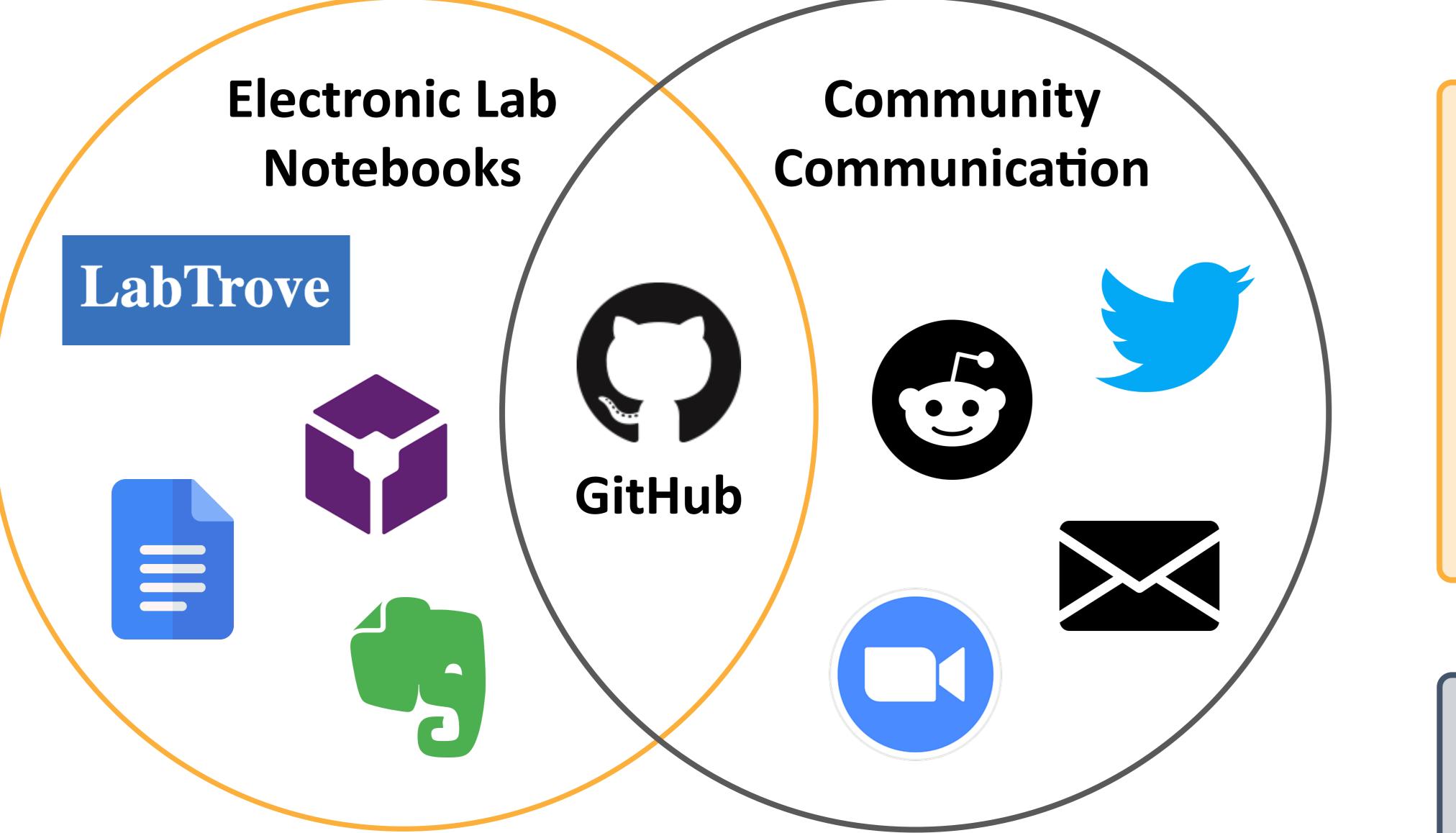
SHARING SCIENCE THROUGH FREE AND OPEN ELECTRONIC LABORATORY NOTEBOOKS – A GITHUB CASE STUDY

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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.¹

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

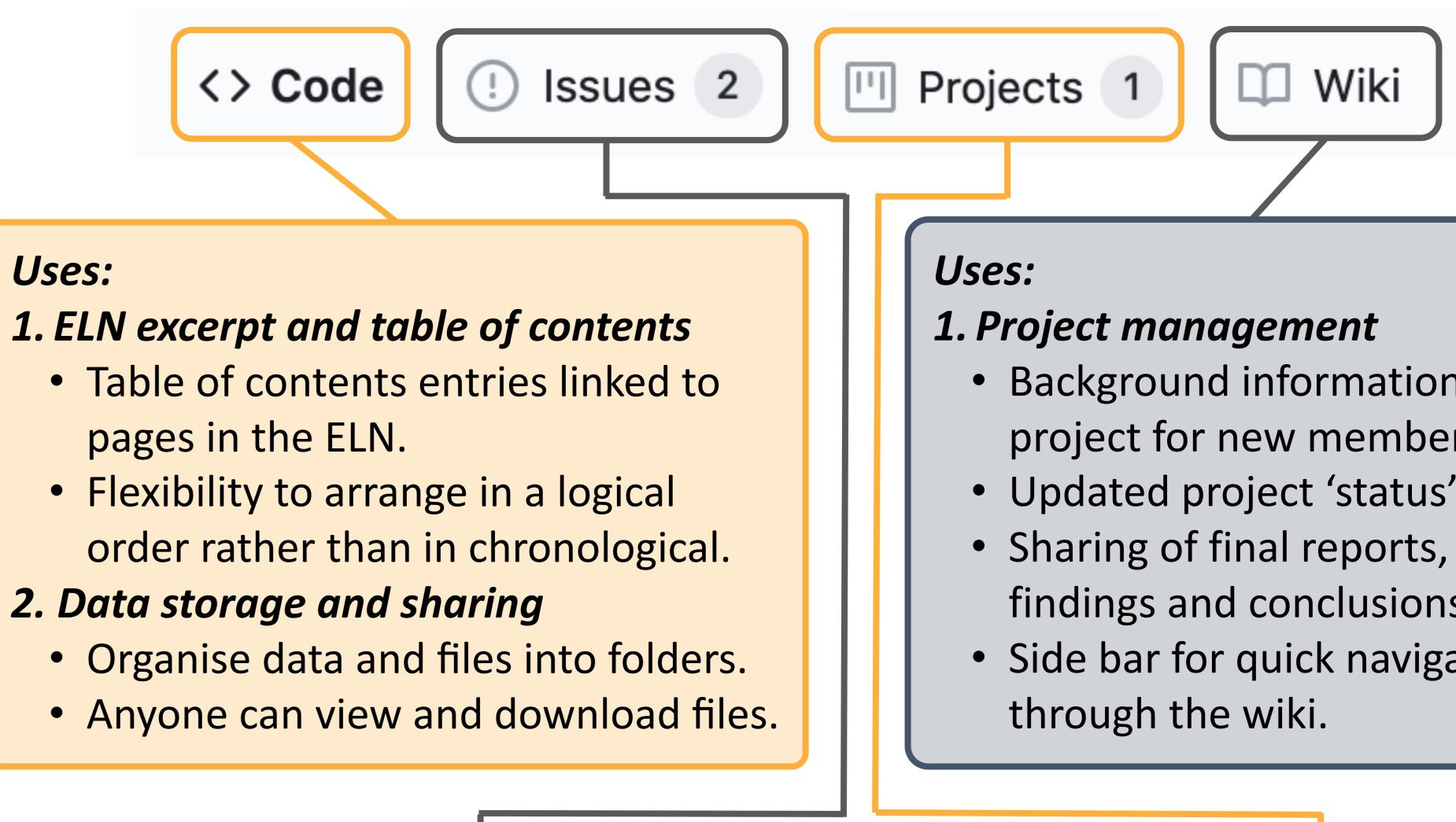
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Version control

- 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.

Acknowledgements

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

