



**Collaborative writing, editing  
& publishing platform**

**at Harvard-Smithsonian CfA**

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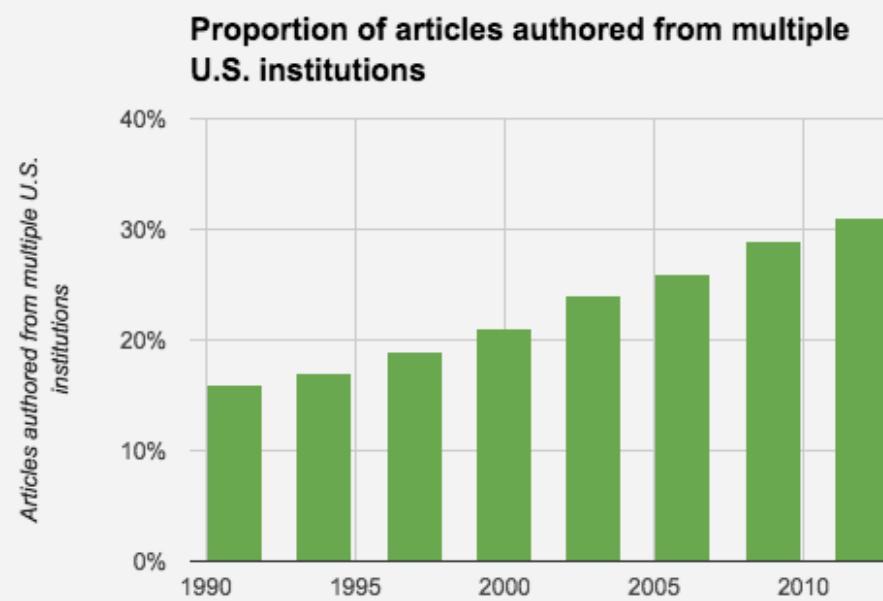
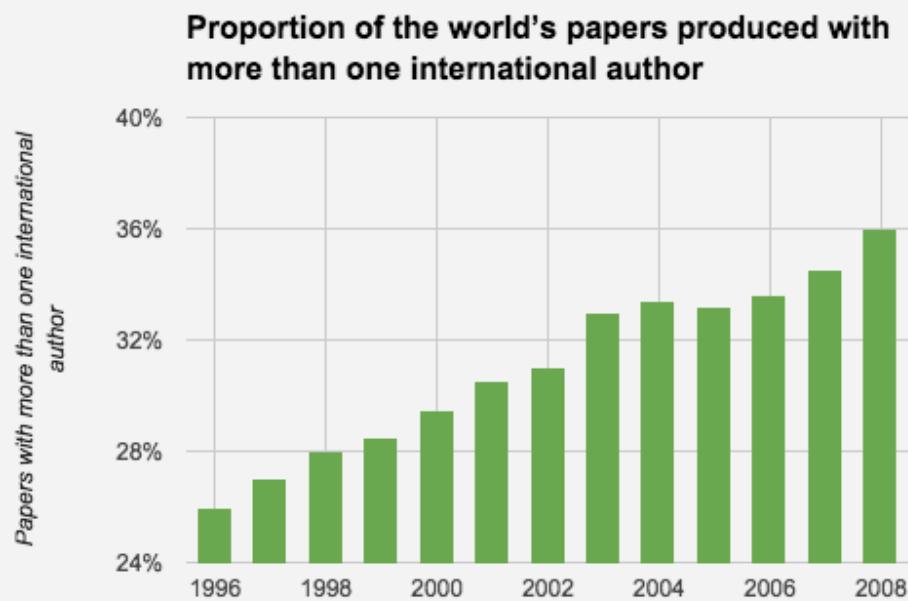
<http://www.overleaf.com/>

# Today's Agenda

- Overleaf origin story
- Growth in global research collaboration, and the challenges it brings
- Overleaf at Harvard-Smithsonian CfA
- Getting the most out of your Pro account
- Q&A



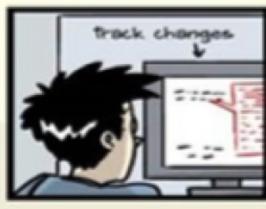
# Global research and collaboration is growing



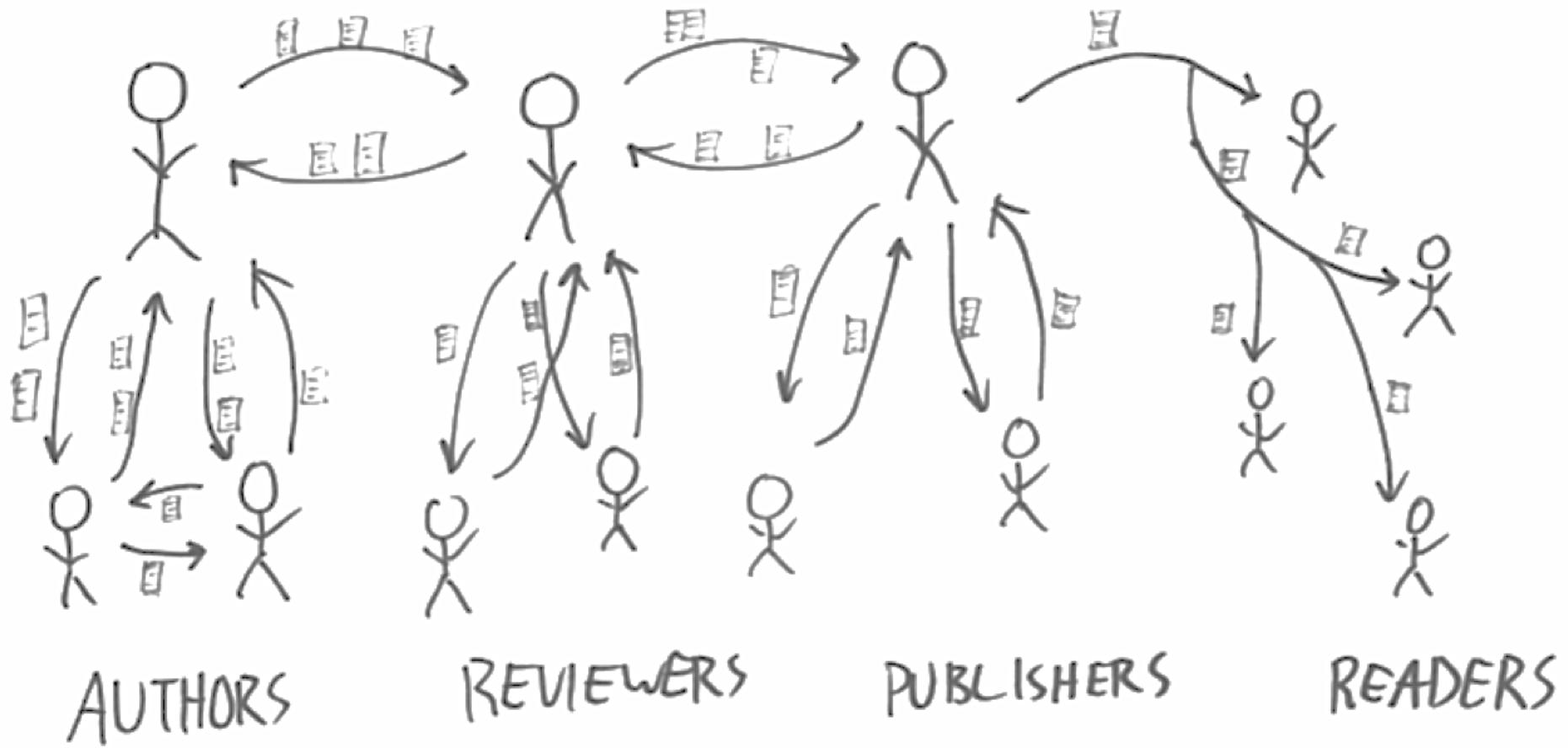
Source: Knowledge, networks and nations. Global scientific collaboration in the 21st century - The Royal Society - 2011

Source: The U.S. Science and Engineering Landscape - National Science Foundation - 2014

# "FINAL".doc

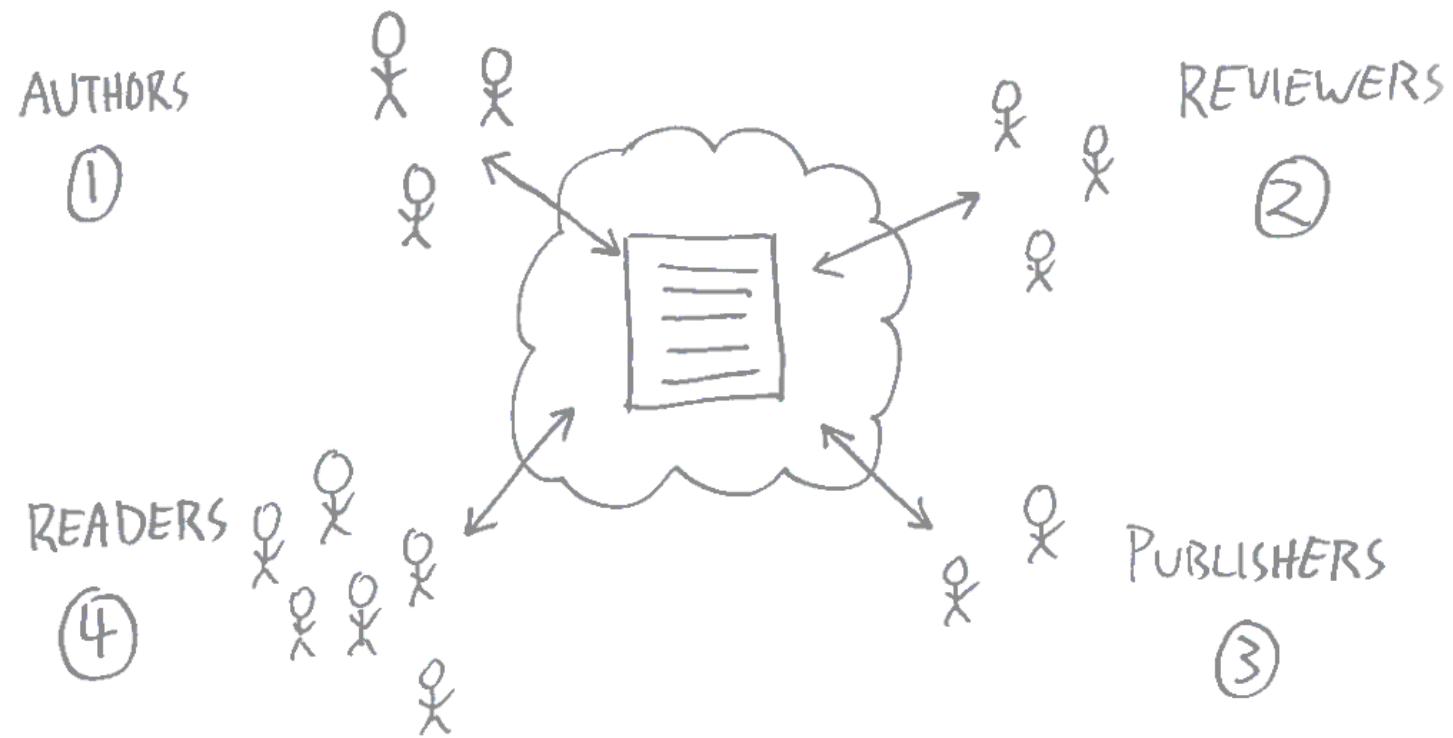


J.BEE CHAN © 2012



# Collaboration can be frustrating

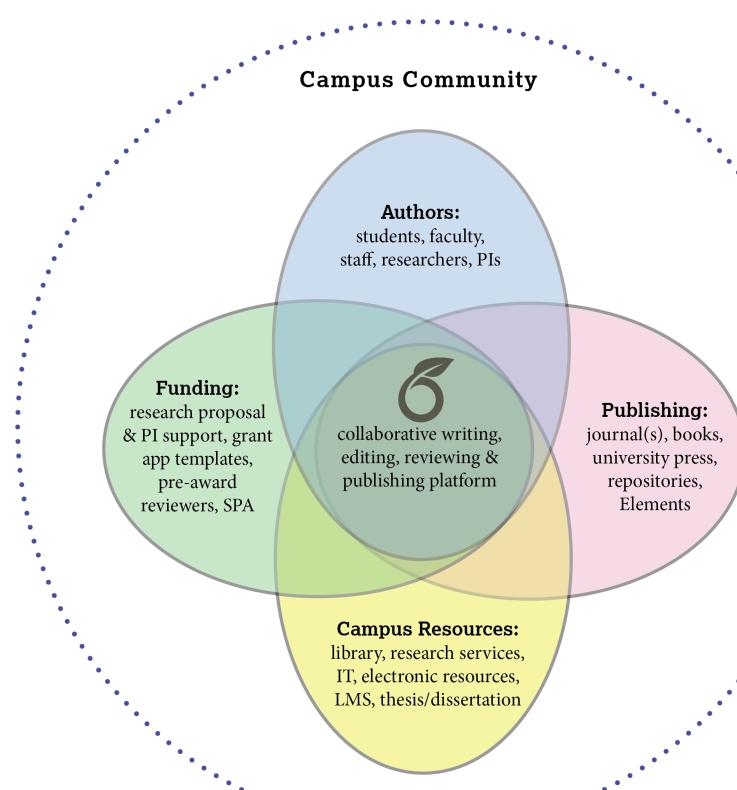
- Multiple versions of the same document
- Long email chains
- Formatting and typesetting
- Maintaining references
- Long revision cycles



# Overleaf enables research collaboration

- One version, for everyone, in the cloud
- Access control
- No local installation needed
- Integration of multiple services
- Version tracking

# Overleaf is a collaborative writing platform



# Overleaf at Harvard-Smithsonian CfA

123 Confirmed Users

Collaborating on

492 Projects

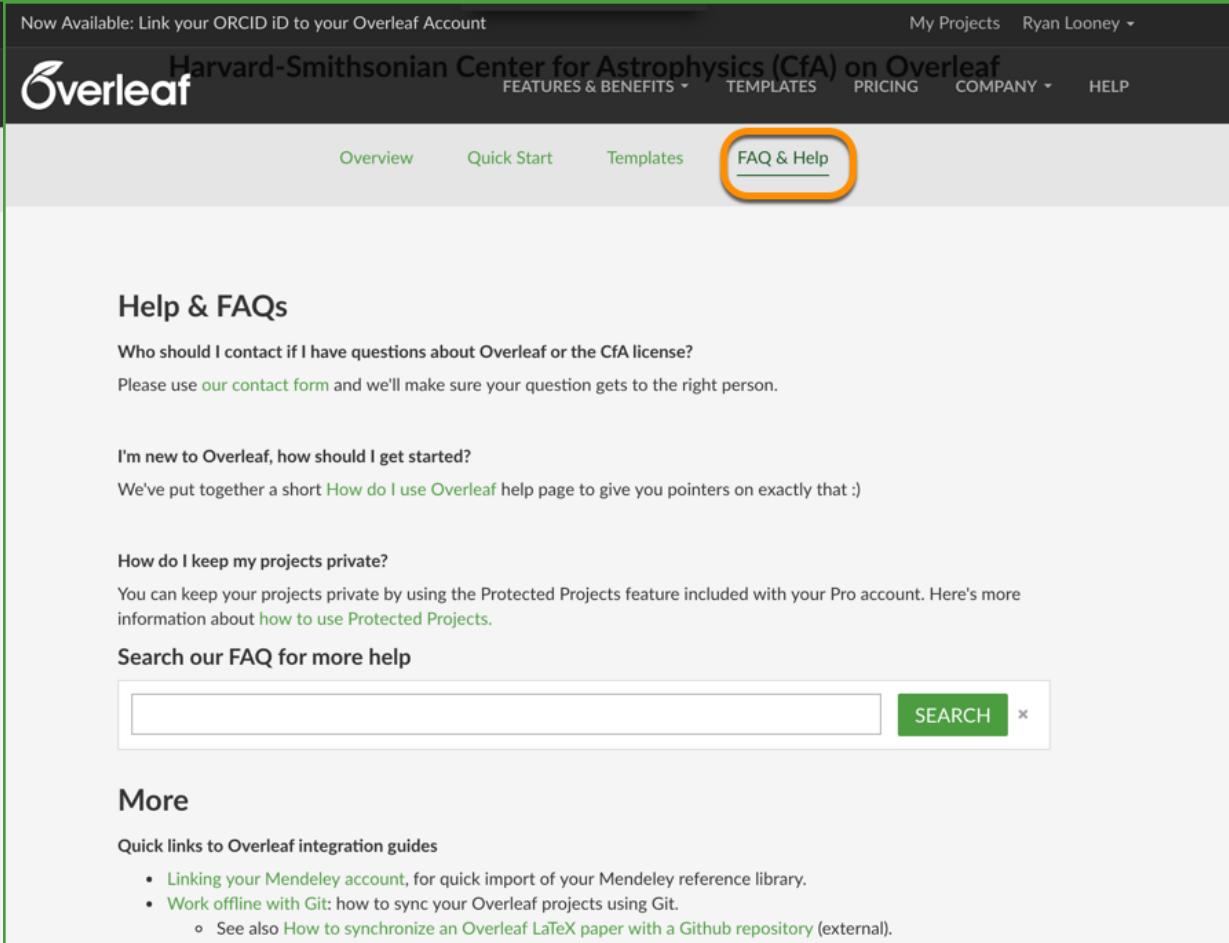
An average of 1.8 collaborators per project

As many as 46 collaborators per project

# Overleaf for Institutions

- Pro accounts for everyone at Harvard-Smithsonian CfA
- Making interdepartmental collaboration easier
- Including teaching/assignment tools for faculty
- Custom portal featuring easy sign up & writing templates
- Repository and submission system linking options
- End user support/resources – platform, templates, LaTeX

# Harvard-Smithsonian CfA portal



Now Available: Link your ORCID iD to your Overleaf Account

My Projects Ryan Looney ▾

Harvard-Smithsonian Center for Astrophysics (CfA) on Overleaf

FEATURES & BENEFITS ▾ TEMPLATES PRICING COMPANY ▾ HELP

Overview Quick Start Templates FAQ & Help

## Help & FAQs

**Who should I contact if I have questions about Overleaf or the CfA license?**

Please use [our contact form](#) and we'll make sure your question gets to the right person.

**I'm new to Overleaf, how should I get started?**

We've put together a short [How do I use Overleaf](#) help page to give you pointers on exactly that :)

**How do I keep my projects private?**

You can keep your projects private by using the Protected Projects feature included with your Pro account. Here's more information about [how to use Protected Projects](#).

**Search our FAQ for more help**

x

## More

Quick links to Overleaf integration guides

- [Linking your Mendeley account](#), for quick import of your Mendeley reference library.
- [Work offline with Git](#): how to sync your Overleaf projects using Git.
  - See also [How to synchronize an Overleaf LaTeX paper with a Github repository](#) (external).

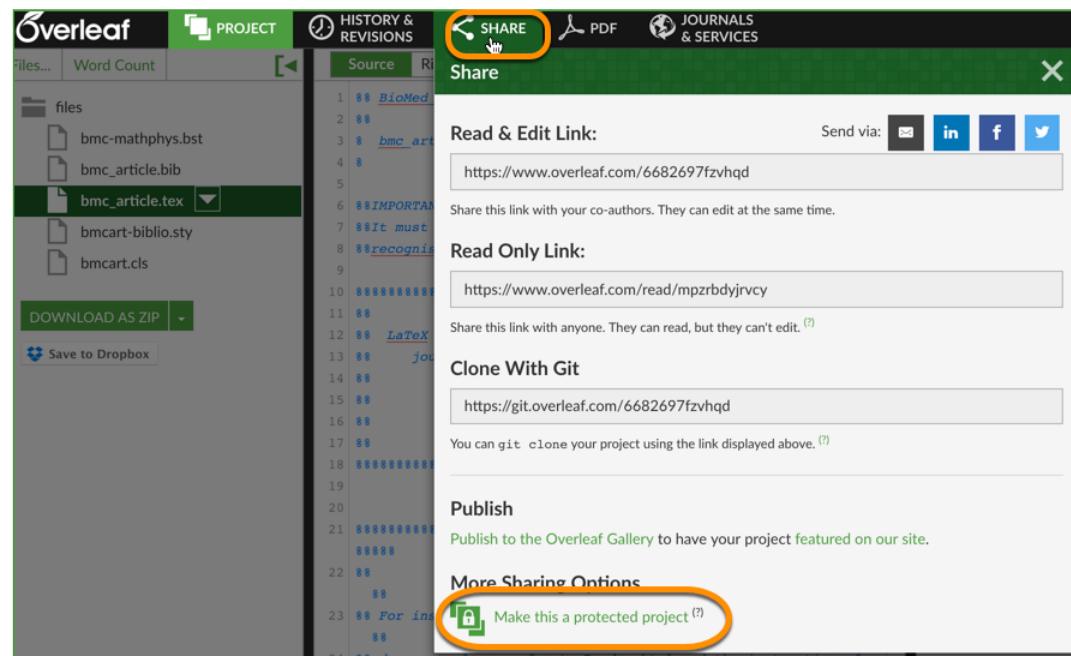
Learn how to link your LaTeX document with PhotoShop and Inkscape with the [Overleaf LaTeX guide](#).

## Pro Account Benefits

- 10GB storage & 500 files per project
- Advanced access control for protected projects – only allow invited collaborators to see your project
- Full project history along with version control
- Priority support
- Quick save to Dropbox

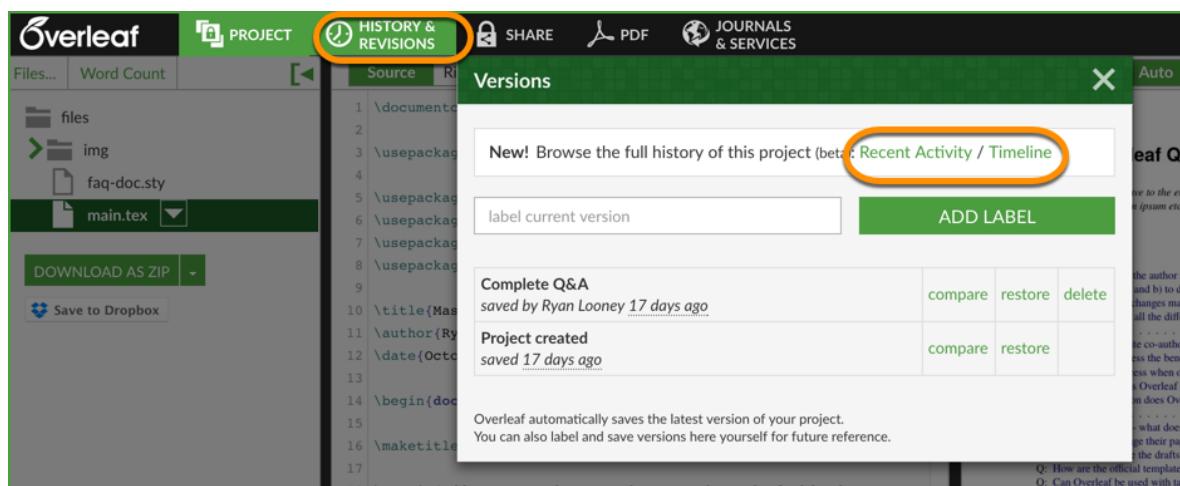
# Pro Account - Protect Projects

- Projects are private by default, and easily shared with a link
- Protected projects only allow invited collaborators to view the project
  - Collaborators must be signed in to their Overleaf account
- Allowing projects to be protected by default is on our roadmap



# Pro Account - Project History

- Full history allows you to view all changes made on a project, and who made them
- Full history lets you view code before and after changes were made
- Labeling versions makes it easy to compare changes, and restore the previous version



# Pro Account - Teaching Tools

The screenshot shows the Overleaf website at <https://www.overleaf.com/edu>. The page is titled "Overleaf for Education". On the left, there is a sidebar with links: Introduction, Video, Getting Setup, Course Package, Example Course, and Testimonials. The main content area features a heading "Students learn quicker, and teaching is made easier". Below this, there is text about Overleaf being used for teaching mathematics and physics, and a section on how templates work. At the bottom, there is a video player with the title "A short video introduction to teaching with Overleaf".

https://www.overleaf.com/edu

New Feature: Manage Shared References with Mendeley Groups

SIGN UP SIGN IN

Overleaf

FEATURES & BENEFITS ▾ TEMPLATES PRICING COMPANY ▾ HELP

Overleaf for Education

Introduction  
Video  
Getting Setup  
Course Package  
Example Course  
Testimonials

Students learn quicker, and teaching is made easier

Overleaf is being used to teach mathematics, physics and other courses in universities around the world. Teachers use Overleaf for interactive demonstrations during class, and provide students with templated assignments which they can open & edit securely online - there's nothing for them to install to get started.

How do templates work? Open this homework assignment to see for yourself; it's as simple as that. Every student who clicks the link will create their own personal copy to complete and hand in. We can provide you with standard templates for assignments, problem sheets, and course notes, or you can upload your own.

Our Course Package provides management tools for easily collecting and distributing assignments - watch the video below to find out more, or get in touch to discuss.

A short video introduction to teaching with Overleaf

Teaching with WriteLaTeX

John Hamerley

Weekly Homework X

Tony Stark  
Foundations of Mathematics

# Integrations and partnerships

Author Services

Academic Journals



Reference Managers



Online Repositories



# Link your account

## Linked Accounts

You can link your Overleaf account with other services to enable the features described below.

### Twitter

Sign in to Overleaf with your Twitter account.

[unlink](#)

### Google

Sign in to Overleaf with your Google account.

[LINK](#)

### ORCID <http://orcid.org/0000-0002-2634-2493>

Securely establish your identity by linking your ORCID iD to your Overleaf account. Submissions to participating publishers will automatically include your ORCID iD for improved workflow and visibility.

[unlink](#)

### Figshare

Export your Overleaf projects directly to Figshare via the publish menu.

[LINK](#)

### Zotero

Import your Zotero bibliography into your Overleaf projects with one click.

[LINK](#)

### Mendeley

Import your Mendeley bibliography into your Overleaf projects with one click.

[unlink](#)

# Resources and help

- Free Introduction to LaTeX [View](#)
- Linking to your Mendeley Account [View](#)
- Working Offline with GIT [View](#)
- How to create plots and figures with Plot.ly and import them into your Overleaf projects [View](#)
- How to publish your projects on Figshare to get an instant DOI [View](#)
- How to import your references from Zotero and CiteULike [View](#)
- How to setup an auto-backup using Overleaf → Dropbox → BitBucket (external) [View](#)

[www.overleaf.com/help](http://www.overleaf.com/help)

[www.overleaf.com/contact](http://www.overleaf.com/contact)

# Q&A

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Shelly Miller, Institutional Sales and Outreach

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Thank you!

## Q&A - Tell me more about Git integration

Thorough instructions and explanations about the link between Overleaf and Git can be found at:

<https://www.overleaf.com/blog/195-new-collaborate-online-and-offline-with-overleaf-and-git-beta#.WC8m0OErLEY>

and

<https://www.overleaf.com/help/230-how-do-i-push-a-new-project-to-overleaf-via-git#.WC8nReErLEY>

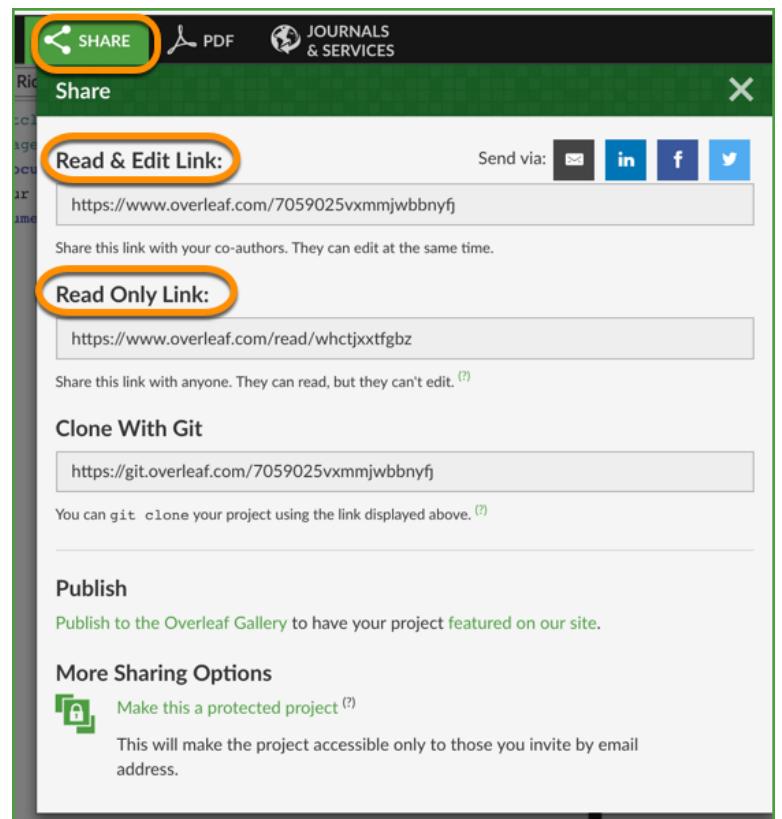
For more examples of Git integrations, please contact us at  
[support@overleaf.com](mailto:support@overleaf.com)

## Q&A – Tell me more about private vs protected projects.

- Overleaf does not automatically include any projects in the gallery, nor does Overleaf have a list, directory, or search that surfaces projects.
- All projects are private by default. This means that only those with the link can access the project. We actively employ technologies to prevent URL scraping and other techniques for guessing URLs.
- Protected projects allow you to limit access to specific users you designate. To protect a project, select the bottom option from the Share menu.

# Q&A – If I share the link to my project, can anyone edit it?

- Anyone who has the Read and Edit link can edit the project. Those with the Read Only link can't edit it.
- The Read Only link will be upgraded in the near future.
  - All files will be visible in source mode
  - A PDF-only view will be available



## Q&A – Does Overleaf offer a local installation option?

- If you have LaTeX installed locally, you can use the Git sync to push files that you create locally to Overleaf. Overleaf
- We are looking at options for making the Overleaf editor an offline app, but our current focus is on collaboration, and keeping a cloud-based project so that we maintain only one code base.

## Q&A – How does Overleaf deal with conflicts when people edit a project simultaneously?

- Overleaf uses Operational Transformation when working simultaneously with other users. Conflicts can't be created as editing happens in realtime.
- For users working offline with Git, when changes are pushed back to Overleaf, Git will merge changes if it can. If it can't it will allow you to resolve conflicts.

## Q&A – Can I link references from ADS?

- We don't offer that yet, but we have been talking to them.

## Q&A – Is there an integration with Open Science Framework/COS?

- We have links into two of their preprint servers as the first phase of our integration with the OSF. As they develop their API, we'll be able to link OSF projects with your Overleaf project. This further integration is expected to be released next year.