



## Forges - dans le cadre de l'école doctorale Informatique scientifique pour le calcul

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# Etat de l'Art des Forges Logicielles

*Usages collaboratifs*

*et*

*Panorama*

## Où héberger mon code?

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# Qu'est-ce qu'une forge?

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# Qu'est-ce qu'une forge?

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Une forge ou **plate-forme d'hébergement de projets logiciels** désigne un **environnement Web** constitué d'un ensemble d'outils du travail coopératif et du génie logiciel pour le **développement collaboratif et distribué de logiciels**.

Une Forge a plusieurs facettes :

- Un **portail** communautaire
- Un outil de **gestion de projets**
- Un **environnement de développement** collaboratif
- Un **site** pour une communauté



# Contenu d'une Forge

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## Services aux projets potentiellement disponibles

- Système de **gestion de version** des sources :  
CVS / SVN / Git / Mercurial / (Darcs)
- **Trackers** : demandes de fonctionnalités, suivi des bugs, gestion des tâches
- Livraisons (fichiers, packages)
- **Intégration continue**
- Gestion des documents, **Wiki**
- Autres services aux projets
  - Forums
  - Listes de discussion
  - Sondages, news
  - Administration : gestion des membres, des services associés

# Panorama des forges

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# Panorama des forges

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## A. Services **en ligne** d'hébergement de projets

## B. Logiciels intégrés pour **déployer sa forge**

Déployer sa propre plate-forme pour gagner en indépendance moyennant un coût d'installation, de configuration, d'administration et de maintenance

# Panorama des forges

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## A. Services **en ligne** d'hébergement de projets

- [GitHub](#) (propriétaire, réseau social, compte gratuit pour projet de logiciel libre, dépôts privés payants, intégration continue externe (Travis CI, Appveyor), code review, pull request, rendu des notebooks Jupyter)
- [GitLab.com](#) Enterprise Edition (propriétaire, nombre illimitée de dépôts et collaborateurs, gratuit pour dépôts privés et publics, Git LFS, intégration continue intégrée, code review, pull request)
- [Bitbucket](#) (propriétaire, gratuit jusqu'à 5 utilisateurs, Git LFS, pas d'intégration continue, code review, pull request, pas de recherche en ligne sur le code)
- [Framagit](#) (Framasoft, instance libre de GitLab)
- [Pikacode](#) (instance de Gogs, gratuit pour dépôts publics et privés, en France (serveur hébergé par OVH)!)

# Panorama des forges

## B. Logiciels intégrés pour **déployer sa forge**

- Uniquement Git :
  - [GitLab](#) Community Edition (alternative open source à GitHub, intégration continue, Git LFS, LDAP)
  - [Gogs](#) (Go Git Service, alternative légère à GitHub (pas de code review / intégration continue), moindre besoin de ressources, facile à installer, rapide) [Demo site](#). Fork plus dynamique : Gitea.
- Multi-logiciel de versionning :
  - [FusionForge](#) (Git, Hg, SVN, reprise du code sous GPL de Gforge, descendant de SourceForge)
  - [Phabricator](#) (Git, Hg, SVN, collection d'applications web open source, intégration continue)
  - [Redmine](#) (gestion de projet complète, pas de gestion des tests intégrée, interfaçable à Jenkins)
  - [Tuleap](#) (libre, Git, SVN, outils agiles (Kanban, Scrum), revue de code (Gerrit), intégration continue (interfaçable à Jenkins et Hudson))
  - [Bitbucket server](#) (commercial)
  - [Rhodecode](#) Community / Enterprise Edition (open-source/propriétaire, Git, Hg, SVN, fork, pull request, code review, LFS, interfaçage serveur intégration continue, ni wiki ni bug tracker intégré, rendu des notebooks Jupyter)
  - [Kallithea](#) (libre, Git et Hg, version 0.3.2 en mai 2016, issu du logiciel RhodeCode payant, pull request, code review, pas de bug tracker intégré)

# Quelques comparaisons

## Public Git hosting sites

Here are some places that provide free Git hosting. Check on [GitServer](#) if you want to host your own repository.

List is limited to sites that provide explicit Git hosting, not including generic hosting sites that can be used to host Git repositories.

Provider	Framework is open-source?	Support for other SCM	Open-source repositories	Space (GB)	Free private repositories
<a href="#">Assembla</a>	No	SVN/Hg/P4	Yes	0.15	1 project, 3 users
<a href="#">Beanstalk</a>	No	SVN	No	0.1	1 projects, 1 user
<a href="#">bitbucket.org</a>	No	Mercurial	Yes	Unlimited	Unlimited projects, 5 collaborators
<a href="#">Codetidy</a>	No	No	No	0.1	5 repositories, 5 collaborators
<a href="#">Codebase</a>	No	Mercurial/SVN	Public access available	0.05	1 project (unlimited repos), 2 collaborators
<a href="#">CloudForge</a>	No	CVS/SVN	Yes	0.2	1 user only
<a href="#">Deveo</a>	No	Mercurial/SVN	No	Unlimited	Unlimited projects, 6 collaborators
<a href="#">GitEnterprise</a>	No	No	No	1	Unlimited projects, 10 collaborators
<a href="#">GitHub</a>	No	SVN	Yes	Unlimited	No
<a href="#">GitLab.com</a>	Yes	No	Yes	Unlimited	Unlimited projects, unlimited collaborators
<a href="#">Pikacode</a>	No	Mercurial	Yes	1	No
<a href="#">ProjectLocker</a>	No	SVN	Read-only http	0.2	1 project, 2 collaborators
<a href="#">repo.or.cz</a>	Yes	No	Yes	0.4	No
<a href="#">RocketGit</a>	Yes	No	Yes	Unlimited	Unlimited
<a href="#">SourceForge.net</a>	Yes	Hg, SVN	Yes	Unlimited	No
<a href="#">Unfuddle</a>	No	SVN	Yes	0.2	1 project, 2 collaborators
<a href="#">Visual Studio Online</a>	No	TFVC	No	Unlimited	Unlimited, 5 users

# Quelques comparaisons

Name	Code review	Bug tracking	Web hosting	Wiki	Translation system	Shell server	Mailing List	Forum	Personal branch	Private branch	Announce	Build system	Team	Release Binaries	Self-hosting
Alioth	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Unknown	Yes
Assembla	Yes <sup>[21]</sup>	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes <sup>[22]</sup>	Yes	Yes	Yes	Unknown	No
Bitbucket	Yes <sup>[23]</sup>	Yes <sup>[n 1]</sup>	Yes <sup>[24]</sup>	Yes	No	No	No	No	Yes	Yes <sup>[n 2]</sup>	No	No	Yes	No <sup>[25]</sup>	Commercially (Stash) <sup>[n 3]</sup>
Buddy	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes <sup>[n 4]</sup>	Yes	Yes	Yes
CloudForge	Unknown	Yes	Yes	Yes	No	No	No	No	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	No
CodePlex	No	Yes	No	Yes	No	No	Yes	Yes	No	No	No	No	No	Yes	No
GitHub	Yes <sup>[26]</sup>	Yes <sup>[27][n 5]</sup>	Yes	Yes	No	No	No	No	Yes	Yes <sup>[n 6]</sup>	Yes	3rd-party (e.g. Travis CI, Appveyor and others) <sup>[28]</sup>	Yes	Yes	Commercially (GitHub Enterprise)
GitLab	Yes <sup>[29]</sup>	Yes	Yes <sup>[30]</sup>	Yes	No	No	No	No	Yes	Yes	Yes	Yes <sup>[31]</sup>	Yes	No	Yes <sup>[n 7]</sup>
GNU Savannah	Yes <sup>[32]</sup>	Yes	Yes	No	No	Yes	Yes	No <sup>[33]</sup>	No	No	Yes	No	Yes	Unknown	Yes
java.net/Project Kenai	Unknown	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	No
Kallithea	Yes	No	Yes	No	No	Unknown	No	No	Yes	Yes	No	No	Yes	Yes	Yes
Launchpad	Yes	Yes	No	No	Yes	No	Yes	No	Yes	Yes <sup>[n 8]</sup>	Yes	Yes <sup>[n 9]</sup>	Yes	Unknown	Yes
OSDN	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
Ourproject.org	Unknown	Yes	Yes	Yes	No	Unknown	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Yes
SourceForge	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes <sup>[n 10]</sup>	Yes	No	Yes	Yes	Yes
tigris.org	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Unknown	No longer for new projects <sup>[n 11]</sup>	No
Team Foundation Server	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Visual Studio Team Services	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Name	Code review	Bug tracking	Web hosting	Wiki	Translation system	Shell server	Mailing List	Forum	Personal branch	Private branch	Announce	Build system	Team	Release Binaries	Self-hosting

[https://en.wikipedia.org/wiki/Comparison\\_of\\_source\\_code\\_hosting\\_facilities](https://en.wikipedia.org/wiki/Comparison_of_source_code_hosting_facilities)

# Quelques comparaisons

## Comparaison de services d'hébergement Git en version gratuite

Github	Bitbucket	GitLab
✓ très gros projet (138+ millions dépôts, 600 employés)	✓ très gros projet	✓ projet pérenne et dynamique (132 employés, 33 pays)
✓ Grande interopérabilité avec d'autres outils	✓ Git & Mercurial	✓ pas de limite dans la version hébergée
✗ dépôts publics uniquement	✗ 5 utilisateurs max/dépôt	✗ des lenteurs sur le site gitlab.com
✗ pas d'instance privée	✗ pas d'instance privée	✓ instance privée opensource
		✓ outils d'intégration continue natifs

(de Matthieu Boileau, nov. 2016, d'après <http://comparegithosting.com>)



# Quelques comparaisons

Github	GitLab	Gogs
✓ Git, SVN, Hg, TFS	✗ Git	✗ Git
✗ externe	✓ interne/externe	✗ interne (light)
✓ très large communauté	✓ très utilisé	✓ relativement nouveau
✓ prise en main intuitive	✓ prise en main relativement rapide	✓ sur le modèle de Github
prog. en Ruby	prog. en Ruby	prog. en Go
	✓ extensions (Continuous Integration, Large File Storage, ...)	

⇒ Combiner éventuellement suivant le mode de diffusion choisi

[http://lyoncalcul.univ-lyon1.fr/ed/DOCS\\_2016-2017/cours\\_GIT.pdf](http://lyoncalcul.univ-lyon1.fr/ed/DOCS_2016-2017/cours_GIT.pdf) - Anne Cadiou – mars 2017

# Quelques comparaisons

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<https://www.slant.co/topics/5335/~alternatives-to-github-for-open-source-projects>

<https://www.slant.co/topics/1440/~self-hosted-web-based-git-repository-managers>

<https://www.slant.co/topics/503/~best-source-code-hosts-for-open-source-projects>

<https://www.slant.co/topics/153/~best-hosted-version-control-services>

# Exemples de forges

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# Exemples de forges

- **GitHub** <https://github.com/SimonRit/RTK/>

- **GitLab**

<https://gitlab.in2p3.fr/explore/projects> (enseignement supérieur et recherche)

<https://gitlab.inria.fr/explore/projects> (INRIA)

<https://forge.p2chpd.univ-lyon1.fr/explore/projects>

<https://gricad-gitlab.univ-grenoble-alpes.fr/>

<https://forge.git.cnrs.fr/> (CNRS), uniquement pour projets impliquant DSI ou DR)

<http://adullact.net/> (forge open source pour administrations et collectivités françaises)

- **FusionForge**

<https://sourcesup.renater.fr/> (enseignement supérieur et recherche - [documentation](#))

Faible de sécurité : tout dépôt Git même privé est accessible par tout utilisateur authentifié sur sourcesup.renater.fr qui connaît le nom du projet !

<https://gforge.inria.fr/> (INRIA)

- **Redmine**

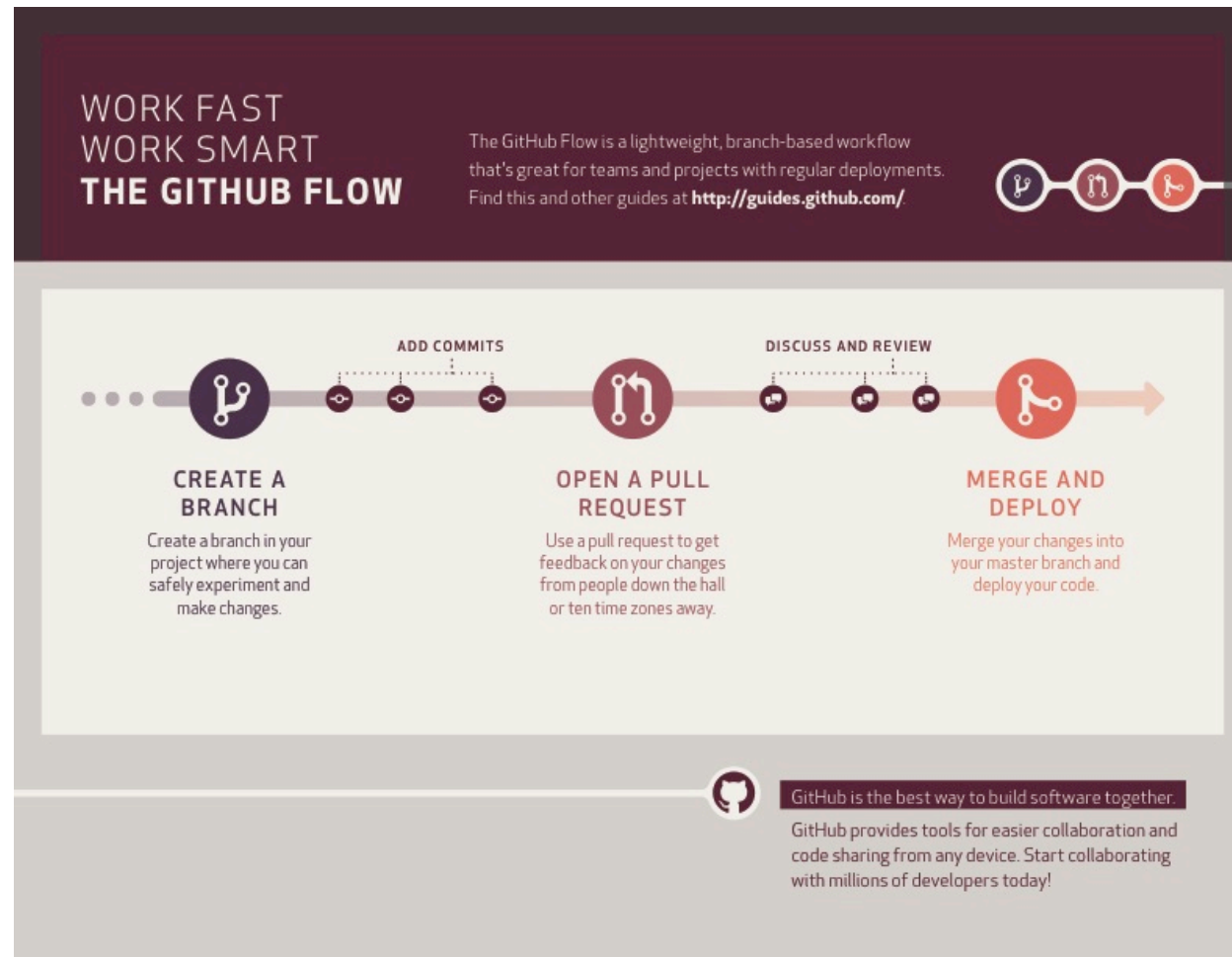
<http://vip.creatis.insa-lyon.fr:9002/projects>

<https://forge.in2p3.fr/>

- **Rhodecode** <https://hephaistos.lpp.polytechnique.fr/rhodecode>

# Exemples de forges

## Exemple de workflow sur GitHub



<https://guides.github.com/introduction/flow/>

# Exemples de forges

## Exemple : Projet RTK hébergé sur GitHub

The screenshot displays the GitHub interface for the repository **SimonRit / RTK**. At the top, there's a search bar and navigation links for Pull requests, Issues, and Gist. Below the repository name, statistics show 29 watchers, 54 stars, and 36 forks. Navigation tabs include Code, Issues (2), Pull requests (1), Projects (0), Wiki, Pulse, and Graphs.

The repository is titled "Reconstruction Toolkit". A summary bar indicates 3,832 commits, 3 branches, 7 releases, 21 contributors, and Apache-2.0 license. Action buttons include "Branch: master", "New pull request", "Create new file", "Upload files", "Find file", and "Clone or download".

A list of recent commits is shown, with the latest commit by Simon Rit titled "Fix initialization of new scale and origin parameters" made 9 hours ago. The list includes folders like applications, cmake, code, documentation, examples, testing, and utilities, as well as files like .travis.yml and CMakeLists.txt.

Commit	Description	Time ago
Simon Rit	Fix initialization of new scale and origin parameters	9 hours ago
	Fix mandory options for rtkdrawgeometricphantom	15 hours ago
	COMP: Conform header include guard names to ITK style	3 months ago
	Fix initialization of new scale and origin parameters	9 hours ago
	Remove CMake-language block-end command arguments	4 months ago
	Convert CMake-language commands to lower case	4 months ago
	Fixed bug in rtkdecomposedualenergyprojections. Increased precision	11 days ago
	COMP: Fixing compilation of SimpleRTK with BUILD_SHARED_LIBS enabled	15 days ago
	Do not run any test on travis if compiled with CUDA, only CUDA	6 months ago
	Release v1.3	2 months ago

<https://github.com/SimonRit/RTK>

# Exemples de forges

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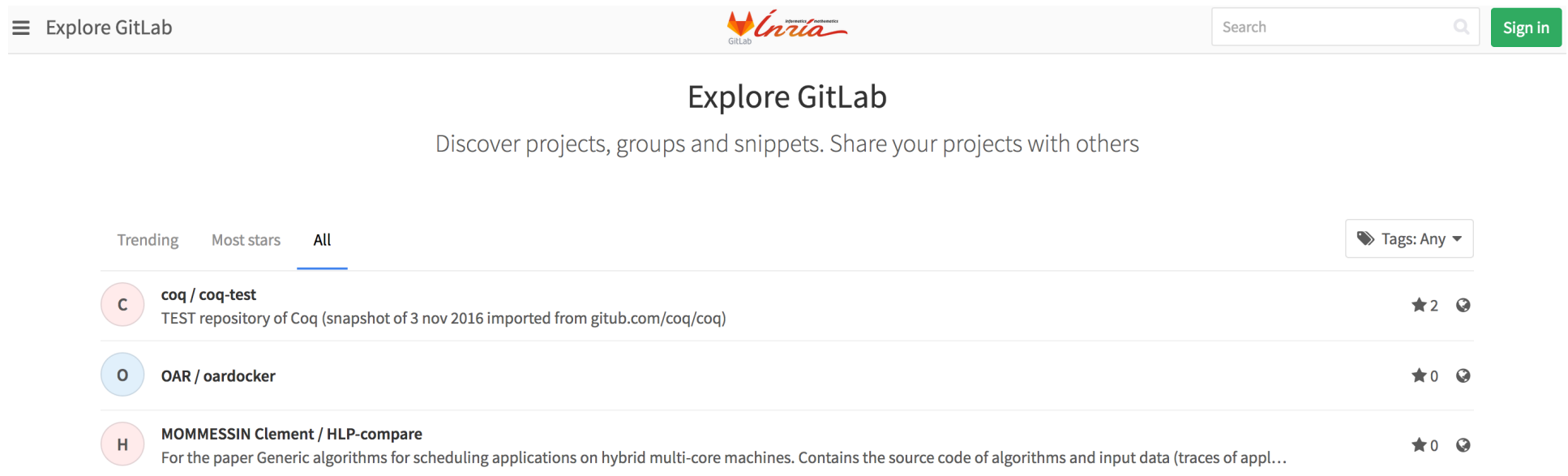
## Les fonctionnalités de GitLab

- Création rapide de projets avec gestion des droits (public, privé,...)
- Groupes de projets
- Historique des commits
- Edition en ligne
- Outils annexes :
  - statistiques
  - wiki
  - gestionnaire de tickets
  - notifications par mail
- Intégration continue avec `gitlab-ci`







[http://lyoncalcul.univ-lyon1.fr/ed/DOCS\\_2016-2017/cours\\_GIT.pdf](http://lyoncalcul.univ-lyon1.fr/ed/DOCS_2016-2017/cours_GIT.pdf) - Anne Cadiou – mars 2017

# Exemples de forges

## Exemple : GitLab INRIA



The screenshot shows the 'Explore GitLab' interface for INRIA. At the top, there is a navigation bar with a hamburger menu, the text 'Explore GitLab', the GitLab and INRIA logos, a search bar, and a 'Sign in' button. Below the navigation bar, the heading 'Explore GitLab' is centered, followed by the subtitle 'Discover projects, groups and snippets. Share your projects with others'. A filter bar shows 'Trending', 'Most stars', and 'All' (selected), along with a 'Tags: Any' dropdown. The main content area displays a list of three projects:

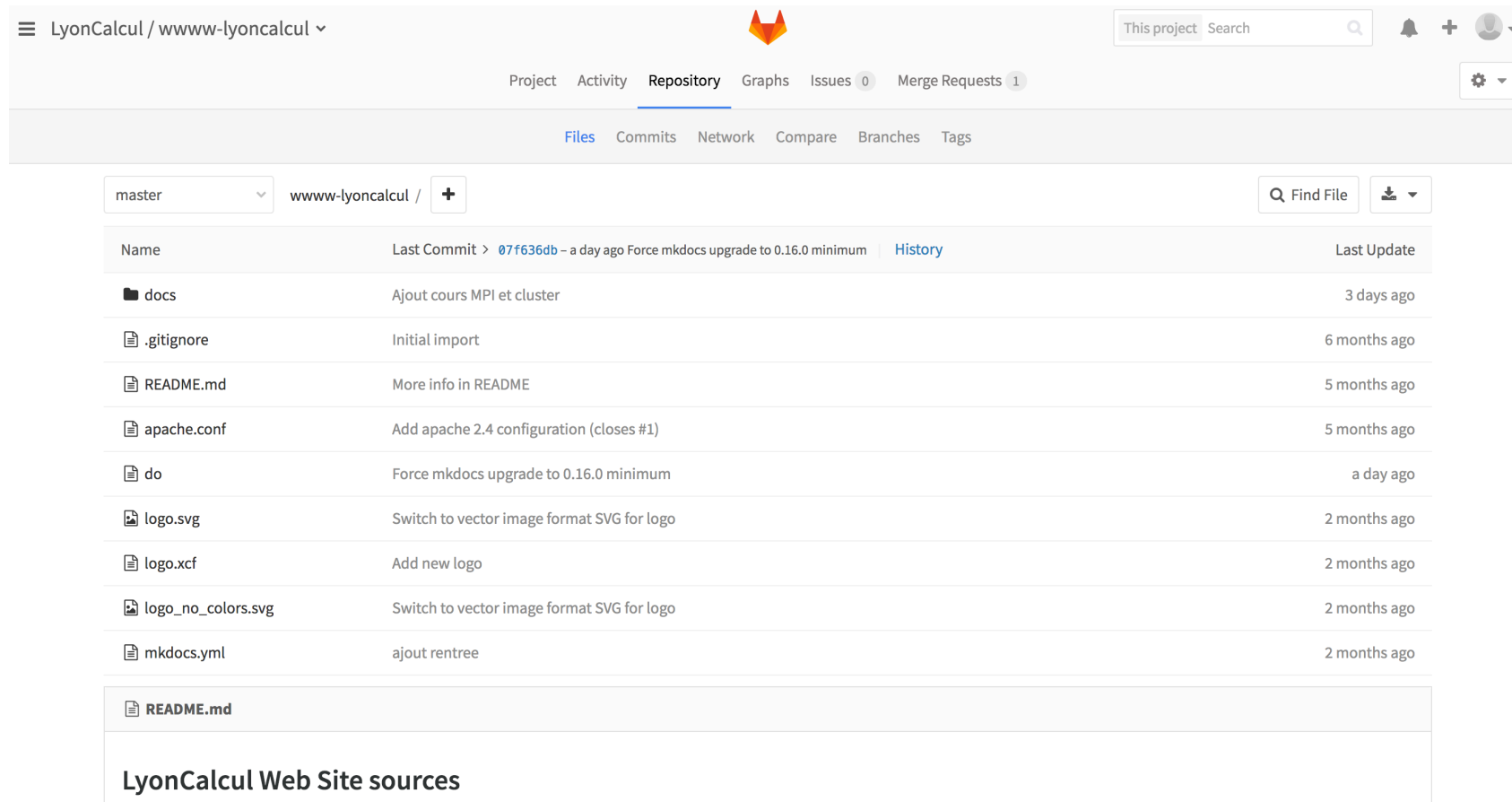
Project	Description	Stars	Actions
 <b>coq / coq-test</b>	TEST repository of Coq (snapshot of 3 nov 2016 imported from <a href="https://github.com/coq/coq">github.com/coq/coq</a> )	★ 2	
 <b>OAR / oardocker</b>		★ 0	
 <b>MOMMESSIN Clement / HLP-compare</b>	For the paper Generic algorithms for scheduling applications on hybrid multi-core machines. Contains the source code of algorithms and input data (traces of appl...)	★ 0	

<https://gitlab.inria.fr/explore/projects/>



# Exemples de forges

## Exemple : GitLab Mésocentre Lyon – Projet Lyon Calcul



The screenshot displays the GitLab web interface for the repository `LyonCalcul/www-lyoncalcul`. The top navigation bar includes tabs for Project, Activity, Repository (selected), Graphs, Issues (0), and Merge Requests (1). Below the navigation bar, there are links for Files, Commits, Network, Compare, Branches, and Tags. The main content area shows the repository structure with a file list and commit history.

Name	Last Commit > <a href="#">07f636db</a> – a day ago Force mkdocs upgrade to 0.16.0 minimum   <a href="#">History</a>	Last Update
docs	Ajout cours MPI et cluster	3 days ago
.gitignore	Initial import	6 months ago
README.md	More info in README	5 months ago
apache.conf	Add apache 2.4 configuration (closes #1)	5 months ago
do	Force mkdocs upgrade to 0.16.0 minimum	a day ago
logo.svg	Switch to vector image format SVG for logo	2 months ago
logo.xcf	Add new logo	2 months ago
logo_no_colors.svg	Switch to vector image format SVG for logo	2 months ago
mkdocs.yml	ajout rentree	2 months ago

Below the file list, there is a section for the `README.md` file, which contains the text: **LyonCalcul Web Site sources**.

<https://forge.p2chpd.univ-lyon1.fr/LyonCalcul/www-lyoncalcul/tree/master>

# Exemples de forges

## Exemple : GitLab GRICAD – Université Grenoble Alpes

### ZOOM SUR... LA FORGE GITLAB

Une nouvelle plate-forme de « travail collaboratif », [gricad-gitlab.univ-grenoble-alpes.fr](https://gricad-gitlab.univ-grenoble-alpes.fr) est ouverte depuis cet été. Elle est destinée à l'ensemble de la communauté enseignement supérieur et recherche à Grenoble.

Il s'agit d'un outil équivalent à [github.com](https://github.com), [gitlab.com](https://gitlab.com) ou autres mais avec un hébergement des projets (et des données) local, sur des serveurs académiques (s'appuyant notamment sur les outils proposés par Winter et Summer). Le service est hébergé et administré par l'UMS GRICAD.

L'accès et la création de comptes se font via l'identifiant agalan.

La plate-forme est également ouverte aux « extérieurs » (i.e. non ESR Grenoble) qui pourront participer aux projets sans toutefois pouvoir en créer.

Vous trouverez plus d'informations ici : <https://docs.gricad-pages.univ-grenoble-alpes.fr/help/>, avec notamment quelques règles de fonctionnement et une doc d'utilisation.

Pour toute question, demande d'aide, retour d'utilisation etc, n'hésitez pas à utiliser la liste de diffusion, [gricad-gitlab-help@univ-grenoble-alpes.fr](mailto:gricad-gitlab-help@univ-grenoble-alpes.fr).



<https://gricad.univ-grenoble-alpes.fr/thematiques/forge>

<https://gricad-gitlab.univ-grenoble-alpes.fr/>

# Exemples de forges

## Exemple : GitLab – Merge request


The screenshot shows a web browser window displaying a GitLab Merge Request. The URL bar shows 'gitlab.com'. The page title is 'GitLab.com / www-gitlab-com'. The navigation bar includes links for Project, Activity, Code, Pipelines, Graphs, Issues (114), and Merge Requests (85). The Merge Request is titled 'WIP: Release 8.9' and was opened 26 days ago by Robert Speicher. It is a request to merge the 'release-8-9' branch into the 'master' branch, which is 660 commits behind. A status bar indicates 'CI build running for 44ed9f94'. A message states: 'This merge request is currently a Work In Progress. When this merge request is ready, remove the WIP: prefix from the title to allow it to be merged.' The discussion section shows two comments: one from Robert Speicher mentioning an issue, and another from Marin Jankovski changing settings. The right sidebar contains a 'Todo' section with an assignee 'Job van der Voort', a 'Milestone' set to 'None', and 'Labels' 'blog post' and 'release'. It also shows '90 participants' and a 'Notifications' section with an 'Unsubscribe' button.

<https://about.gitlab.com/features/>


# Exemples de forges

## Exemple : GitLab – Résolution de conflit de merge

GitLab.org / GitLab Community Edition




This project Search

18 + 

Project Activity Repository Pipelines Graphs Issues 5,224 Merge Requests 397 Snippets

⚙️

Open Merge Request !1234 opened 56 minutes ago by  Eliza Burr

### Touch project when toggling stars to update cache

This is a fix for gitlab-org/gitlab-ce#3513.

Showing 3 conflicts for `stand:fix-gitlab-workhorse-initd-check` into `master`

Inline Side-by-side

app/models/application\_setting.rb

Edit View file @500f5ad

...	...	@@ -30,6 +30,8 @@	
30	30	#	
31	31		
32	32	class ApplicationSetting < ActiveRecord::Base	
		HEAD//our changes	Use ours
33		CACHE_KEY = 'application_setting.last'	
34		CACHE_KEY = 'application_settings.last'	
	33	CACHE_KEY = 'applications_setting.last'	
	34	CACHE_KEY = 'applications_setting.last'	
		origin//their changes	Use theirs
35	35	serialize :restricted_visibility_levels	
36	36	serialize :import_sources	
37	37	serialize :restricted_signup_domains, Array	
...	...	@@ -703,6 +703,7 @@ class User < ActiveRecord::Base	
700	700	else	
701	701	UsersStartProject.create!(project: project, user: self)	
702	702	end	
		HEAD//our changes	Use ours
703		project.touch #update project cache	

# Exemples de forges

## Exemple : GitLab – Gestion des tâches / bugs (« Issues »)

The screenshot shows the GitLab interface for the 'GitLab.org / GitLab Community Edition' project. The top navigation bar includes links for Project, Activity, Repository, Pipelines, Graphs, Issues (5,224), Merge Requests (399), and Snippets. The 'Issues' section is active, showing a list of open issues. The issues are filtered by 'Open' status, with 5,157 open, 9,331 closed, and 14,488 total issues. The list of issues includes titles, IDs, creation times, authors, and labels. The issues are:

- Make hover/focus/active states consistent for dropdowns** (#24150) - opened 14 minutes ago by Chris Peressini - 8.14 UX - updated 12 minutes ago
- Better hover/focus states for navigation bar buttons** (#24149) - opened 20 minutes ago by Chris Peressini - 8.14 UX - updated 12 minutes ago
- Record img height when uploading so issue page doesn't jump on loading** (#24148) - opened 21 minutes ago by Régis Freyd (GitLab) - Frontend - updated 21 minutes ago
- Delete environments** (#24147) - opened 39 minutes ago by Dave - updated 39 minutes ago
- Add blue border to buttons on focus** (#24146) - opened 41 minutes ago by Chris Peressini - 8.14 Frontend - updated 12 minutes ago
- Make hover/focus/active states more noticeable for buttons** (#24145) - opened about an hour ago by Chris Peressini - 8.14 UX - updated 12 minutes ago
- Make sure all buttons turn dark on focus** (#24144) - opened about 2 hours ago by Chris Peressini - 8.14 Frontend UX - updated 12 minutes ago
- Shared CI secure variables across the projects** (#24143) - opened about 2 hours ago by Vasily Bezruchkin - updated about 2 hours ago

# Exemples de forges

## Exemple : GitLab – Intégration continue

The screenshot displays the GitLab CI/CD interface for a project. At the top, the navigation bar shows 'GitLab.org / GitLab Community Edition' and a search bar. Below the navigation bar, the 'Pipelines' tab is selected, showing a list of pipelines. The selected pipeline is #4860322, which has 46 builds for the 'show-status-from-branch' job. The pipeline is currently in a 'running' state, indicated by a blue 'running' button. The pipeline was authored by Lin Jen-Shin (godfat) 17 minutes ago and is associated with commit ce1dc4c25d3464b7a9a1b21d93157c9fed98f705.

**Update for CHANGELOG**

Buttons: Hide pipeline graph, Retry failed, Cancel running

**Prepare**

- knapsack (status: success)

**Test**

- spinach 10 (status: success)
- license\_finder (status: failed)
- bundler:check (status: success)
- lint-doc (status: success)
- teaspoon (status: success)
- rake db:seed\_fu (status: success)
- rake db:migrate:reset (status: success)

**Post Test**

- spinach 7 10 (status: failed)
- spinach 9 10 (status: success)
- spinach 8 10 (status: success)
- spinach 6 10 (status: success)
- spinach 5 10 (status: success)
- spinach 4 10 (status: success)
- spinach 3 10 (status: success)

# Exemples de forges

## Exemple : GitLab – Analyse d'un cycle de développement

The screenshot displays the GitLab web interface. At the top, the navigation bar includes the GitLab logo, a search bar, and user profile information. Below this, the 'Pipelines' tab is selected, showing sub-tabs for 'Pipelines', 'Environments', and 'Cycle Analytics'. The 'Cycle Analytics' section is highlighted, featuring a rocket icon and a description of the tool's purpose. Below this, a 'Pipeline Health' summary card shows statistics for New Issues (1157), Commits (1729), and Deploys (-) over the last 30 days. The bottom section, 'Cycle Analytics', provides a breakdown of development cycle stages: Issue (about 1 hour), Plan (11 days), Code (---), and Test.

GitLab.org / GitLab Community Edition

Project Activity Repository **Pipelines** Graphs Issues 5,225 Merge Requests 398 Snippets

Pipelines Environments **Cycle Analytics**

**Introducing Cycle Analytics**

Cycle Analytics gives an overview of how much time it takes to go from idea to production in your project.

[Read more](#)

**Pipeline Health**

<b>1157</b> New Issues	<b>1729</b> Commits	<b>-</b> Deploys	Last 30 days
---------------------------	------------------------	---------------------	--------------

**Issue**  
Time before an issue gets scheduled  
about 1 hour

**Plan**  
Time before an issue starts implementation  
11 days

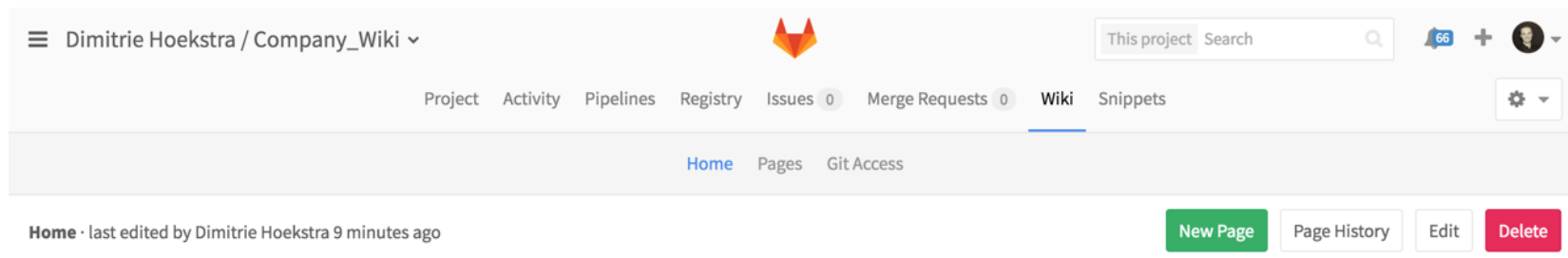
**Code**  
Time until first merge request  
---

**Test**



# Exemples de forges

## Exemple : GitLab – Wiki



### Wiki: Project / Company Values

We value results, transparency, sharing, freedom, efficiency, frugality, collaboration, directness, kindness, diversity, boring solutions, and quirkiness:

1. **Results:** We care about what you achieve; the code you shipped, the user you made happy, and the team member you helped. Do not compete by proclaiming how many hours you worked yesterday because we don't want someone who took the afternoon off to feel like they did something wrong. Instead, celebrate the achievements of yourself and your teammates. We want people to have the desire to ship.
2. **Transparency:** Be open about as many things as possible. By making information public we can reduce the threshold to contribution and make collaboration easier. An example is the [public repository of this website](#) that also contains this [company handbook](#). Everything we do is public by default, for example, the [GitLab CE](#) and [GitLab EE](#) issue trackers, but also [marketing](#) and [infrastructure](#). Transparency creates awareness for GitLab, allows us to recruit people that care about our culture, it gets us more and faster feedback from people outside the company, and makes it easier collaborate with them. There are exceptions, material that is not public by default is documented in the [general guidelines](#). On a personal level, you should tell it like it is instead of putting up a poker face. Don't be afraid to admit you made a mistake or were wrong. When something went wrong it is a great opportunity to say "What's the [kaizen](#) moment here?" and find a better way without hurt feelings.
3. **Sharing:** We care about giving great software, documentation, examples, lessons, and processes to the world. An example is the MIT licensed [GitLab CE](#). We believe that open source creates more value than it captures. We are grateful to our customers, users, partners, investors, and the open source ecosystem.
4. **Freedom:** You should have clear objectives and the freedom to work on them as you see fit. Any instructions are open to discussion. You don't have to defend how you spend your day. We trust team members to do the right thing instead of having rigid rules.
5. **Efficiency:** We care about working on the right things, not doing more than needed, and not duplicating work. This enables us to achieve more progress with fewer people and makes our work more fulfilling. We think of how we can make the company better instead of being territorial or defensive.
6. **Frugality:** [Amazon states it best](#) with: *Accomplish more with less. Constraints breed resourcefulness, self-sufficiency and invention. There are no extra points for growing headcount, budget size or fixed expense.*
7. **Collaboration:** Helping others is a priority, even when it is not related to the goals that you are trying to achieve. You are expected to ask others for help and advice. Anyone can chime in on any subject, including people who don't work at GitLab. The person who has to do the work decides how to do it but you should always take the suggestions seriously and try to respond and explain.



# Exemples de forges

## Exemple : Gogs

The screenshot displays the Gogs web interface for the repository 'git / libft'. At the top, there's a navigation bar with links: 'Tableau de bord', 'Problèmes', 'Pull Requests', and 'Explorer'. Below this, the repository name 'git / libft' is shown with a lock icon. To the right of the repository name are buttons for 'Ne plus suivre' (1), 'Voter' (0), and 'Embranchement' (0). Below the repository name, there's a section for 'Lib of C functions' with a dropdown menu showing 'Branche: master' and a link to 'libft'. To the right of this section are buttons for 'SSH', 'HTTPS', and a text input field containing 'gogs@gogs.io/repo/libft.git'. Below this, there's a table of commits. The first commit is 'git: ddcdbcc8a8' with the message 'Add ft\_puttabint function which can display square and varia...' and a timestamp of '3 heures auparavant'. Below this, there's a list of files with their commit hashes and messages. The files are: '.gitignore' (876125cc0e, initial commit, 1 mois auparavant), 'Makefile' (ddcdbcc8a8, Add ft\_puttabint function which can display square and variable size., 3 heures auparavant), 'auteur' (315b71211e, Fix files rights. Add ft\_strdup\_till function., 1 jour auparavant), 'ft\_atoi.c' (315b71211e, Fix files rights. Add ft\_strdup\_till function., 1 jour auparavant), 'ft\_bzero.c' (315b71211e, Fix files rights. Add ft\_strdup\_till function., 1 jour auparavant), 'ft\_isalnum.c' (315b71211e, Fix files rights. Add ft\_strdup\_till function., 1 jour auparavant), 'ft\_isalpha.c' (315b71211e, Fix files rights. Add ft\_strdup\_till function., 1 jour auparavant), and 'ft\_isascii.c' (315b71211e, Fix files rights. Add ft\_strdup\_till function., 1 jour auparavant).

Tableau de bord   Problèmes   Pull Requests   Explorer

git / libft

Ne plus suivre 1   Voter 0   Embranchement 0

Problèmes 0   Pull Requests 0   Commissions 6   Publications 0   Paramètres

Lib of C functions

SSH   HTTPS   gogs@gogs.io/repo/libft.git


Branche: master libft

git: ddcdbcc8a8 Add ft\_puttabint function which can display square and varia... 3 heures auparavant

.gitignore	876125cc0e	initial commit	1 mois auparavant
Makefile	ddcdbcc8a8	Add ft_puttabint function which can display square and variable size.	3 heures auparavant
auteur	315b71211e	Fix files rights. Add ft_strdup_till function.	1 jour auparavant
ft_atoi.c	315b71211e	Fix files rights. Add ft_strdup_till function.	1 jour auparavant
ft_bzero.c	315b71211e	Fix files rights. Add ft_strdup_till function.	1 jour auparavant
ft_isalnum.c	315b71211e	Fix files rights. Add ft_strdup_till function.	1 jour auparavant
ft_isalpha.c	315b71211e	Fix files rights. Add ft_strdup_till function.	1 jour auparavant
ft_isascii.c	315b71211e	Fix files rights. Add ft_strdup_till function.	1 jour auparavant


# Exemples de forges


## Exemple : Pikacode


**Pikacode**  
Git and mercurial hosting

[Welcome](#) [Log in](#) [Register](#)

Test our new release: [v2.pikacode.com](https://v2.pikacode.com)

**Code hosting**  
  
Git and Mercurial  
Public and private repositories

**Teamwork**  
  
Bugtracker  
Roadmap and milestones


**Security**  
  
Hosted in France  
Durable backup

**Free Git & Mercurial hosting**

Create my account !


# Exemples de forges


## Exemple : Pikacode - Dépôts


 [Accueil](#) [Explorer](#)

[S'inscrire](#) [Connexion](#)

**Explorer**

 [Dépôts](#)

 [Utilisateurs](#)

 [Organisations](#)

[Rechercher](#)

[AmirhosseinEtaat / DefendersOfShrine](#) ★ 0 🔗 1

Mis à jour il y a 5 heures

[Linde-AG / SAPonAIXandOracle](#) ★ 0 🔗 0

SAP on AIX and Oracle


Mis à jour il y a 4 jours


[mariotti / mfsh-scripts](#) ★ 0 🔗 0

Mis à jour il y a 6 jours

# Exemples de forges

## Exemple : Pikacode - Commits

 [Accueil](#) [Explorer](#) [S'inscrire](#) [Connexion](#)

 **Linde-AG** / **SAPonAIXandOracle**




[Suivre](#) **2** [Voter](#) **0** [Fork](#) **0**

[Files](#) [Tickets](#) **0** [Pull Requests](#) **0** [Commits](#) **21** [Publications](#) **0** [Wiki](#)

[Branche: master](#)

**21 Commits (master)**

Rechercher des commits [Trouver](#)

Auteur	SHA1	Message	Date
 Sumit Das	257da4ddba	Update March End code additions	il y a 1 semaine
 Sumit Das	d3ac97bf1c	TEST	il y a 1 semaine
 Sumit Das	ef1d7b3ab7		il y a 1 semaine

# Exemples de forges

## Exemple : FusionForge SourceSup par Renater

**SourceSup**  
par RENATER

**La forge Enseignement supérieur et Recherche**

Vous êtes déjà authentifié. [Continuez.](#)

Projets  Rechercher

Accueil Ma page Projets Échantillons de code Postes ouverts du projet

Bienvenue sur SourceSup

SourceSup est un service opéré par [RENATER](#)

SourceSup est une plateforme web de gestion de projets à destination de l'Enseignement Supérieur et des laboratoires de Recherche Français. Tous les membres de la communauté peuvent créer un projet sur SourceSup. Les Projets sont, par défaut, privés, mais ils peuvent être rendus publics. De nombreux outils sont disponibles et peuvent être activés pour chaque projet dans l'onglet administration.

- [Documentation](#) est disponible ici
- [Adresse de support](#) pour envoyer un mail à notre support.

**Dernières annonces**

**Release of FullSWOF\_UI 1.02.00**  
*Christian Laguerre* – 13/05/2016 13:43 – [FullSWOF\\_UI](#)  
The FullSWOF development team is pleased to announce the release of FullSWOF\_UI 1.02.00.  
1 Commentaire [Lire la suite/Commenter](#)

**Release of FullSWOF\_2D 1.07.00**  
*Christian Laguerre* – 14/03/2016 21:17 – [FullSWOF\\_2D](#)  
The FullSWOF development team is pleased to announce  
1 Commentaire [Lire la suite/Commenter](#)

**Nouvelle version 3.0 Commandant Poulard !!!**  
*Gérard Milhaud* – 17/02/2016 08:01 – [QoQ-CoT](#)  
*Pré-scriptum* : désolé pour l'hypercentex pas très hyper, mais pas possible de faire figurer des liens dans les annonces de SourceSup, même si on peut les rédiger avec fckEditor... :-(  
1 Commentaire [Lire la suite/Commenter](#)

**Nuage de mots-clefs**  
C++ ESUP Java MATLAB PHP Perl Python R XML XSLT alignment bioinformatics  
calendrier data analysis database django esup formations java javascript mass  
spectrometry monitoring pedagogie protein proteomics python quooxdo read  
security signal processing simulation web

**Statistiques de SourceSup**  
Projets hébergés : **2,226**  
Utilisateurs inscrits : **6,702**  
Projets les plus téléchargés  
183,008 [AGATTE](#)  
130,780 [DataJiver](#)  
81,095 [ScientificPython](#)  
41,967 [eXtensible Metagrammar](#)  
41,168 [BibliOpera](#)  
30,580 [Lodel](#)  
20,370 [Molecular Modelling Toolkit](#)  
15,810 [Développement de WIMS](#)

<https://sourcesup.renater.fr/>

# Exemples de forges

## Exemple : FusionForge SourceSup par Renater – Projet AGATTE

The screenshot displays the SourceSup project page for AGATTE. The header includes the SourceSup logo, the text 'La forge Enseignement supérieur et Recherche', and a login status 'Vous êtes déjà authentifié. Continuez.' with a user icon. A search bar is located on the right. The navigation menu includes 'Accueil', 'Ma page', 'Projets', 'Échantillons de code', 'Postes ouverts du projet', and 'AGATTE'. The 'AGATTE' section is active, showing sub-tabs: 'Résumé', 'Activité', 'Outil de suivi', 'Tâches', 'Documents', 'Annonces', 'Sources', 'Fichiers', and 'Listes Sympa'.

**Description du projet**  
Logiciel WEB de gestion du Temps de travail à l'Université : gestion des pointages et des congés

**Information du projet**  
Ce projet n'a pas défini de mots-clés.

- Development Status : 5 – Production/Stable
- Environment : Web Environment
- Environment : Win32 (MS Windows)
- Intended Audience : End Users/Desktop
- License : Other/Proprietary License
- Natural Language : French
- Operating System : Microsoft : Windows
- Operating System : POSIX : Linux
- Programming Language : Delphi/Kylix
- Programming Language : Java
- Programming Language : PL/SQL
- Topic : Office/Business : Scheduling

Inscrit : 04/06/2004 10:03  
Rang d'activité : 0  
Voir les [statistiques](#) du projet ou le [rapport d'activité](#) pour le projet.  
Voir la liste des [flux RSS](#) disponibles pour ce projet.

**Membres du projet**  
Administrateurs du projet  
[Kevin Hergalant](#)  
[Olivier ZILLER](#)  
[Cédric Champmartin](#)  
Membres :  
[Jérôme GUTIERREZ](#)  
[Matthieu Manginot](#)  
[Matthieu Bildstein](#)  
[Voir les 6 membre\(s\)](#)  
[Demander à rejoindre le projet](#)

**Dernières annonces** rss

**Base de secours**  
Olivier ZILLER – 11/03/2005 15:15 –  
0 Commentaire [Lire la suite/Commenter](#)

**Installation**  
Olivier ZILLER – 07/02/2005 15:56 –  
0 Commentaire [Lire la suite/Commenter](#)

**Client-serveur**  
Olivier ZILLER – 25/10/2004 16:28 –  
0 Commentaire [Lire la suite/Commenter](#)

<https://sourcesup.renater.fr/projects/agatte/>

# Exemples de forges

## Exemple : Redmine à CREATIS – Les projets

The screenshot shows the CREATIS Redmine interface. At the top, there is a navigation bar with links for Home, My page, Projects, and Help. The user is logged in as 'mouton' and can access their account or sign out. A search bar and a 'Jump to a project...' dropdown are also present. The main content area is titled 'Projects' and includes links for 'New project', 'View all issues', 'Overall spent time', and 'Overall activity'. A list of projects is displayed, each with a star icon and a name: commonTK, CREANUIS, CreaTools, bbGEditor, BBTk, crea, creaBruker, creaCartography, CreaCLI, creaContours, and creaEnvironment. Each project has a brief description. On the right side, there is a sidebar with a 'Projects' section containing a 'View closed projects' checkbox and an 'Apply' button.

Home My page Projects Help

Logged in as **mouton** My account Sign out

CREATIS Search: Jump to a project...

**Projects** New project | View all issues | Overall spent time | Overall activity

- ★ **commonTK**
- ★ **CREANUIS**  
This software allows to simulate the nonlinear ultrasound radio frequency (RF) images obtained with linear sources. Indeed, CREANUIS software couples two different approaches:  
A nonlinear propagation field simulator, based on a generalized angular spectrum approach method....
- ★ **CreaTools**  
CreaTools
  - ★ **bbGEditor**
  - ★ **BBTK**  
Black box tool kit
  - ★ **crea**  
The core of Creatools Suite: All cmake functions to detect needed libraries and provide available linkages.
  - ★ **creaBruker**
  - ★ **creaCartography**  
creaCartography
  - ★ **CreaCLI**  
Interoperability for CreaTools
  - ★ **creaContours**  
Manual contours application
  - ★ **creaEnvironment**  
creaEnvironment N-Dimensions

**Projects**  
☐ View closed projects  
Apply

<http://vip.creatis.insa-lyon.fr:9002/projects>

# Exemples de forges

## Exemple : Redmine à CREATIS – Le projet OsiriX Plug-in >> inTag

The screenshot displays the Redmine interface for the 'inTag' project. The top navigation bar includes links for Home, My page, Projects, and Help, along with a search bar and user information (Logged in as mouton, My account, Sign out). The project title 'OsiriX Plug-in » inTag' is prominently displayed. Below the title, a series of tabs allows navigation between Overview, Activity, Roadmap, Issues, New issue, Gantt, Calendar, News, Documents, Wiki, Files, Repository, and Settings. The 'Overview' tab is currently selected.

**Overview**

inTag plug-in for OsiriX, is a software to calculate, display and analyze myocardial strains and intra-myocardial mechanics from cardiac MR images with a tagging pattern.

inTag brings processing and analysis of cardiac tagged MR sequences to most in the clinical environment. One of the main reasons for MR tagging not to be more frequently used in preclinical of clinical research, is the lack of widely available processing tools.

inTag offers a fast and integrated process that bring quantitative strain analysis to most scientists, or physicians in a matter of minutes.

Further information inTag plug-in wiki

- Homepage: <http://www.creatis.insa-lyon.fr/intag/>

**Issue tracking**

- Bug: 2 open / 2
- Feature: 4 open / 4
- Support: 0 open / 0
- Research: 0 open / 0
- Integration: 0 open / 0
- Deployment: 0 open / 0
- Test: 2 open / 2

[View all issues](#) | [Calendar](#) | [Gantt](#)

**Members**

Manager: Claire Mouton, DAVILA Eduardo, Maciej Orkisz, Patrick Clarysse, pierre croisille, William A. Romero R.

Developer: Claire Mouton, DAVILA Eduardo, Patrick Clarysse, pierre croisille, William A. Romero R.

Reporter: Claire Mouton, DAVILA Eduardo, Patrick Clarysse, pierre croisille, William A. Romero R.

Viewer: Claire Mouton, coralie vandroux, DAVILA Eduardo, Frédéric Cervenansky, Maciej Orkisz, Patrick Clarysse, pierre croisille, William A. Romero R.

**Spent time**

0.00 hour

[Log time](#) | [Details](#) | [Report](#)

**Manager**

Claire Mouton

DAVILA Eduardo

Maciej Orkisz

Patrick Clarysse

pierre croisille

William A. Romero R.  
CNRS  
Research Engineer

[Download](#)  
inTag inTag v1.2-1B

Powered by Redmine © 2006-2013 Jean-Philippe Lang



# Exemples de forges

Exemple : Redmine à CREATIS – Le projet OsiriX Plug-in >> inTag/Issues

The screenshot shows the Redmine web interface for the 'OsiriX Plug-in » inTag' project. The top navigation bar includes links for Home, My page, Projects, and Help. The user is logged in as 'mouton' with links for My account and Sign out. The search bar contains '» inTag'. The main navigation bar includes tabs for Overview, Activity, Roadmap, Issues (selected), New issue, Gantt, Calendar, News, Documents, Wiki, Files, Repository, and Settings.

The 'Issues' section is active, showing a list of issues. The filters section includes a 'Status' filter set to 'open' and an 'Add filter' button. The options section includes 'Apply', 'Clear', and 'Save' buttons.

#	#	Project	Tracker	Status	Priority	Subject	Updated	
<input type="checkbox"/>	2012	2012	inTag	Bug	New	Normal	Ambiguity with parameter identifier in xls files	05/28/2013 04:56 pm
<input type="checkbox"/>	1962	1962	inTag	Feature	New	Normal	Alternatives Motion estimators	03/29/2013 09:55 am
<input type="checkbox"/>	1937	1937	inTag	Bug	New	Normal	Limited access to sample data	03/18/2013 05:02 pm
<input type="checkbox"/>	1936	1936	inTag	Feature	In Progress	Normal	Contour interactive correction	08/26/2013 07:11 pm
<input type="checkbox"/>	1935	1935	inTag	Test	New	Normal	RefIntag Test	03/18/2013 05:03 pm
<input type="checkbox"/>	1934	1934	inTag	Test	New	Normal	inTag Evaluation	03/18/2013 05:04 pm
<input type="checkbox"/>	1933	1933	inTag	Feature	New	Normal	Point value picking	03/18/2013 05:04 pm
<input type="checkbox"/>	1931	1931	inTag	Feature	In Progress	Normal	Strain rates, peak strain rates computation	03/18/2013 05:17 pm

(1-8/8)

Also available in: [Atom](#) | [CSV](#) | [PDF](#)

**Issues**  
View all issues  
Summary

**Graphs**  
Open aging issues  
Total issues over time  
Total bugs over time  
Calendar  
Gantt

---

Collaboration via les forges logicielles – Formation Git CNRS 6 juin 2017 – Claire MOUTON 39

# Exemples de forges

Exemple : Redmine à CREATIS – Le projet OsiriX Plug-in >> inTag/Dépôt

Home My page Projects Help

Logged in as **mouton** My account Sign out

## OsiriX Plug-in » inTag

Search:  » inTag

Overview Activity Roadmap Issues New issue Gantt Calendar News Documents Wiki Files Repository Settings

root @ master [Statistics](#) | Branch: master | Tag: | Revision:

Name	Size
OsiriXPlugin	
wxInTag.skel	
.gitignore	162 Bytes
AxinoeLogo.xpm	23 KB
CMakeLists.txt	2.98 KB
CreatisLogo.png	4.99 KB
CreatisLogo.xpm	22.9 KB
README	10 KB
builtwithwx.png	2.7 KB

### Latest revisions

#	Date	Author	Comment
<a href="#">a8cb985e</a>	05/24/2012 02:18 am	Jean-Charles BERTIN	Added parameters to debug save panel.
<a href="#">ee1a20c5</a>	05/24/2012 02:17 am	Jean-Charles BERTIN	Added inTag to saved parameters.
<a href="#">3f71b14d</a>	05/24/2012 01:45 am	Jean-Charles BERTIN	Make wxInTag target optional.
<a href="#">c5f77ff4</a>	05/24/2012 01:44 am	Jean-Charles BERTIN	Fixed compilation warning.
<a href="#">8214dea9</a>	05/23/2012 08:44 pm	Jean-Charles BERTIN	Use Alternate key to access debug save panel.
<a href="#">153fa0ba</a>	05/23/2012 08:30 pm	Jean-Charles BERTIN	Minor cleanup.
<a href="#">30343549</a>	05/23/2012 08:27 pm	Jean-Charles BERTIN	Added Wait.h file.
<a href="#">37e03b5f</a>	05/23/2012 08:25 pm	Jean-Charles BERTIN	Added slices versioning.
<a href="#">2d74de58</a>	05/23/2012 08:25 pm	Jean-Charles BERTIN	First import.
<a href="#">83305de5</a>	05/23/2012 08:25 pm	Jean-Charles BERTIN	Added recalculation of initial results with warping algorithm.

[View differences](#)

[View all revisions](#) | [View revisions](#)

Also available in: [Atom](#)

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# Exemples de forges

## Exemple : Tuleap – Agile dashboard

The screenshot displays the Tuleap Agile dashboard interface. On the left is a dark sidebar with navigation links: Admin, Agile Dashboard (selected), Current Sprint, Git, Mediawiki, Files, and Trackers. The main area is divided into two columns. The left column, titled 'To be planned', contains a list of items with details like bug numbers, descriptions, assignees, severity, and submission dates. The right column, titled 'Milestones', shows release cycles with dates and planned status, along with a list of associated bugs and stories. The interface includes a top navigation bar with 'My Personal Page', 'Projects', 'Help', and 'More' links, a search bar, and a user profile icon.

**To be planned**

- bugs #1290 - Fatal error while linking people to a meeting room  
Assigned to: Linda Smith (LSmith)  
Severity: Critical impact  
Submitted on: a month ago  
Submitted by: Helen Tiburi (HTiburi)
- bugs #1292 - Warning on creating a new meeting's topic  
Assigned to: [User]  
Severity: Low impact  
Submitted on: a month ago  
Submitted by: Alice Regalio (aregalio)
- bugs #1288 - Take long time to make me enter a meeting room  
Assigned to: [User]  
Severity: Low impact  
Submitted on: a month ago  
Submitted by: Massimo Rodriguez (mrodriguez)
- story #1258 - declined an invitation to join the meeting  
Prepare a meeting  
Status: Todo  
1 pt
- story #1276 - Cancel a meeting area  
2 pts

**Milestones**

- 2.2 Dec 18, 2016 → Jan 16, 2017 Planned
- 2.1 Oct 30, 2016 → Dec 12, 2016 Planned

Capacity: 20 Initial effort: 11

- bugs #1286 - Do not receive email invitations  
Assigned to: Alice Regalio (aregalio)  
Severity: Critical impact  
Submitted on: a month ago  
Submitted by: Massimo Rodriguez (mrodriguez)
- bugs #1287 - Do not save meeting options  
Assigned to: Richard Cover (Richard)  
Severity: Major impact  
Submitted on: a month ago  
Submitted by: Massimo Rodriguez (mrodriguez)
- story #1261 - vote for an idea in the shared Box Idea  
Basic brainstorming  
Status: Todo  
3 pts
- story #1262 - make searches in the Box Ideas  
Basic brainstorming  
5 pts

# Exemples de forges

## Exemple : Tuleap au LaMCoS

The screenshot shows the homepage of the LaMCoSPLM platform. At the top, there is a navigation bar with the LaMCoSPLM logo, links for 'Aide' and 'Plus', and buttons for 'Se connecter' and 'Nouveau compte'. Below the navigation bar is a large banner featuring the LaMCoS logo, a car chassis, and logos for CNRS, INSA, and the University of Lyon. The banner text reads 'Laboratoire de Mécanique des Contacts et des Structures'. Below the banner, a paragraph describes the platform's purpose: 'Avec cette plateforme LaMCoSPLM, gérez vos collaborations et projets scientifiques. Venez planifier, suivre, développer & collaborer sur vos projets : développement logiciels, rédaction de documents, conception et gestion de vos dispositifs expérimentaux.' The page is divided into three main sections. On the left, 'Dernières actualités' (Latest news) features a post about the platform's opening on July 1, 2016, by the administrator. In the center, two statistics are displayed: '87 Projets' (87 Projects) and '93 Utilisateurs' (93 Users). On the right, the 'Connexion' (Login) section includes input fields for 'Nom d'utilisateur' (Username) and 'Mot de passe' (Password), a 'Connexion' button, a link for 'Oups, j'ai oublié mon mot de passe' (Oops, I forgot my password), and a link for 'Pas encore membre ? Créer un compte' (Not a member yet? Create an account).

https://lamcosplm.insa-lyon.fr/

# Où héberger mon code?

---

# Quelle forge choisir?

Choix nécessairement fait en **concertation avec votre direction** (du laboratoire, de l'université ...) : choix technique mais aussi aspects stratégiques et d'image.

- Quelles sont les **directives** de nos tutelles ?
- S'assurer des **services rendus** par la forge, pas uniquement sur les outils techniques disponibles mais aussi sur l'équipe en place pour la gérer, à la garantie de service, aux délais de réponse ...
- S'assurer de la **pérennité** de la forge (un gros projet est très difficile à migrer).
- Si le développement comprend d'autres partenaires (industriels, européens ...) il est évident que le choix va être guidé par l'**ensemble de ces partenaires**.
- **Aspects communautaires** : Les forges correspondent généralement à une communauté (métier ...) avec des processus et des outils adaptés à ces pratiques : choisir plutôt un environnement proche.

D'après V. Louvet (ICJ / Calcul)

# Aucune des forges existantes ne répond à mon besoin !

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2 options :

- Installer un logiciel complet de forge au sein de son laboratoire : pas très raisonnable compte tenu de la complexité et du temps d'administration nécessaire.
- N'installer unitairement que les logiciels nécessaires :
  - outils de gestion de version,
  - outils de suivi de bugs et de tâches,
  - outil de communication.

Faites du lobbying pour la mise à disposition d'une forge répondant à tous les besoins de notre communauté !

D'après V. Louvet (ICJ / Calcul)



# Conclusions : Une forge, un outil essentiel !

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- Pour le **développeur** : gestion de code, gestion de configuration, outils de reconstruction automatique, plate-forme de diffusion de son logiciel, listes électroniques, forums, gestion des bugs et demandes de modification, ...
- Pour la **communauté** : connaissance des projets en cours, des compétences, des technologies émergentes, ...
- Pour les **tutelles** : visibilité, tableau de bord des activités de développement de logiciel, image du dynamisme de la production logiciel de l'organisme

D'après V. Louvet (ICJ / Calcul)

# Perspectives ?

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Cependant ...

Les forges existantes **ne répondent pas forcément à tous les besoins des membres de la communauté ESR.**

Les contraintes :

- **appartenance ou collaboration** avec un organisme
- logiciels sous **licence libre**

peuvent être **rédhibitoires** !

Que peut-on faire quand :

- le besoin de **confidentialité/sécurité** est fort (ex jeu de tests avec infos personnelles/médicales, possibilité de brevet associé, coopération industrielle, ...),
- le logiciel n'est **pas sous licence libre**,
- on n'appartient **pas à une tutelle** qui propose le service ...

D'après V. Louvet (ICJ / Calcul)

# **Un moment pour échanger !**

# Un moment pour échanger !

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Et toi, tu fais comment pour collaborer ?!?

- Pas de forge ?
- Quelle forge ?
- Quelle utilisation ?

Vos pratiques ?

Vos retours d'expérience ?

Des erreurs à ne pas faire / des conseils ?

Des compléments à ma présentation ?