

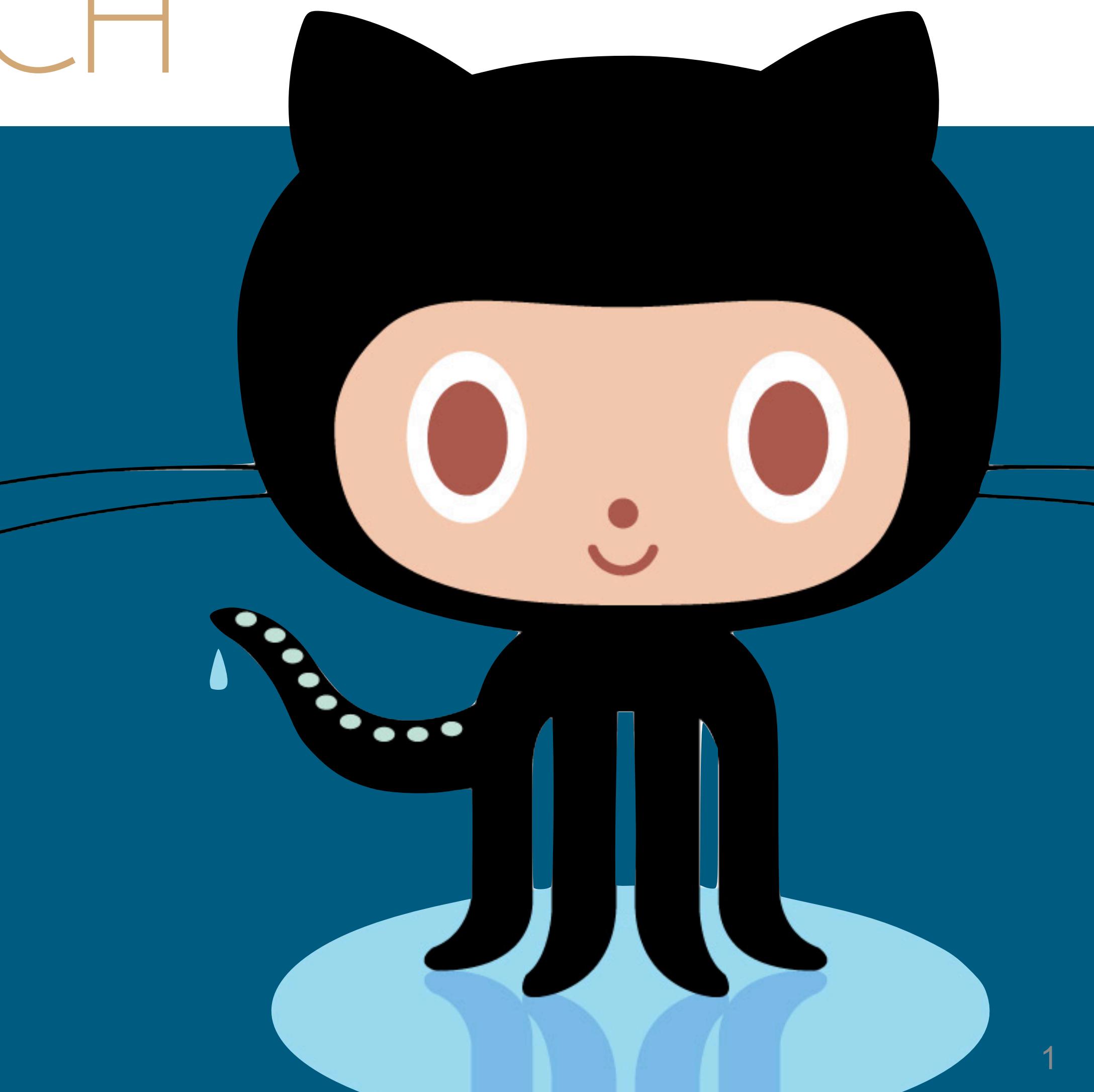
GITHUB IN RESEARCH

VERSION CONTROL,
COLLABORATION,
STORAGE

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 @guillaumelobet



ORGANISATIONS

ORGANISATIONS

This organization Search Pull requests Issues Gist

Plant-Root-Soil-... News Feed Pull Requests Issues View Plant-Root-Soil-Interactions-Modelling

schnepfa created branch [pubsAoB2017](#) at Plant-Root-Soil-Interactions-Modelling/CRootBox 11 days ago

schnepfa created branch [pubs](#) at Plant-Root-Soil-Interactions-Modelling/CRootBox 11 days ago

12 days ago DanielLeitner pushed to master at Plant-Root-Soil-Interactions-Modelling/CRootBox
  9dfc33e linear look up

12 days ago DanielLeitner pushed to master at Plant-Root-Soil-Interactions-Modelling/CRootBox
  68394b5 revised elongation scaling, implemented branching density sc...

16 days ago DanielLeitner pushed to master at Plant-Root-Soil-Interactions-Modelling/CRootBox
  b2a222a fixed doxygen comments

Repositories 2 New repository

Find a repository... All Forks Sources Private Public

 [Plant-Root-Soil-Inte.../CRootBox](#)

 [Plant-Root-Soil-Inte.../dumux-rosi](#)

MULTIPLE REPOSITORIES

The screenshot displays a web interface for managing multiple repositories. At the top, there is a header bar with a logo on the left, followed by the repository name "Plant-Root-Soil-Interactions-Modelling". Below the header is a navigation bar with tabs: "Repositories" (selected), "People 5", "Teams 0", "Projects 0", and "Settings".

Below the navigation bar are search and filter controls: "Search repositories...", "Type: All", "Language: All", "Customize pinned repositories", and a green "New" button.

The main content area shows two repository cards:

- CRootBox**: A repository updated 11 days ago, written in C++. It features a green waveform visualization.
- dumux-rosi**: A repository updated on Apr 15, written in Roff. It also features a green waveform visualization.

To the right of the repositories, there is a sidebar with sections for "Top languages" (C++ and Roff) and "People" (listing five individuals with their profile icons). There is also a "Invite someone" button.

MEMBER PRIVILEGES

Plant-Root-Soil-Interactions-Modelling

Repositories People 5 Teams 0 Projects 0 Settings

Find a member... Members Outside collaborators Invite member

Select all 1 pending invitation 2FA ▾ Role ▾

<input type="checkbox"/>	 Cheng75	2FA X	🔒 Private	Member	0 teams	
<input type="checkbox"/>	 DanielLeitner	2FA X	🔒 Private	Owner	0 teams	
<input type="checkbox"/>	 Guillaume Lobet guillaumelobet	2FA X	🔒 Private ▾	Owner	0 teams	
<input type="checkbox"/>	 HieuMaiTrung	2FA X	🔒 Private	Owner	0 teams	
<input type="checkbox"/>	 schnepfa	2FA X	🔒 Private	Owner	0 teams	

WEBSITE

SmartRoot / smartroot.github.io

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Pulse Graphs Settings

No description, website, or topics provided. Edit

Add topics

11 commits 1 branch 0 releases 1 contributor MIT

Branch: master New pull request Create new file Upload files Find file Clone or download

guillaumelobet	Added tags	Latest commit 9787181 on Feb 22
css	Change website look and feel	3 months ago
font-awesome	Change website look and feel	3 months ago
fonts	Change website look and feel	3 months ago
img	Removed unused images	3 months ago
js	Change website look and feel	3 months ago
LICENSE	Change website look and feel	3 months ago
index.html	Added tags	3 months ago

Help people interested in this repository understand your project by adding a README. Add a README

REPOSITORY

REPOSITORY

 Plant-Root-Soil-Interactions-Modelling / CRootBox

[Watch](#) 0 [Star](#) 0 [Fork](#) 0

[Code](#) [Issues 0](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Pulse](#) [Graphs](#) [Settings](#)

<https://plant-root-soil-interactions...> [Edit](#)

Add topics

127 commits 6 branches 0 releases 2 contributors

Branch: master ▾ [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#) ▾

DanielLeitner linear look up		Latest commit 9dfc33e 12 days ago
 docs	Update website	25 days ago
 examples	fixed doxygen comments	16 days ago
 modelparameter	Update parameter set for maize_postma_2011	21 days ago
 modelparameter_bu	added new parameter files	4 months ago
 results	all files added	6 months ago
 scripts	last node is now shifted	3 months ago
 .gitignore	updated .gitignore, fixed uptake in main.py	3 months ago
 DumuxRootSystem.cpp	all files added	6 months ago
 DumuxRootSystem.h	all files added	6 months ago
 ModelParameter.cpp	fixed doxygen comments	16 days ago

ONLINE EDITING

Plant-Root-Soil-Interactions-Modelling / CRootBox

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Pulse Graphs Settings

CRootBox / README.md or cancel

Edit file Preview changes Spaces 2 Soft wrap

```
1 # CRootBox
2
3 The fastest way to try CRootBox is to read the examples. Just uncomment the example in the main.cpp file to try, compile and
run it.
4
5 The code should compile with any c++11 compiler, e.g. for g++:
6 $ g++ *.cpp -std=c++11
7 $ ./a.out
8
9
10 # Folder structure
11
12 /    CRootBox C++ codes
13 /examples      Some examples how to use the CRootBox
14 /modelparameter  Some root parameter, and a plant parameter files
15 /scripts       Python scripts for visualization with Paraview, and Matlab scripts for parameter export
16 /results       Nice result images
17
18
19 # Documentation
20
21 Create the documentation by running doxygen in the folder
22 $ doxygen doxy_config
23
24 The documentation should now be located in the folder /doc
25
26 To build the shared library py_rootbox for coupling with Python pleaser refer to 'python building guide.txt'
27
28
```

BRANCHES

Plant-Root-Soil-Interactions-Modelling / CRootBox

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Pulse Graphs Settings

Overview Yours Active Stale All branches Search branches...

Default branch

master Updated 12 days ago by DanielLeitner ✓ Default Change default branch

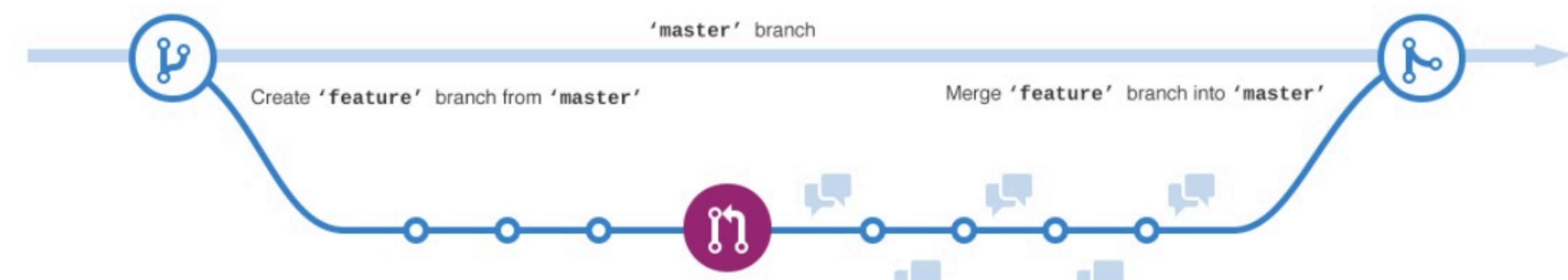
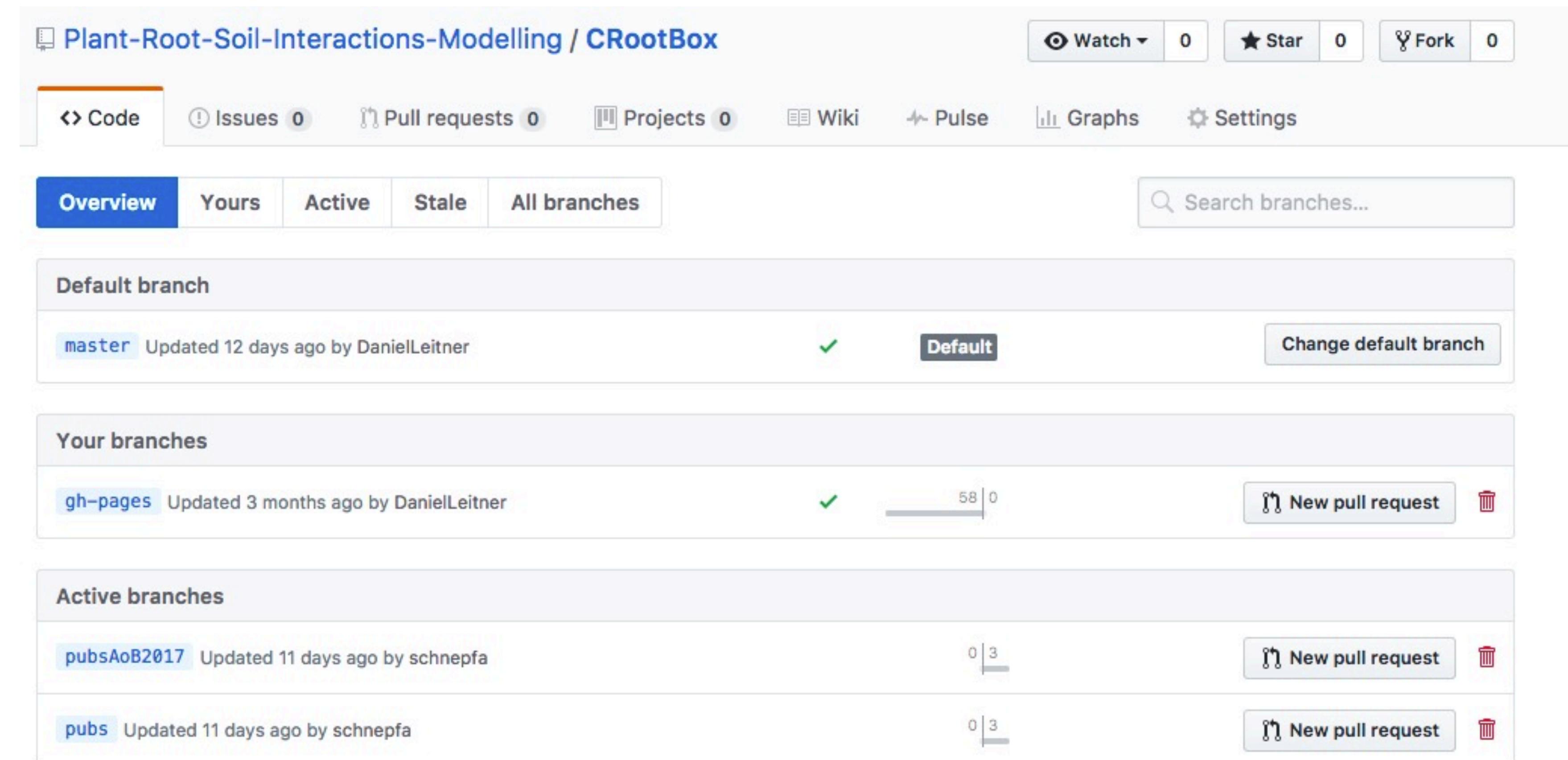
Your branches

gh-pages Updated 3 months ago by DanielLeitner ✓ 58 | 0 New pull request ⚡

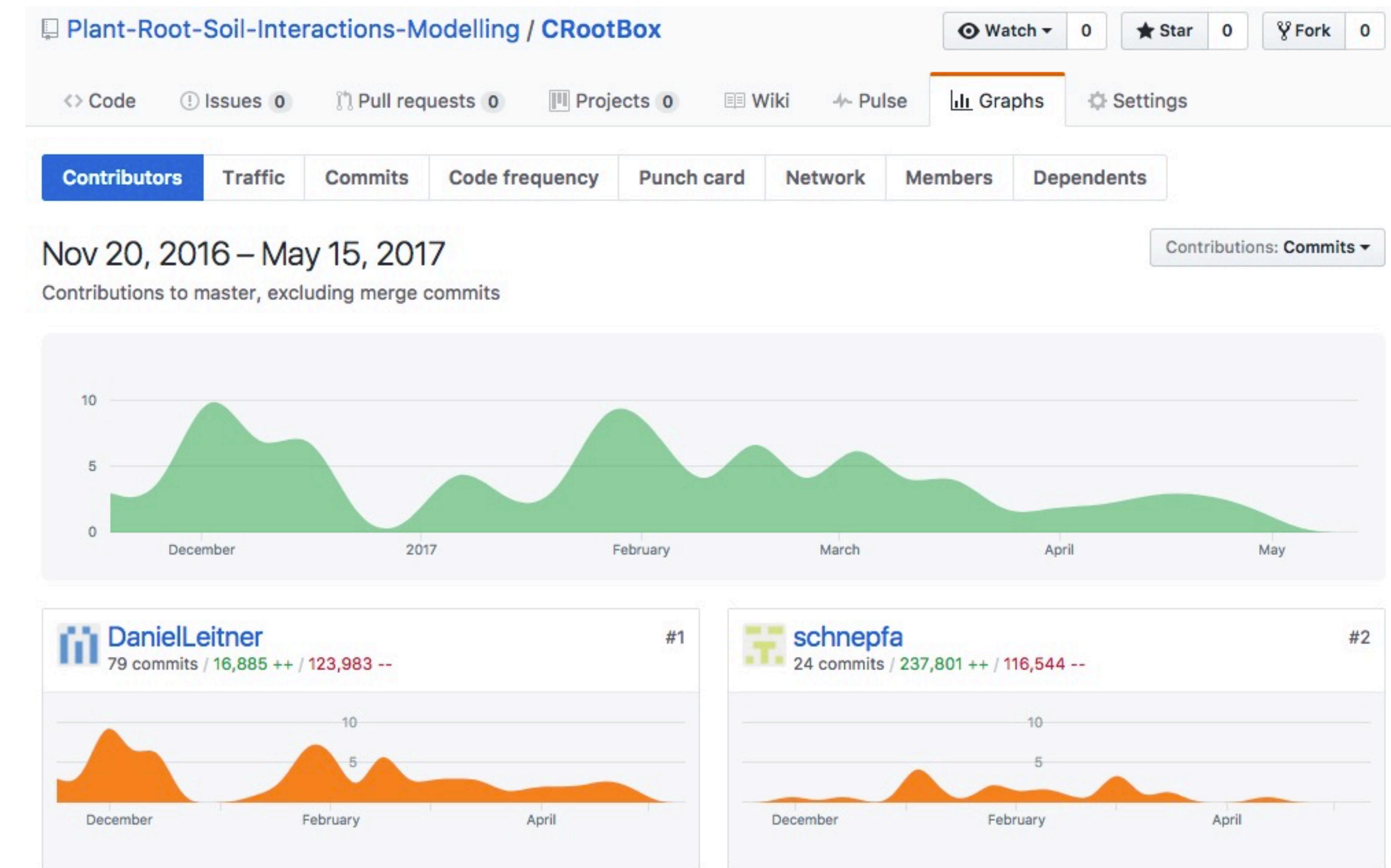
Active branches

pubsAoB2017 Updated 11 days ago by schnepfa 0 | 3 New pull request ⚡

pubs Updated 11 days ago by schnepfa 0 | 3 New pull request ⚡



CONTRIBUTIONS



RELEASES

Latest release

Release 2.0

2.0
-o 1c05af9 guillaumelobet released this on Dec 19 2016 · 2 commits to master since this release

Second release of the code, after the first round of revision. The main analysis script was divided in several small ones, for more clarity.

Downloads

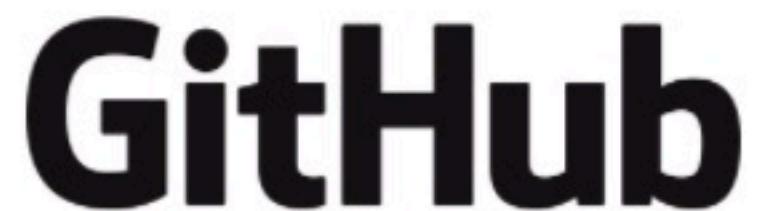
[Source code \(zip\)](#)[Source code \(tar.gz\)](#)

December 19, 2016

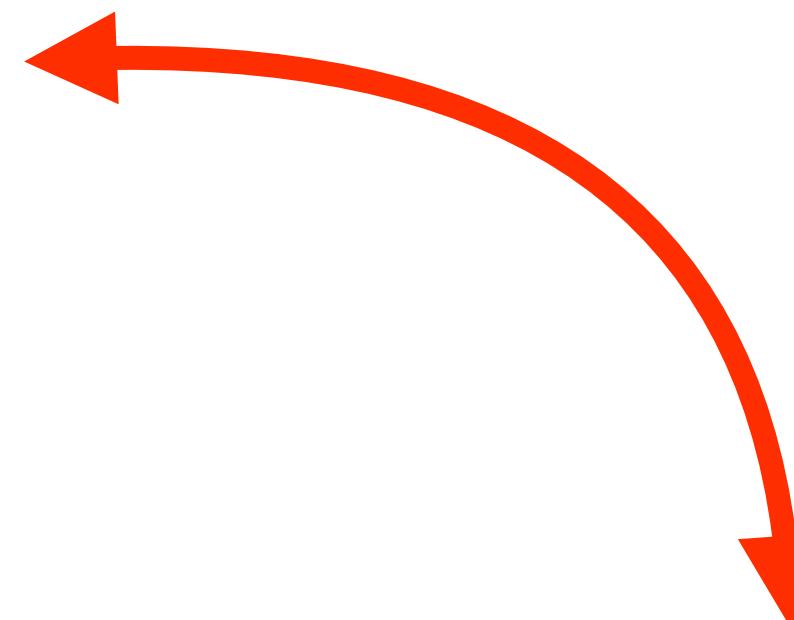
Software Open Access

 Edit

Available in



WITH DOI
ON ZENODO.ORG



guillaumelobet/Root-Image-Analysis-Pipeline-Evaluation: Release 2.0

Guillaume Lobet

Second release of the code, after the first round of revision. The main analysis script was divided in several small ones, for more clarity.

Preview		
Root-Image-Analysis-Pipeline-Evaluation-2.0.zip		
 Root-Image-Analysis-Pipeline-Evaluation-2.0.zip		
guillaumelobet-Root-Image-Analysis-Pipeline-Evaluation-1c05af9	30 Bytes	
.gitignore	95 Bytes	
00_data		
README.md	10.8 kB	
figures	10.4 kB	
PL-shape-fibrous.pdf	381.6 kB	
PL-shape-tap-rooted.pdf	562.0 kB	
error-depth.pdf	1.7 MB	
error-depth.png	1.8 MB	
error-n_laterals.pdf		
error-n_laterals.png		
error-tot_root_length.pdf	1.7 MB	

Publication date:

December 19, 2016

DOI:

[DOI 10.5281/zenodo.208499](#)

Related identifiers:

Supplement to:
<https://github.com/guillaumelobet/Root-Image-Analysis-Pipeline-Evaluation/tree/2.0>

License (for files):

 Other (Open)

ISSUES

gitpitch / gitpitch

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Code Issues 7 Pull requests 0 Projects 0 Wiki Pulse Graphs

Filters is:issue is:open Labels Milestones New issue

① 7 Open ✓ 59 Closed Author ▾ Labels ▾ Projects ▾ Milestones ▾ Assignee ▾ Sort ▾

Issue	Author	Labels	Projects	Milestones	Assignee	Sort
Latex subscripts with longer strings don't work as expected	#70 opened 12 hours ago by rpappu					1 comment
Elements overflowing slide	#66 opened 13 days ago by miguescri					15 comments
Permalinks	#59 opened 18 days ago by Y-Less					
Clicking right then pressing left on kitchen sink.	#58 opened 18 days ago by Y-Less					1 comment
Enter Full-screen using mouse, too	#57 opened 18 days ago by light2yellow					9 comments
Exporting to pdf does not preserve LaTeX font	#45 opened on Feb 20 by boileaum					2 comments
For code snippets, consider binding an event that will select all of the text within the code box	#36 opened on Jan 7 by terrywbrady					5 comments

ProTip! Exclude everything labeled bug with -label:bug.

gitpitch / gitpitch

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Code Issues 7 Pull requests 0 Projects 0 Wiki Pulse Graphs

Home

David Russell edited this page 2 days ago · 37 revisions

What is GitPitch?

Pages 55

Markdown Presentations For Everyone on GitHub, GitLab and Bitbucket

GitPitch is a service that turns [PITCHME.md](#) markdown into online and offline, interactive slideshows. You can use it to promote, pitch or present anything from designs and best practices, to code snippets and complete frameworks.

Each slideshow presentation is made instantly available online just as soon as you git-commit and push [PITCHME.md](#) on any branch within a public [GitHub](#), [GitLab](#) or [Bitbucket](#) repo.

<https://gitpitch.com/user/repo>

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- [Code Slides](#)

Is GitPitch for you?

If you ever find yourself needing to present a concept, design, library, integration,

PROJECTS

The screenshot shows a project management interface with the following structure:

- Header:** Includes links for Code, Issues (4), Pull requests (0), Projects (4), Wiki, Pulse, Graphs, and Settings.
- Project Title:** CRootBox
- Columns:** Three vertical columns representing workflow stages:
 - TODO:** 0 items
 - In progress:** 0 items
 - Done:** 3 items
 - add the rsml export (Added by guillaumelobet)
 - write the paper (Added by guillaumelobet)
 - check the devation (Added by guillaumelobet)
- Add Column:** A button labeled "+ Add column" is located on the right side of the Done column.

SYNCHING

<https://try.github.io/>

GIT VS SVN

The main point in Git vs SVN debate boils down to this:

Git is a distributed version control system (DVCS), whereas SVN is a centralized version control system. The difference between these two is that in distributed version control system, every developer has their own local copy of the full version history, whereas in centralised version control systems the version history is stored in a server-side repository.

DESKTOP SYNC

The screenshot shows the GitHub Desktop application interface. At the top, there's a header with buttons for '+' (New Repository), a square (Open Repository), a branch dropdown set to 'master', and a 'Sync' button. Below the header, a timeline shows the 'master' branch with numerous commits. A 'Compare' button is visible above the commit list.

In the center, a table lists '19 Changes'. The first change, 'main.cpp', is selected and shown in a detailed diff view. The diff highlights additions in green and deletions in red. The code snippet below shows the changes made to the main.cpp file:

```
@@ -7,21 +7,21 @@
 7   7 #include <fstream>
 8   8 #include <unistd.h>
 9   9
10  -#include "examples/example1.h"
11  -#include "examples/example1_wb.h"
12  -#include "examples/example1_wb_dgf.h"
13  -#include "examples/example2.h"
14  -#include "examples/example3.h"
15  -#include "examples/example4.h"
16  -#include "examples/example5.h"
17  +#include "examples/example.h"
18  +//#include "examples/example1_wb.h"
19  +//#include "examples/example1_wb_dgf.h"
20  +//#include "examples/example2.h"
21  +//#include "examples/example3.h"
22  +//#include "examples/example4.h"
23  +//#include "examples/example5.h"
24
25  // #include "DumuxRootSystem.h" // suggested coupling
26  // #include "examples/example_dumux.h"
27
28  @@ -37,8 +37,9 @@
29      int argc, char* argv[])
30      name= argv[1];
31  }
```

DESKTOP SYNC

The screenshot shows the GitHub desktop application interface. At the top, there are buttons for '+' (New Repository), 'master' (Branch dropdown), and 'Pull Request'. Below the header, a status bar indicates '19 Uncommitted Changes' and 'History'. On the left, a sidebar lists repositories under 'GitHub' and 'Other'. The main area displays a timeline of commits for the 'master' branch. A specific commit by 'guillaumelobet' titled 'Update parameter set for maize_postma_2011' is highlighted. The commit message is 'Update parameter set for maize_postma_2011'. The commit details show it was made 20 days ago by 'guillaumelobet' at commit hash '6bceaebe'. The commit content is a diff showing changes to 'examples/example1h'. The diff highlights added lines in green and deleted lines in red. The code snippet shows the addition of a string assignment and the removal of root system write calls.

```
@@ -16,6 +16,7 @@ void example1()
16 16
17 17     string name = "Anagallis_femina_Leitner_2010";
18 18
19 20     /*
20 21     * Open plant and root parameter from a file
21 22     */
@@ -42,18 +43,18 @@ void example1()
42 43     /*
43 44     * Export final result (as vtp)
44 45     */
45 -    rootsystem.write("www/rootsystem.vtp",RootSystem::ot_segments); // use ot_polyline for nicer visualization, ot_segments for animations
46 +    rootsystem.write("rootsystem.vtp",RootSystem::ot_segments); // use ot_polyline for nicer visualization, ot_segments for animations
47 48     /*
48 49     * Export segments in RSML format
49 50     */
50 -    rootsystem.write("www/rootsystem.rsml");
51 +    rootsystem.write("rootsystem.rsml");
52 53     /*
53 54     * Export segments for Matlab analysis
54 55     */
55 56     SegmentAnalyser analysis(rootsystem);
56 -    analysis.write("www/rootsystem.txt");
57 +    analysis.write("rootsystem.txt");
58 59     /*
59 60     * Export dgf file

```

**THANK YOU
ANY
QUESTIONS ?**

