Instructions for editing GeoSciML and EarthResourceML website content

1. **In a web browser browse the GitHub document repository:**
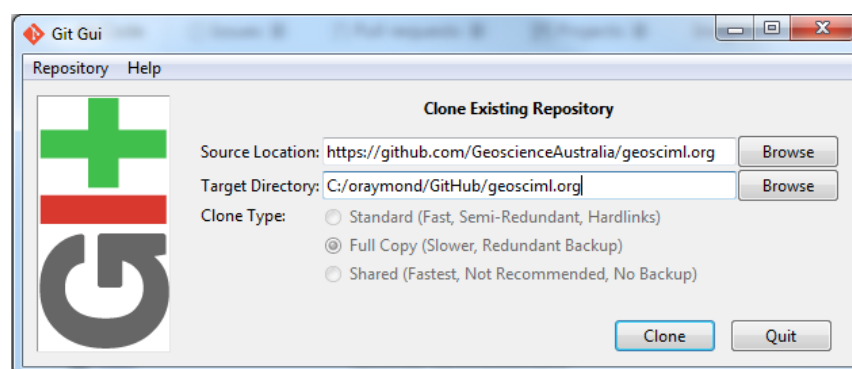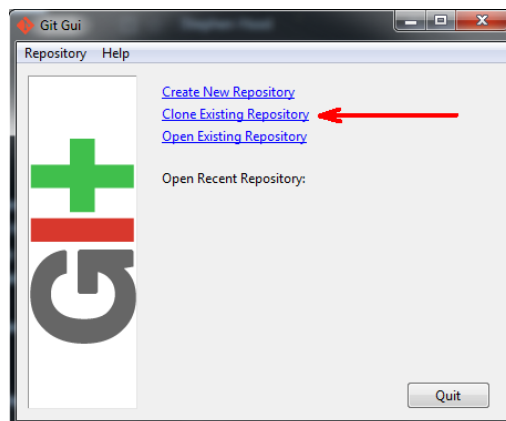   - login to the relevant GitHub repository
     - https://github.com/GeoscienceAustralia/geosciml.org
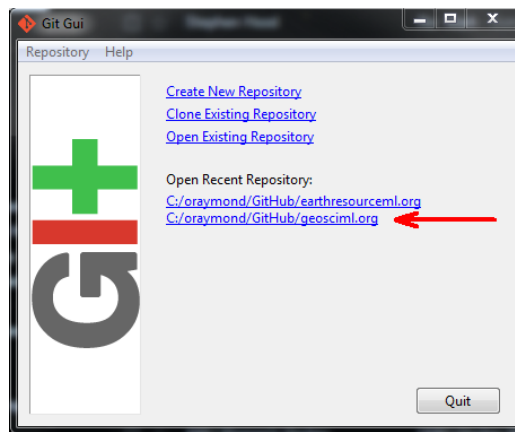   - https://github.com/GeoscienceAustralia/earthresourceml.org
   - e.g,
     - ollieraymond (or oliver.raymond@ga.gov.au)
     - Tia****!

   - you can make changes to documents directly in the online GitHub repository, or you can follow **Steps 2 – 5** to make a local synchronised copy of the GitHub repository from where you can edit the files.

2. **Make a local copy of the GitHub repository**
   - Install a Git client on your PC (e.g., Git Gui)
   - Clone/synchronise the online repository to your C: drive
     - e.g., C:/oraymond/github

   - Note can also do this via DOS command line:
     - git clone https://github.com/GeoscienceAustralia/geosciml.org.git

   - Open a connection to the repository by pointing to the local copy of the repository on your C: drive

- If you cannot connect to the repository, check your proxy settings. It may be necessary to run this DOS command to update your proxy password:
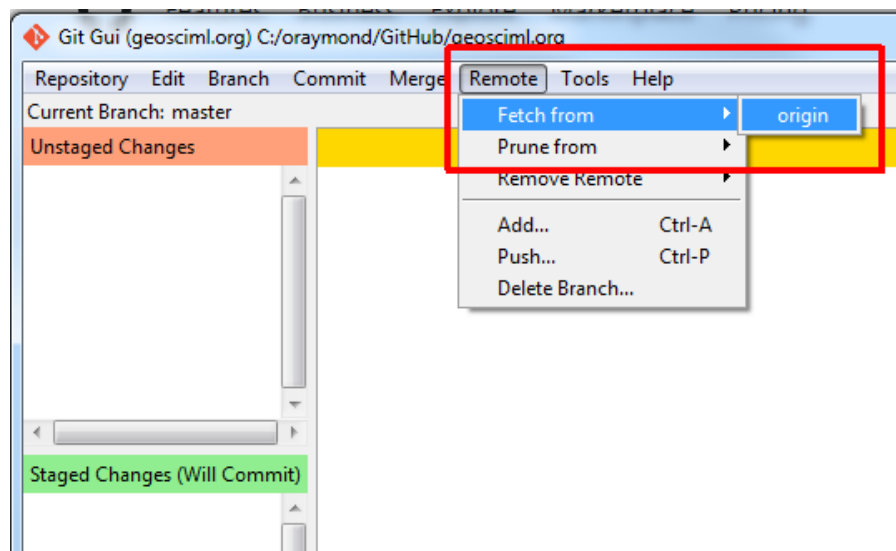
  git config --global http.proxy "http://<username>:<password>@<your_proxy_address>:<port>"

  Note that you need the double quotes if the password contains non-standard characters.

3. **In Git Gui, *before you make any changes to files in your local repository*, make sure that your local repository is synchronised with any recent changes made by other collaborators in the GitHub repository**
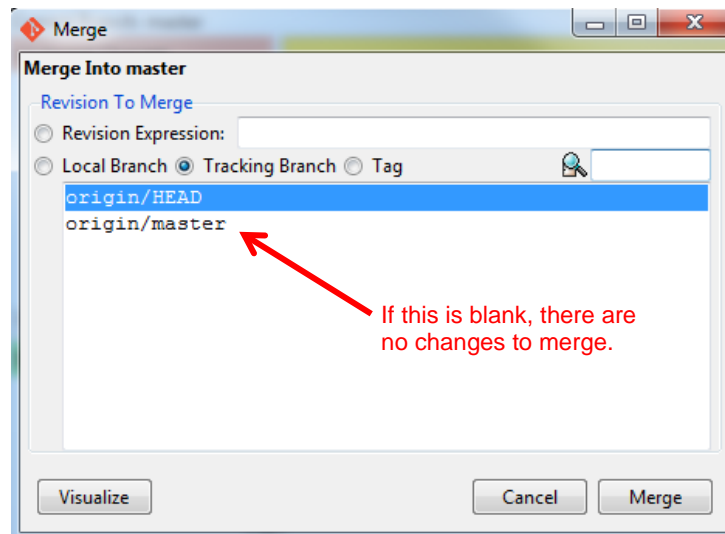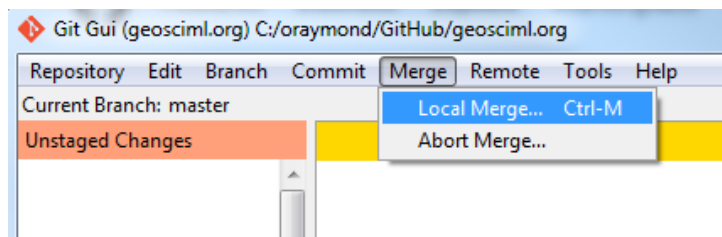
Step 1 - Fetch
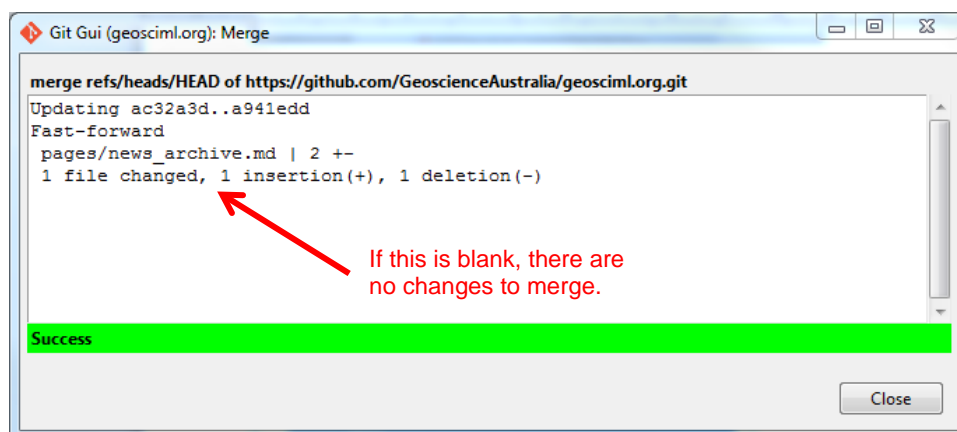
- Click "Remote" >> Fetch from…

<u>Step 2 - Merge</u>

o Click "Merge" >> Local Merge

o Click "Merge"

4. **Open MarkDown (.md) files from your local repository copy into your favourite text editor, or a Markdown editor, for editing.**
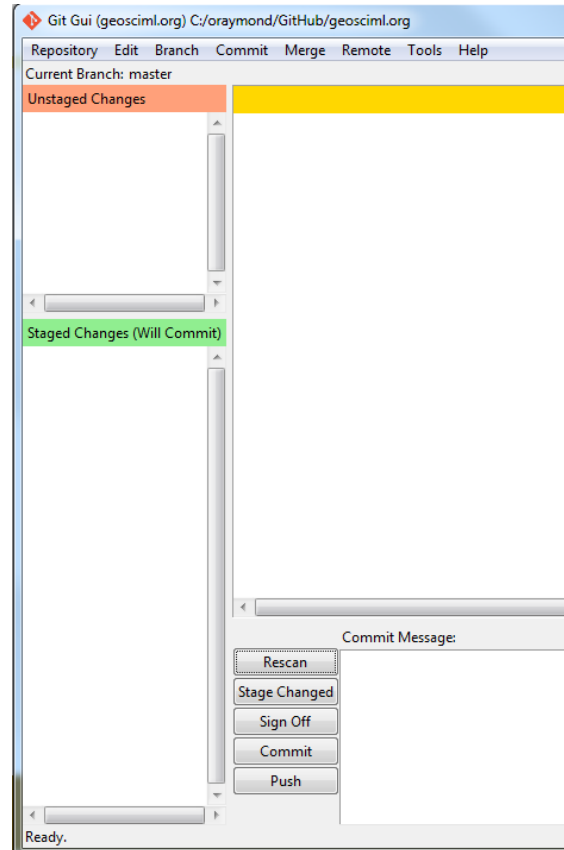
There are online Markdown editors available that provide WYSIWYG portrayal of Markdown text (eg, https://jbt.github.io/markdown-editor) , but beware that not all Markdown WYSIWYG portrayal tools use the same formatting rules!

- Edit the Markdown files like wiki text
- Editing guide - https://guides.github.com/features/mastering-markdown/

5. **Now push your local changes back to the GitHub repository**

In Git Gui,
- Click "Rescan" to scan your local repository for recently edited files.
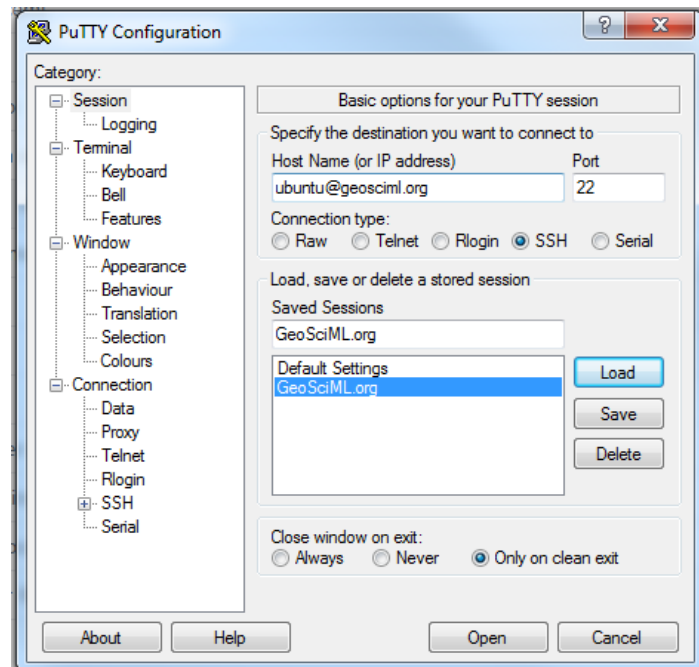

- The edited files should appear in the "Unstaged changes" pane

- Click "Stage Changed"
  o Type in a message to describe the changes you have made

- Click "Commit".
  o If successful, a "Created commit…" message appears at bottom left of application window

- Click "Push", then "Push" again
  o Enter your GitHub password if asked

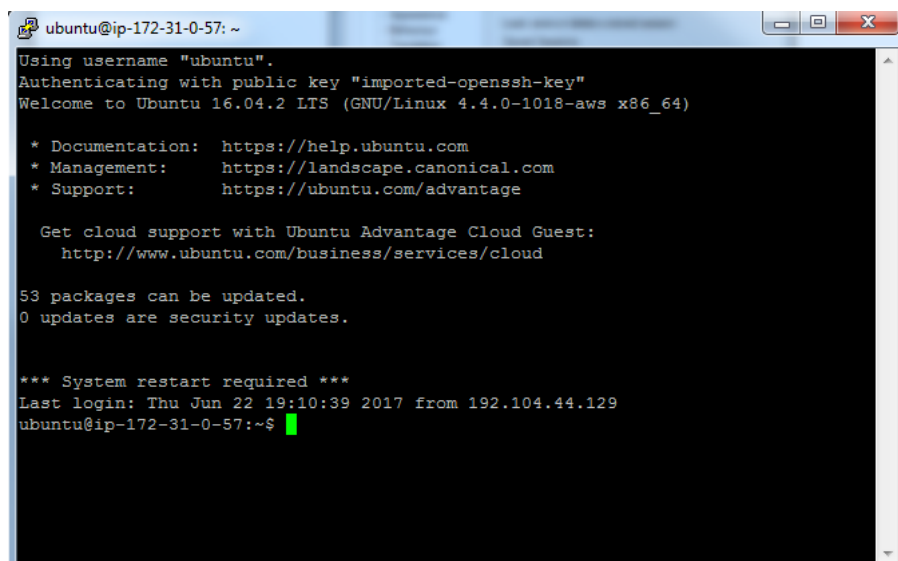- Changes are pushed to online repository

6. **Now pull the changed files from GitHub to the website**

- Use Putty
  o Configuration (you only need to do this once to set up a connection to the GeoSciML web server):
    o Host name = ubuntu@geosciml.org

o   Port = 22

o Save the session as 'geosciml.org'

o Connection >> SSH >> Auth
    o   load the geosciml.org SSH key (attached file : geosciml2.ppk)
    o   (note that this authorisation key works for both the GeoSciML and
        EarthResourceML websites because they are on the same web server)

o Save again

o For any subsequent connections to the GeoSciML web server, just highlight your
  saved 'geosciml.org' session, and click "Load"

o "Open" the 'geosciml.org' session

o Once you have connected…

- o **cd /var/www/html/geosciml.org**
  (or **cd /var/www/html/earthresourceml.org**)

- o **git log -3** (optional. This just lists the last 3 changed files as a check)

- o **git pull** (pulls to the web server from GitHub)

- The changes should be visible immediately on the website