

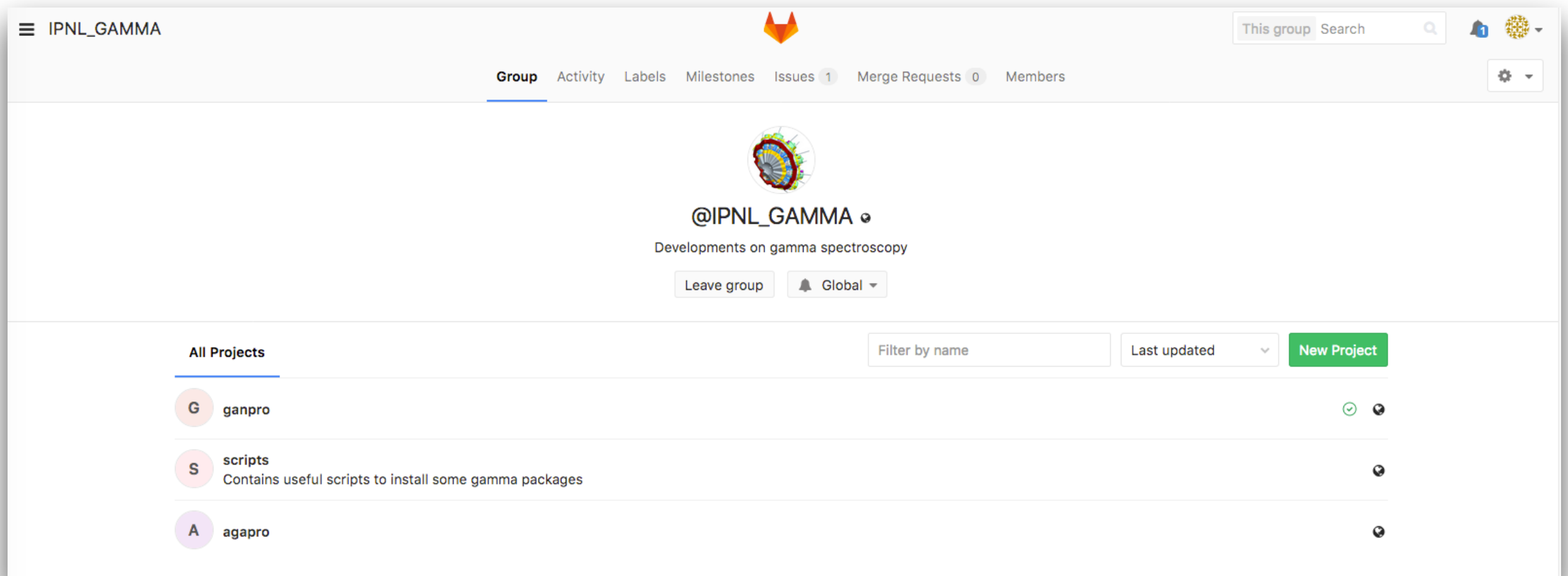
# Cookbook for developers working on the IPNL\_GAMMA repository

You need to have an account on [gitlab.in2p3.fr](https://gitlab.in2p3.fr)

The way to work is the following:

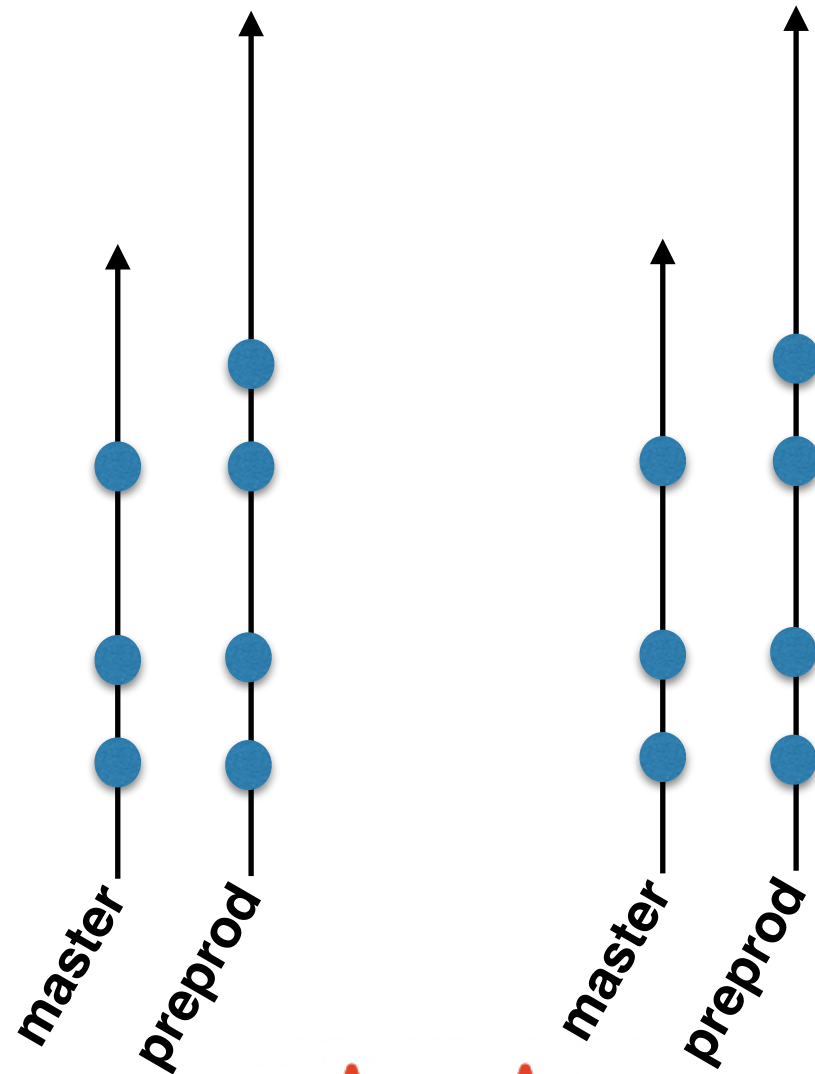
- get copies of the project (repository) you would like to work on
- create locally your branch(es) to handle your developments
- commit and save your work in your gitlab
- synchronize as often as possible your branch(es) from the gamma/preprod branch  
(👉 to include other's developments and avoid merge conflicts with gamma/preprod)

Merge your developments using a merge request on gitlab



# First time, to get a copy of the full gamma/git repository on my gitlab

@IPNL GAMMA → @mygit



● is a commit

LOCAL COMPUTER

1: go to IPNL\_GAMMA/repo

2: fork the repository

3: select your gitlab

NOTE: It might take some time, avoid clicking too much ...

# First time, to get a local copy of the gamma/preprod branch on my computer

@IPNL GAMMA

LOCAL COMPUTER

<sup>1</sup>see cookbook on ATRIUM

```
python scripts/AgataSoftware.py --ganpro= all1
```

```
cd GANIL/ganpro/  
git remote rename origin gamma  
git checkout preprod
```

```
git remote add mygit https://gitlab.in2p3.fr/mygit/repo.git
```

let your local know where is your git\*

it creates a local preprod from gamma/preprod

to clearly identify the IPNL\_GAMMA repository

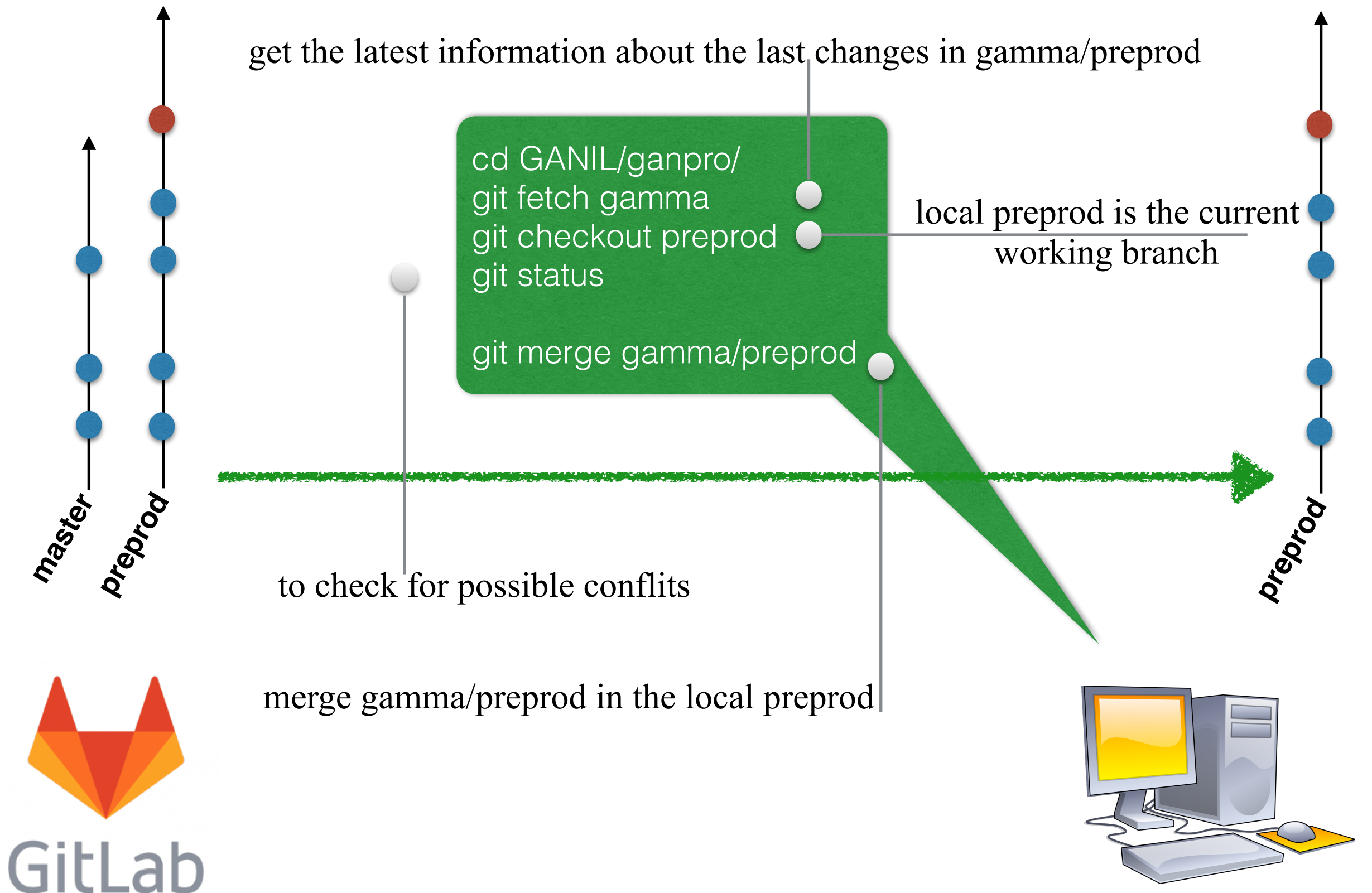


(\*) git remote -v to have a full list of known remotes

# *To synchronize your local preprod branch with gamma/preprod*

@IPNL GAMMA

LOCAL COMPUTER

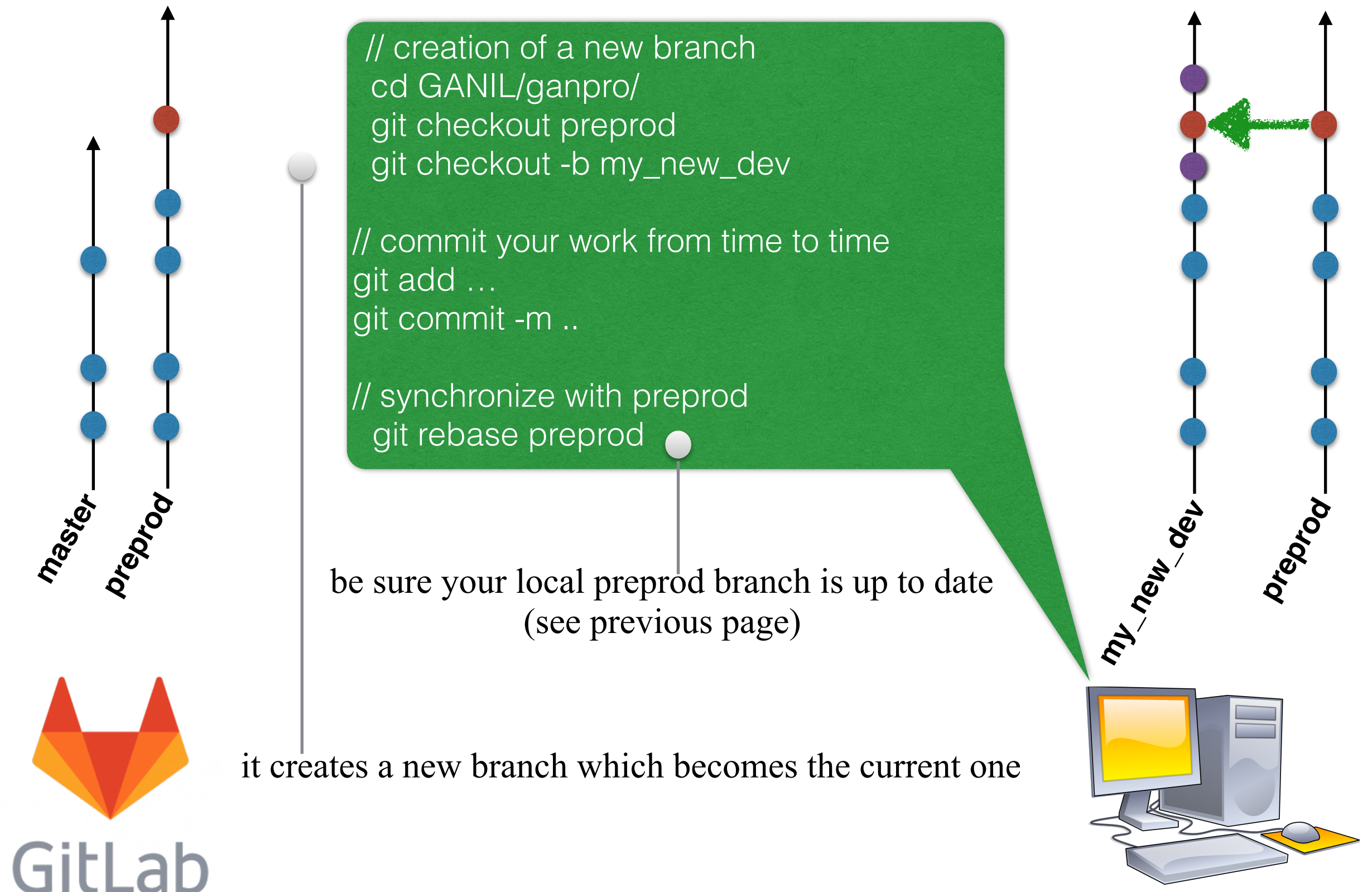




# *To create a branch to work with on my computer, add commits and to integrate other's changes (through preprod) in it*

@IPNL GAMMA

LOCAL COMPUTER

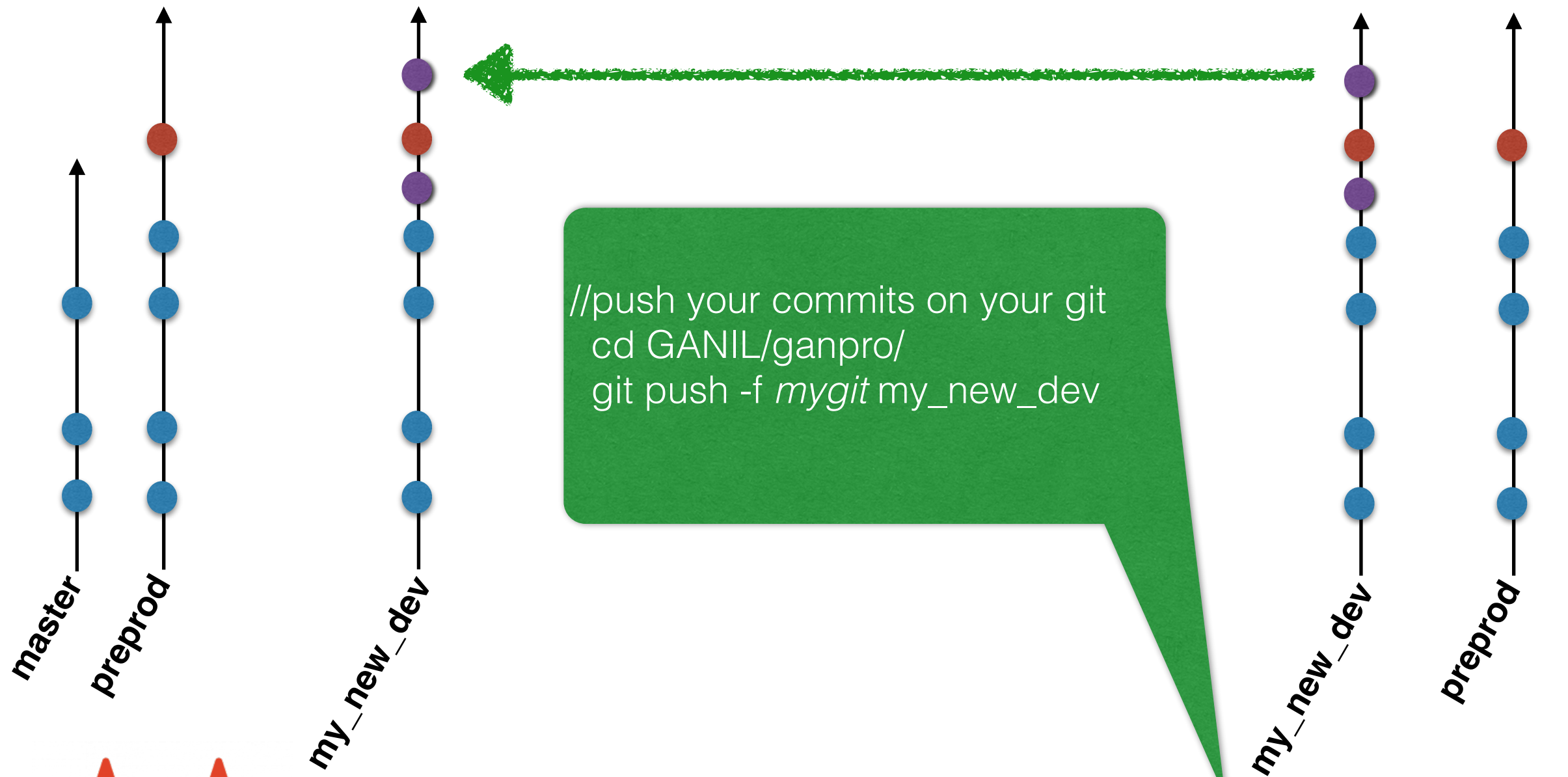


# To keep all your modifications/commits on your gitlab\*

@IPNL GAMMA

@mygit

LOCAL COMPUTER



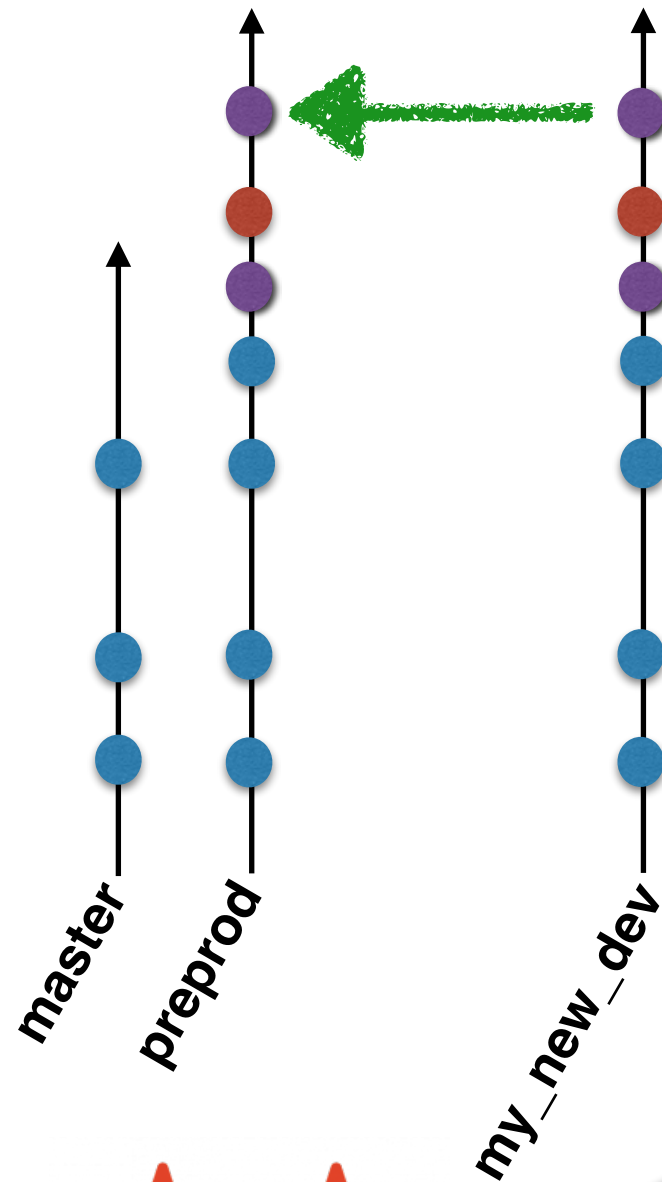
(\*) before push, be sure you have re-based your branch as often as possible to avoid conflicts



***To publish all your modifications in the gamma/IPNL gitlab***

@IPNL GAMMA

@my



Stezowski Olivier / ganpro

This project Search

ProjectActivityRepositoryPipelinesRegistryGraphsIssues0Merge Requests0Wiki

FilesCommitsNetworkCompareBranchesTags

Protected branches can be managed in [project settings](#)

Filter by branch nameNameDelete merged branchesNew branch

BetterEmulatormerged

e3a8028c · termination condition is now a parameter · a month ago

20

Merge RequestCompare

1: select the branch to be merged

masterdefault

569405e0 · Merge branch 'preprod' into 'master' · a month ago

preprodmerged

9ddd909b · Merge branch 'BetterEmulator' into 'preprod' · a month ago

10

Merge RequestCompare

Stezowski Olivier / ganpro

This project Search

ProjectActivityRepositoryPipelinesRegistryGraphsIssues0Merge Requests0Wiki

New Merge Request2: be sure to merge in gamma/preprod or change

From stezow/ganpro:BetterEmulator into IPNL\_GAMMA/ganpro:preprodChange branches

Title

WIP: Better emulator

Remove the **WIP:** prefix from the title to allow this **Work In Progress** merge request to be merged when it's ready.

Add [description templates](#) to help your contributors communicate effectively!

Description

Write

Preview

Write a comment or drag your files here...

write some comments

Styling with [Markdown](#) and [slash commands](#) are supported

Attach a file

Assignee

Assignee

3: assign to someone

Milestone

Milestone

Labels

Labels

Source branch

BetterEmulator

Target branch

preprod

Change branches

4: submit

Submit merge request

Remove source branch when merge request is accepted.

Cancel

## ***Some useful commands to work with git***

# update locally the gamma remote  
git fetch gamma

# list of locally known remotes  
git remote -v

# status without untracked files  
git status -uno

# nice log  
git log --graph --oneline --decorate

# to attach the current branch to a remote  
git branch -u gamma/preprod

# to come back to the state of the latest commit  
git reset --hard

# list all defined branches  
git branch -a