

# CFM Software Carpentry Tracks - 2017-10-03 - Introduction to Version Control with Git

**Date & place:** Materials Physics Center (CFM) Computer Room - San Sebastian, 3rd October, 9:30-13:30 2017

**Track:** Introduction to Version Control with Git

**Material:** <http://iamc.eu/cfmsctracks-20171003-git-novice/>

**Autor:** Iñigo Aldazabal Mensa <[inigo.aldazabalm@ehu.eus](mailto:inigo.aldazabalm@ehu.eus)>

## Abstract

This will be an introductory lesson to [version control](#) using the widespread distributed version control system [Git](#). We will learn enough to use Git to control our files in a day-to-day workflow, and we'll also take a look at [Github](#) web service and play around a bit with it.

Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later. It allows us to do things as jumping to any moment in a file past history, tracking changes and see differences between any two moments on time, long-term undo, seamlessly collaborate with other people, and many others we'll see...

We will cover topics as:

- Setting up Git and creating a local repository
- Tracking changes and exploring history
- Remotes in Github
- Collaborating with other people
- Resolving conflicts

The participants are encouraged to follow the lesson typing along in their laptops, even though we will have computers available in the computing room. You can follow this [installation instructions](#), ignoring the last Python part if you want.

### Note

We will do some collaborative work using Github. In order to follow this part of the lesson you'll need a Github account, so please [create one](#). You can always remove it later if you want so.

**Targeted audience:** scientific and technical people interested having a control over the evolution and history of changes of files and projects they work on, as well as to collaborate with others on a shared repository.

**Content level:** beginner

**Audience prerequisites:** minimal command line usage.

## Lesson material and License

You can find the lesson we will be following in <http://iamc.eu/cfmsctracks-20171003-git-novice/>.

This material is forked from "An introduction to version control for novices using Git" [Software Carpentry](#) lesson. You can always find the last version of this material at <https://swcarpentry.github.io/git-novice/>

This work is licensed under a [Creative Commons Attribution 4.0 International License \(CC BY\)](#).