

Version control

[GitHub]

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Introduction

What is GitHub?

- ▶ GitHub is a web-based Git repository hosting service (Wikipedia).
- ▶ Directed to hosts open source projects
- ▶ Social network functionality (fork/clone projects)
- ▶ Other main competitor: Bitbucket



Why publish on GitHub?

- ▶ You can easily share everything that is related to your paper
 - ▶ Text
 - ▶ Code
 - ▶ Figures/Tables
- ▶ Could serve as supplementary repository to articles
- ▶ Cooperate with others using `Git` and `GitHub`
- ▶ Timestamp your work
- ▶ Github can host static webpages (in combination with, e.g., Jekyll)
 - ▶ In fact, all these workshop materials and this website is just one repository on GitHub ERSA-WooW

How to publish on GitHub?

- ▶ You **pull** material from GitHub and you **push** material to Github
- ▶ Typical workflow:
 1. *Pull* changes from Github
 2. Work on some part
 3. Commit your changes to your *local* repository
 4. Push all changes to Github
 - ▶ Possibly solve conflicts when cooperating

With GitHub Desktop push/pull is replace by sync (initial one is publish)

Assignments: Working with GitHub and GitHub desktop

Assingment 1:

1. Open ERSA-WooW in GitHub desktop
2. Commit changes of your Markdown paper to GitHub desktop
3. Sync your Markdown paper to your GitHub account

Assignment 2:

1. Create new project folder MyPaper
2. Copy the html result of the Markdown assignment in MyPaper
3. Rename Assingment1.html in index.html
4. Initialise a Git repository in Github desktop (with Create)
5. Add and commit your paper
6. Create a new branch called gh-pages
7. And publish all to Github
8. Look at the website <http://.github.io/MyPaper>