**Keeping Your Toolbox Synchronized with Git in MATLAB**

Prerequisites

Before you begin, ensure that Git is installed on your computer. You can download it from [git-scm.com](https://git-scm.com/).

Initial Setup

1. **Clone the Repository**: First, you need to get a local copy of the toolbox on your computer. Open MATLAB, go to the Command Window, and enter the following command:

matlab code

*!git clone https://github.com/pablotrucco/PAP\_biogeochemical\_QC\_calibration.git*

This command downloads the toolbox into a folder named **PAP\_biogeochemical\_QC\_calibration** in your current MATLAB working directory.

1. **Navigate into the Repository Folder**: Change your current MATLAB directory to the folder where the repository is cloned:

matlab code

*cd PAP\_biogeochemical\_QC\_calibration*

Regular Updates

To keep your toolbox up to date, follow these simple steps periodically:

1. **Open MATLAB**: If it’s not already open, start MATLAB.
2. **Go to the Toolbox Directory**: Make sure you are in the directory of the toolbox repository that you cloned earlier. You can navigate there using the **cd** command as shown in the initial setup.
3. **Pull the Latest Updates**: Fetch and download the newest updates from the repository:

matlab code

*!git pull origin master*

This command downloads updates from the "master" branch, ensuring your toolbox is up-to-date.

What to Avoid

* **Do Not Make Changes**: As a user who only needs to update the toolbox, avoid modifying any files within the toolbox directory. Changes might conflict with updates from the original repository.
* **Do Not Create or Delete Files**: Keep the toolbox directory clean and untouched other than updates from the original repository to prevent any potential issues.

Troubleshooting

If you encounter errors during the update process, such as conflicts or messages about the repository being ahead or behind, contact me (Pablo Trucco, pabtru@noc.ac.uk) for assistance. These issues could arise if accidental changes were made locally.

By following these steps, you can easily keep your MATLAB toolbox synchronized with the latest updates without needing advanced knowledge of Git or programming.