to work with UVaCollab. It includes the content from this presentation.

Part II of this workshop will focus on the tools available for research collaboration, and some additional methods for using UVaCollab.