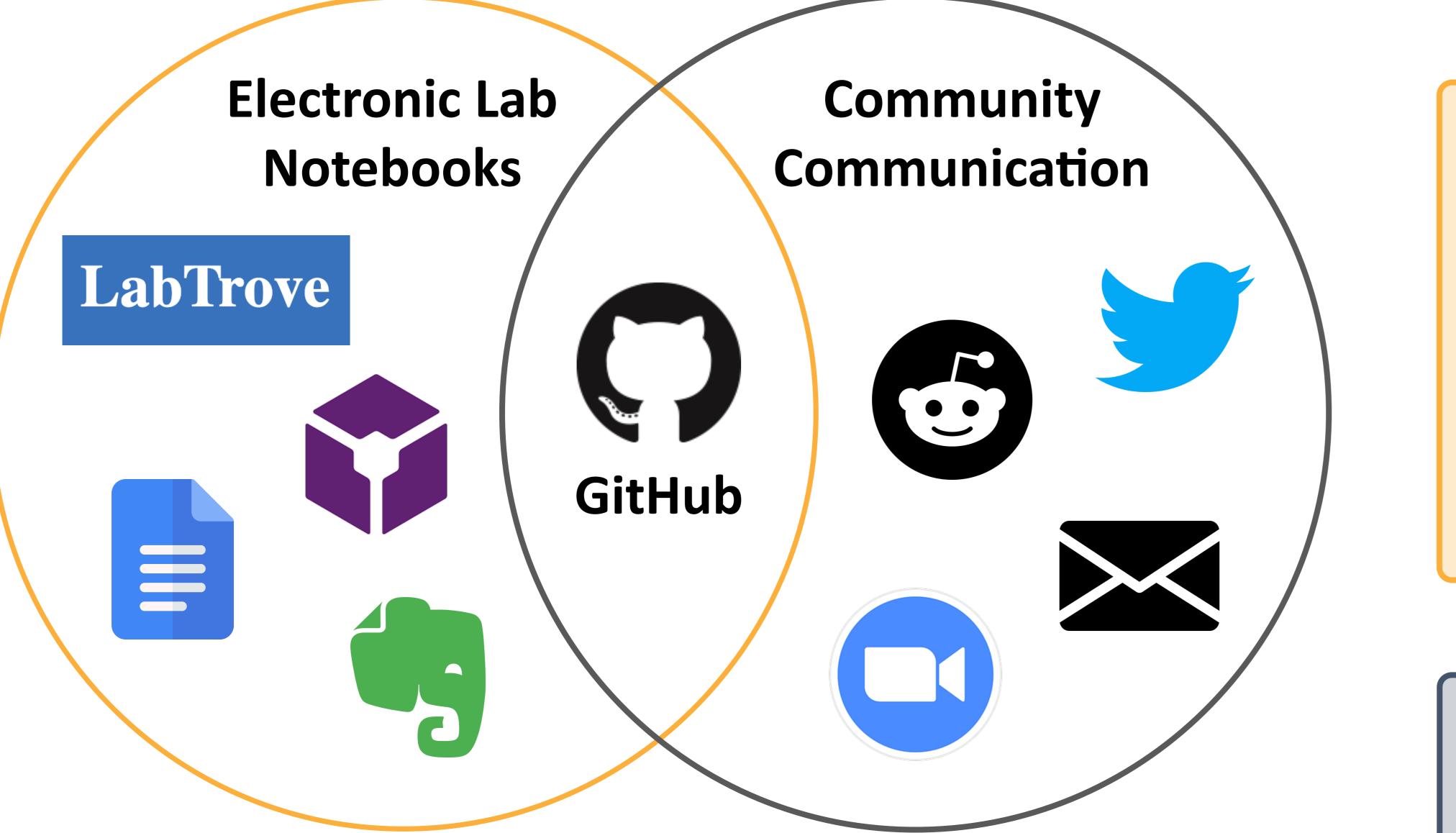
# SHARING SCIENCE THROUGH FREE AND OPEN ELECTRONIC LABORATORY NOTEBOOKS – A GITHUB CASE STUDY

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# How can we share scientific data in real time?



# What is GitHub?

GitHub is a web-based graphic interface for Gi an open source version control system.<sup>1</sup>

# Why do we use it?

Originally developed for coders, GitHub ha several underlying principals and features suitable for open source and citizen science.

### References

1. Brown. K., 2019, What is GitHub, and what is it used for? *How to Geek*, viewed March 23 2020 at https://www.howtogeek.com/180167/htg-explains-what-is-github-and-what-do-geeks-use-it-for/

## Advantages

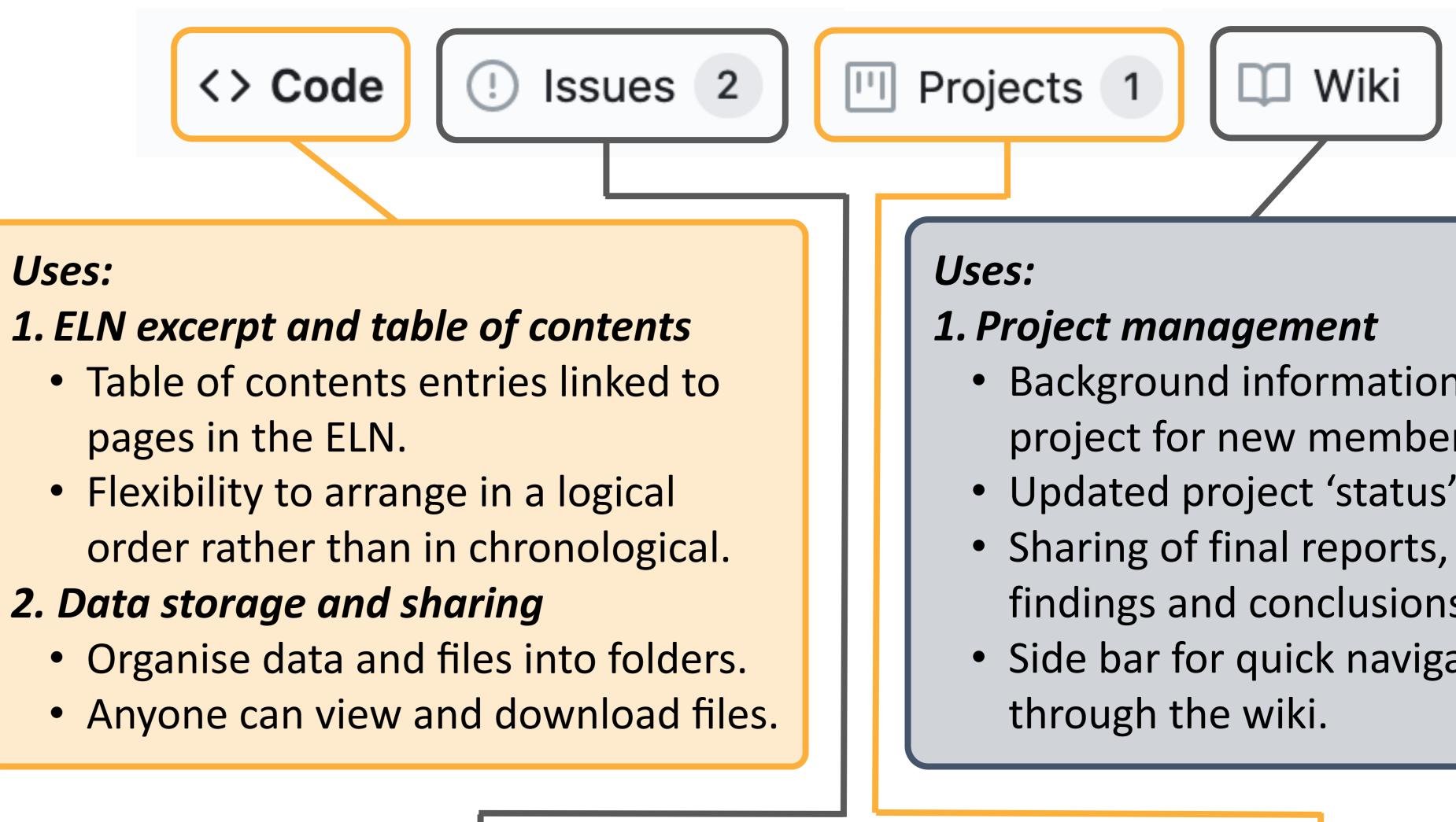
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Version control

- Accessible to everyone
- Central location
- Easy to share information
- Real time, public and open
- collaboration and communication

Uses:





### 1. ELN pages

- Blank canvas for complete flexibility in page structure.
- Drag and drop images, PDFs, .docx, .pptx .xlsx, text and ZIP files.
- Insert tables in markdown or drag and drop from Microsoft word etc.
- Communications can be made directly on the specific experiment.

### **2.** Discussion and sharing of ideas

 Using individual issues keeps communications ordered and collated based on subject/idea.

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 Background information to project for new members. • Updated project 'status' page. findings and conclusions. • Side bar for quick navigation

