# FortranAnalyser

## Release notes

### Version 2.0 *[20th September 2018]*

*New functionalities added:*

- *New GUI completely renewable;*
- *implementation of the cyclomatic complexity (McCabe, 1976);*
- *new language available: Portuguese;*
- *User manual available throw the application;*
- *improved code with SonarQube report;*

### Version 1.9.4 *[12th December 2018]*

*Modifications suggested by "SonarQube":*

- *solve vulnerabilities problems;*
- *removing duplicated code;*

### Version 1.9.3 *[7th November 2018]*

*Correction of bug:*

- *#003: solve multiple problems withe the average calculation in: nested loops in final table and the begining of the document.*
- *#002: When a directory with none file write in Fortran is analysed, FortranAnalyser create a PDF with "NaN" value in the final table. This problem was found by "Marie Alice Foujol" (researcher at Météo France).*

### Version 1.9.2 *[1th Mars 2018]*

*Modifications:*

- *updated report and calculate of final score.*

### Version 1.9.1 *[27th November 2017]*

*Correction of bug:*

- *#001: the software do not create the directory "tmp" if it doesn't exists. This problem was found by "Marie-Alice Foujol" (researcher at IPSL - France).*

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## Version 1.9 *[4th October 2017]*

*New functionality added:*

- *ratio metric.*

*Information added:*

- *summary table at the end of the quality report file.*

## Version 1.8 *[7th September 2017]*

*New functionalities are added and others are improved:*

- *added the time that the quality report is done;*
- *the application use the java API -i18n- to internationalizing software;*
- *created the "CONTRIBUTING.MD" file.*

## Version 1.5 *[14th July 2017]*

*New functionalities are added and the app was customized:*

- *When the fortranAnalyser finish the report, it open the document generated with the PDF reader;*
- *Some parameters are modified to customize the application in order to get a friendlier interface;*
- *added the new icon of the application*
- *modification of the scores of the metrics to perform the calculations more accurately;*
- *modified the "pom.xml".*

## *Version 1.0 [29th May 2017]*

*First version of FortranAnalyser where the functionalities are:*

- *count the number of functions declared;*
- *use or not use the «Implicit none» sentence;*
- *count the number of declared functions;*
- *count the number of subroutines calls;*
- *count the number of comments;*

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- *count the number of declared variables;*
- *comments in files;*
- *check number of nested loops;*
- *number of subroutines calls;*
- *the use of “EXIT” sentence in loops;*
- *the use of “CYCLE” sentence in loops;*