

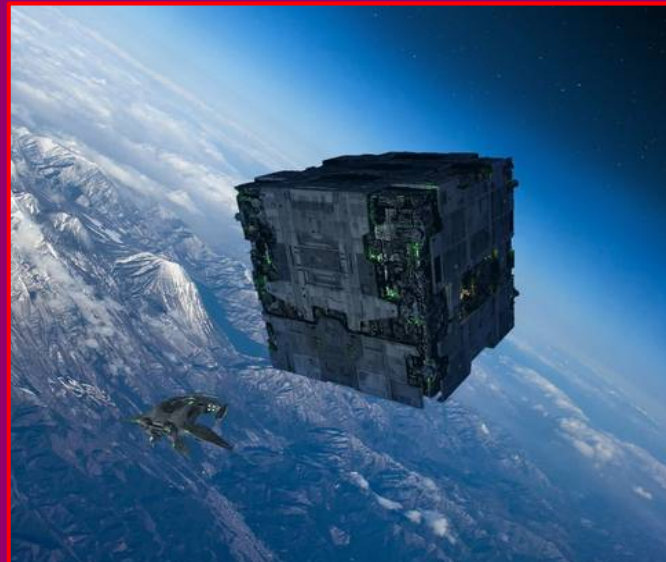


ARES

Developping with BLSS



HADES



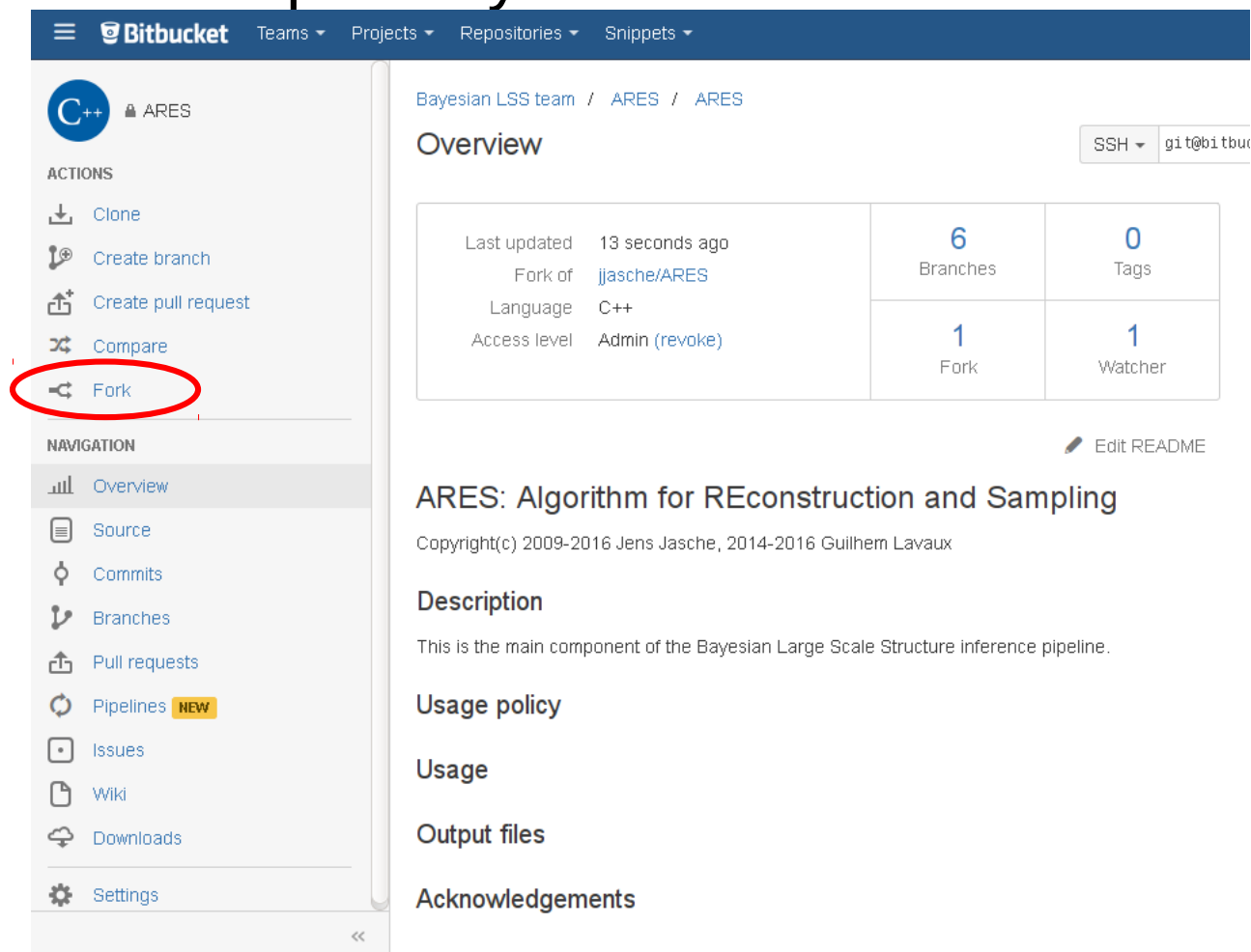
BORG

BLSS hosting

- BLSS is hosted on Bitbucket.org
- Accounts are free, unlimited with academic email accounts
- So far, Jens & I have full write access.
- Some of you has also write access but we need to change and follow classical development schemes
- So everybody except the two of us will have read only access

GIT development strategy

- Everybody should fork a repository if he/she intends to work on it.
- On bitbucket.org:



The screenshot shows the Bitbucket interface for a repository named 'ARES'. The left sidebar contains a list of actions and navigation options. The 'Fork' action is highlighted with a red circle. The main content area displays the repository overview, including the last updated time, fork of, language, and access level. A table shows the repository statistics: 6 Branches, 0 Tags, 1 Fork, and 1 Watcher. The repository description is 'ARES: Algorithm for REconstruction and Sampling'.

Bitbucket Teams Projects Repositories Snippets

Bayesian LSS team / ARES / ARES

Overview SSH git@bitbu

Last updated	13 seconds ago	6	0
Fork of	jjasche/ARES	Branches	Tags
Language	C++	1	1
Access level	Admin (revoke)	Fork	Watcher

Edit README

ARES: Algorithm for REconstruction and Sampling

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Description

This is the main component of the Bayesian Large Scale Structure inference pipeline.

Usage policy

Usage

Output files

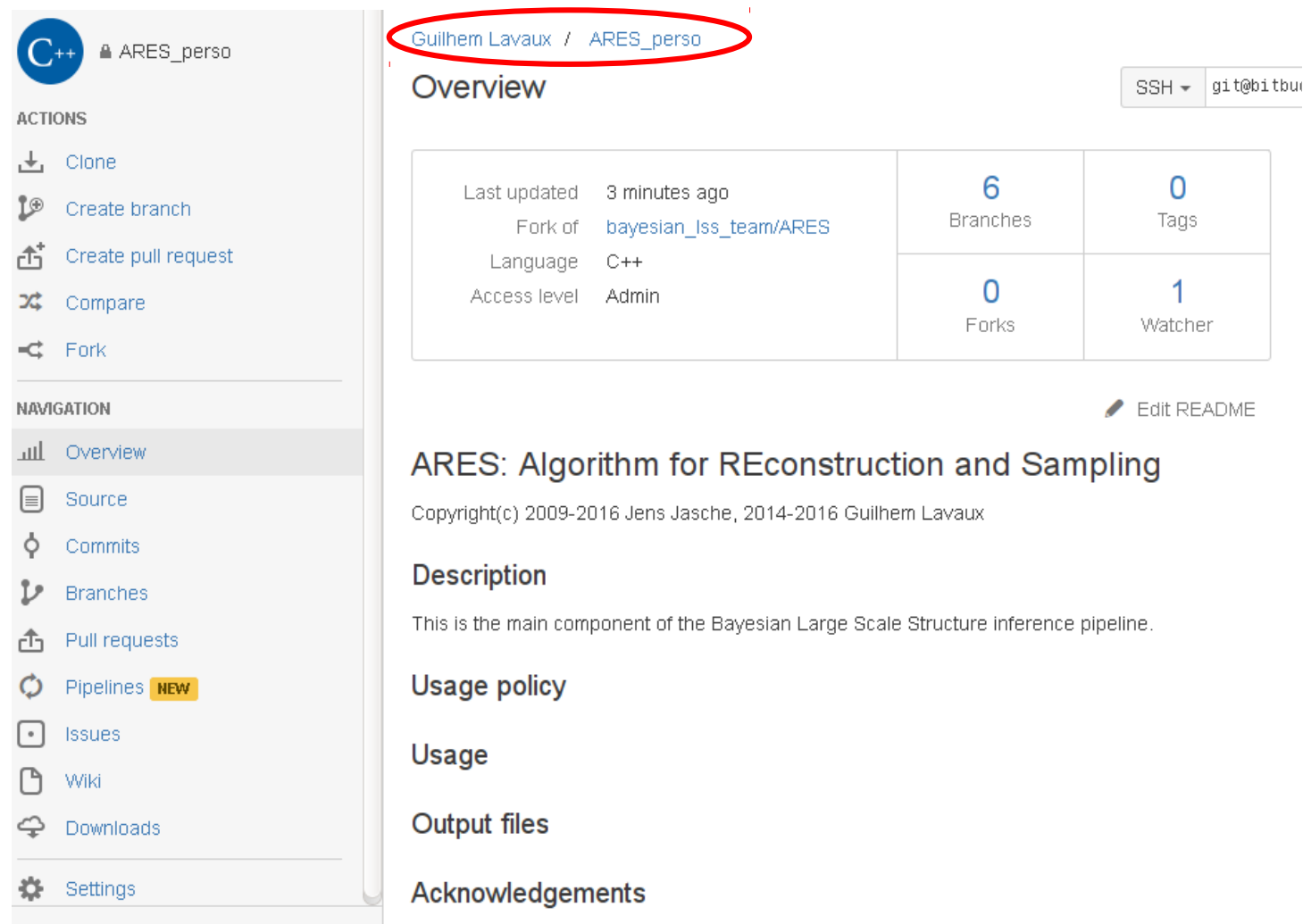
Acknowledgements

GIT development strategy

- Everybody should fork a repository if he/she intends to work on it.

- On bitbucket.org:

AFTER FORK



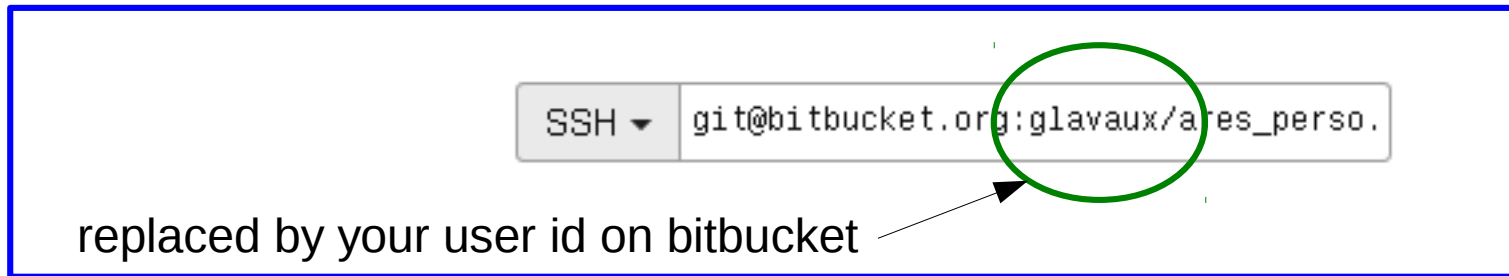
The screenshot shows the Bitbucket interface for a repository named 'ARES_perso' by user 'Guilhem Lavaux'. The repository is a fork of 'baysian_iss_team/ARES'. The 'Overview' section displays statistics: 6 Branches, 0 Tags, 0 Forks, and 1 Watcher. The repository is updated 3 minutes ago. The description states it is the main component of the Bayesian Large Scale Structure inference pipeline. The navigation sidebar on the left includes options like Clone, Create branch, Create pull request, Compare, Fork, Overview, Source, Commits, Branches, Pull requests, Pipelines, Issues, Wiki, Downloads, and Settings.

Last updated	3 minutes ago	6	0
Fork of	baysian_iss_team/ARES	Branches	Tags
Language	C++	0	1
Access level	Admin	Forks	Watcher

- Then you can clone your private version onto your computer with: git clone

Cloning locally

- To be able to work with the code on your computer you need to clone the repository that is hosted on bitbucket.org



Information available in your specific fork

```
git clone --recursive git@bitbucket.org:glavaux/ares_perso.git ares_perso
```

- Note !** The submodules have not been forked here. To replace with your own forked version of ares_fg, hades, borg, ... you have to update the submodule information.

Updating git submodule

The submodules are stored in `.gitmodules`:

```
$ cat .gitmodules
[submodule "ext/google-maps"]
  path = ext/google-maps
  url = git://git.naquadah.org/google-maps.git
```

e.g. Look for extra/hades

git url of your fork

If you edit the `url` with a text editor, you need to run the following:

```
$ git submodule sync
```

This updates `.git/config` which contains a copy of this submodule list (you could also just edit the relevant `[submodule]` section of `.git/config` manually)

There might be a way to do it with only `git` commands, although the `submodule` system seems a bit incomplete (e.g see [the instructions to remove a submodule](#))

<http://stackoverflow.com/questions/11637175/swap-git-submodule-with-own-fork>

Modification, commit, push

- ***Make a new branch before anything after cloning!***

- `git checkout -b my_sampler`

- Suppose we modify some file in ares.

- You want to commit modifications

- Go to ares tree (not in extra!)

- Commit

- `git commit -m "Some short message" the_files_you_modified`

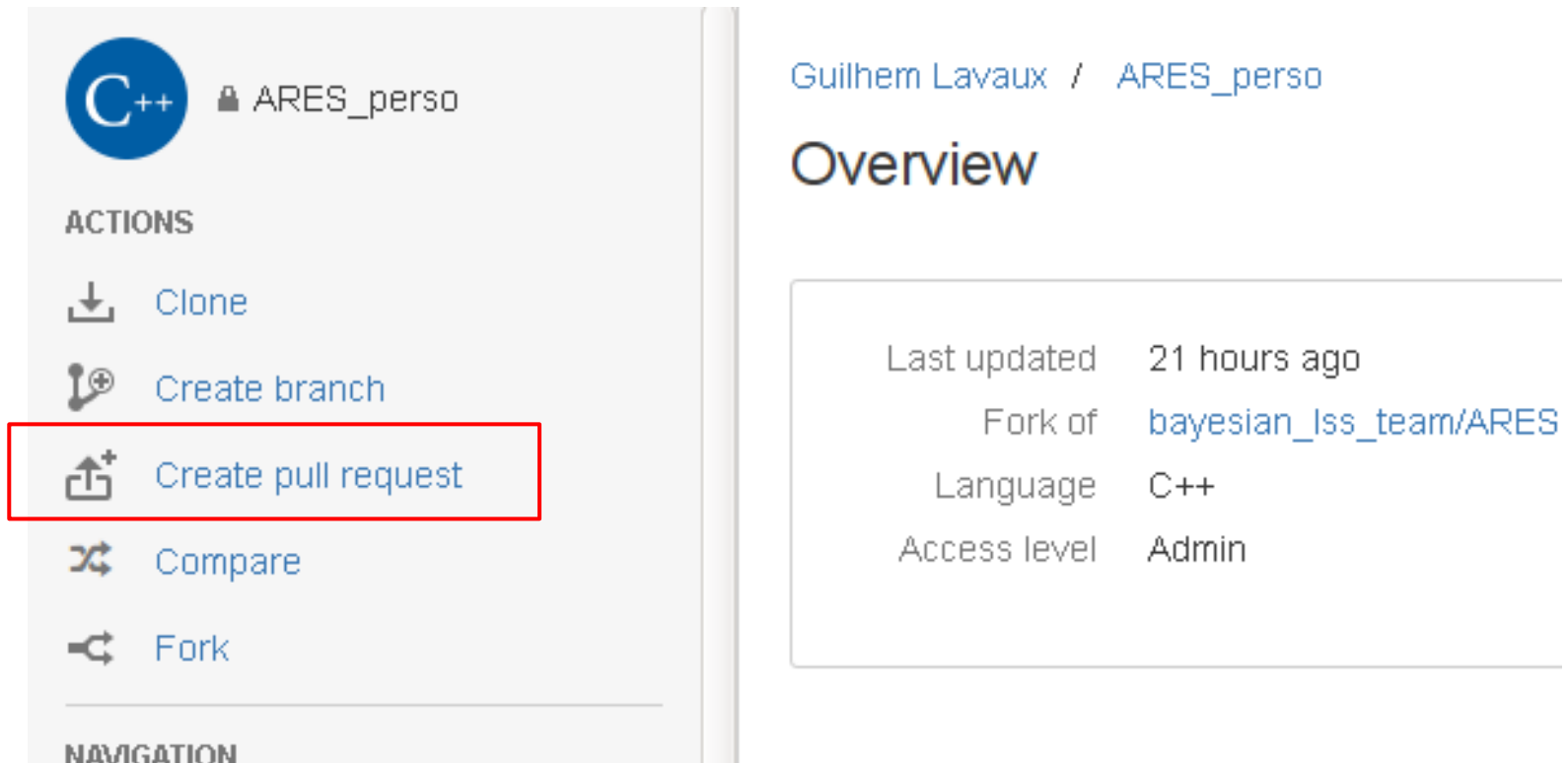
(it can be a directory also)

- `git push`

- Done!

Publishing the code to us

- Go to bitbucket.org, create a "pull request"



The screenshot shows the Bitbucket interface for a repository named 'ARES_perso' under the 'C++' language. The 'ACTIONS' menu is visible on the left, with the 'Create pull request' option highlighted by a red box. The 'Overview' section on the right provides details about the repository, including its last update time, parent repository, language, and access level.

Repository: C++ ARES_perso

ACTIONS

- Clone
- Create branch
- Create pull request**
- Compare
- Fork

NAVIGATION

Overview

Guilhem Lavaux / ARES_perso

Last updated	21 hours ago
Fork of	bayesian_iss_team/ARES
Language	C++
Access level	Admin

Publishing the code to us

Create a pull request

Your tree

glavaux / ARES_perso
Created 22 hours ago, updated 22 seconds ago

master2

Our tree

bayesian_iss_team/ares

master

Title* Added some funny policy


Description

Reviewers Start typing to search for a user

Close branch Close **master2** after the pull request is merged

Create pull request → **Finalize the pull**

The changes you propose

Author	Commit	Message	Date	Builds
 Guilhem Lavaux	3e74cdd	Added some funny policy	13 minutes ago	

Updating your local tree + branch

- Of course now the main tree has new stuff
-