## Thoughts

- Remember: everytime you compile a pdf with latex, it creates a change in the logfiles and you have to commit and push again although it doesn't really seem like you made any changes
- All collaborators should have their own branch
- How do I change the environment used for python scripts using the terminal? It does not work to change this in the Anaconda prompt and open vs code from there.
- compare GitHub-for-education vs GitLab (UiB environment)
- implementation of GH+VSC:
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  - GEOF105 (Kjersti + Andrea+Julien) - autumn
  - GEOF213 (Camille + Hari+?) - autumn
  - GEOF346 (Helge + Kjersti?) - autumn
  - Mostafa-course - autumn
  - Thomas-course - autumn

## Existing repositories for UiB courses as of 02/2023:

- public: GEOF211, GEOF212, GEOF321, GEOF337
- private: GEOF105 (probably many more)
- maybe ask the owners of the repositories for potential more existing ones?
- professors (Ilker Fer, Mostafa Paskyabi, Kerim), researchers (Daniele, Ailin, Joao), PhDs, master students, etc

## Brainstorm with Helge:

- show how to reach success with the tool for the teachers
- show how to use with MatLab with VSC
- INF100 course for students with Python over Anaconda
- have examples to go through, demonstrations (how to upload)

## Teachers' breakfast plan (35min)

:

- Presentation of ourselves + General outline/aim of the talk (2min)
- Presentation of the issue (2min): Anaconda in INF100: only formal course for all MatNat students to learn Python
- Presentation of the solution: GH+VSC (2min)
- Presentation of GH (2min)
- Presentation of VSC (2min)
- Demonstration of data synchronisation, push/pull/commit, etc (4min)
- Who uses this: presentation of existing repositories (1min)
- Quotes from GFI users in teaching (2min)
- Demonstration of VSC with MatLab (1min)
- Demonstration of VSC with Python (1min)
- Demonstration of VSC with Jupyter notebook (1min)
- Presentation of Vår notebook (10min)
- Recent research outputs/findings for GH and/or VSC and/or Jupyter notebooks (2min)
- Next steps with Tutorial guide-/handbook and/or course/seminar for teachers and students (1min)
- Next step with prototyping at GFI and maybe exporting outside to other departments at MatNat (1min)
- Thanks and segue into questions (1min)

## Cambridge University Press meeting:

Mail from Thomas:

"It would probably be most valuable if you could talk about **why integrating programming would be valuable and how you intend to support it at our department**. In general, all future textbooks should have Python exercises that go along with the material. If this is a message we could land with her and with her understanding the need and potential, this could be useful. If you can then speak both from your perspective as a student as well as from your perspective as someone developing the Python programming that goes along with our teaching."

- GEOF210 (data analysis)/GEOF211 (numerical modeling) courses last moments to have learned programming for the students
- programming exercises printed in textbooks doesn't seem to make sense
- CUP could think about supporting textbook narrative/theory with relevant platform for programming environment (jupyter notebook, needs to be updated); if on GitHub, open source and peer-contributed but also free, could be good advertisement; if not, link file/folder to textbook for users. What's the best interface?
- current GEOF courses exercises could be relevant resources for a GFI-topic-textbook. We have several references at GFI.