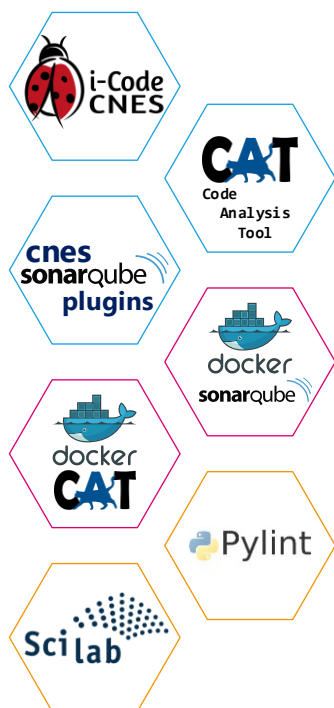


The aim of the **CNES LEQUAL** (for *Software Quality Expertise Lab*) Laboratory is to create and maintain tools for analysing code and verifying the quality of the code. The tools and their source code are available on **GitHub**.



Code on GitHub

- SonarQube plugins
- i-Code
- CNES images' Dockerfile
- ...

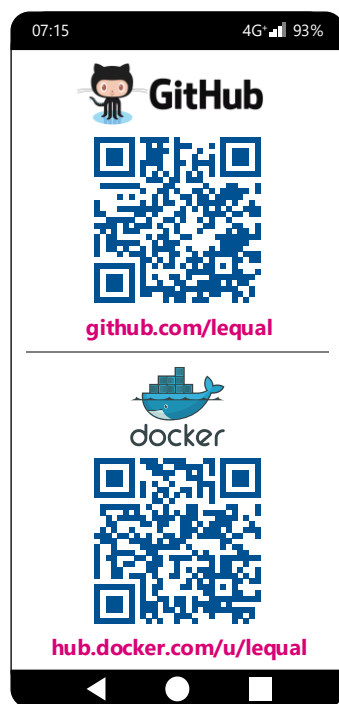
Let's star and fork our key projects on GitHub.

Images on DockerHub

We provide 2 ready-to-use SonarQube instances for auditors (docker-cat) and developers (sonarqube). The corresponding Dockerfiles are available on GitHub.

Code Contributions

LEQUAL team contributed to Pylint & Slint core code.



\$> Join us on lequal.github.io

We are open to external participation and would be very pleased to work with you on improving open source code quality software for the community.
If you are interested, follow the link to our GitHub organization.

GitHub

i-Code CNES

<https://github.com/lequal/i-CodeCNES>

i-Code CNES is a static code analysis tool to help developers write code that is compliant with CNES coding rules for Fortran 77, Fortran 90 and Shell.

SonarQube i-Code CNES plugin

<https://github.com/lequal/sonar-icode-cnes-plugin>

This SonarQube plugin adds the ability to run analysis and import i-Code results for Fortran (77 & 90) & Shell. It is available directly on SonarQube's marketplace.

SonarQube CNES Report plugin

<https://github.com/lequal/sonar-cnes-report>

This software can export code analysis results from a SonarQube server as a docx, xlsx, csv, markdown, and text files. It can be used as a standalone or as a SonarQube plugin available directly on SonarQube's marketplace.

SonarQube Frama-C plugin

<https://github.com/lequal/sonar-icode-cnes-plugin>

This SonarQube plugin adds the ability to import Frama-C results for C language. The Frama-C tool must be available on the system.

SonarQube CNES Export plugin

<https://github.com/lequal/sonar-cnes-export-plugin>

This SonarQube plugin adds ability to export directly from the web interface the rules of a given quality profile in OpenXML format.

SonarQube CNES Python plugin

<https://github.com/lequal/sonar-cnes-python-plugin>

This SonarQube plugin adds further rules to SonarPython by adding support of results provided by Pylint CNES Checker Plugin.

See more projects on <https://github.com/lequal>

DockerHub

Docker CAT image

<https://hub.docker.com/r/lequal/docker-cat>

Docker Code Analysis Tools (CAT) is a SonarQube docker image containing CNES configuration and open source tools to realize audit of code quality.

As simple as:

```
$> docker run -v ${PWD}:/media/sf_Shared:rw -p 80:9000 lequal/docker-cat
```

CNES SonarQube image [server]

<https://hub.docker.com/r/lequal/sonarqube>

Docker image for SonarQube with preconfigured plugins and settings by CNES dedicated to Continuous Integration.

Coming soon...

CNES sonar-scanner image [client]

<https://hub.docker.com/r/lequal/sonar-scanner>

Docker environment containing open source code analysis tools configured by CNES and dedicated to Continuous Integration.

Coming soon...