
DMP du projet "CEToolbox Software Management Plan"

Plan de gestion de données créé à l'aide de DMP OPIDoR, basé sur le modèle "Research Software Management Plan template (PRESOFT project)" fourni par PRESOFT projet.

Plan Details

Plan title DMP du projet "CEToolbox Software Management Plan"
Language fra
Creation date 2021-11-09
Last modification date 2021-11-09
Identifiant

Project Details

Project title CEToolbox Software Management Plan
Abstract

Produits de recherche :

1. CEToolbox Software Management Plan (Logiciel)

Contributeurs

Nom	Affiliation	Rôles
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Droits d'auteur :

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DMP du projet "CEToolbox Software Management Plan"

1. Metadata

CEToolbox

The CEToolbox software is an Android application for computing Capillary Electrophoresis parameters. It provides several tabs, each of them providing a simple way to compute specific data, like injection information, viscosity, conductivity or electroosmotic mobility.

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

<https://github.com/cetoolbox/>

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The research units in charge of the software are the LSMIS and IPHC

- Y. François (LSMIS)
 - M. Biacchi (LSMIS)
 - R. Gahoual (LSMIS)
 - A. Vezin (LSMIS)
 - J. Pansanel (IPHC)
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Version 1.4.5

2021-03-03

CE Toolbox is free software; it is licensed under the Apache License, Version 2.0.

Physical and Analytical Chemical Sciences

Injection characteristic calculation ; Conductivity ; Flow rate; Mobility; Separation characteristic calculation; Viscosity.

Android Application; Java; Open Source software

Question sans réponse.

2.1 Software context: History

Question sans réponse.

Question sans réponse.

Previous version of CEToolbox are available on this page: <https://github.com/cetoolbox/cetoolbox/releases>

Question sans réponse.

It is planned to modify the user interface to comply with recent UX design. It is also planned to release an iOS version of CEToolbox.

Question sans réponse.

Question sans réponse.

François, Y.N., Biacchi, M., Gahoual, R., Vezin, A. and Pansanel, J. (2021), CEToolbox: Specialized calculator for capillary electrophoresis users as an android application. ELECTROPHORESIS, 42: 1431-1435. <https://doi.org/10.1002/elps.202100036>

Question sans réponse.

2.2 Software context: Project(s) related to the software

Question sans réponse.

2.3 Software context: Legal issues and distribution policy

Question sans réponse.

CNRS and University of Strasbourg

Question sans réponse.

CEToolbox is licensed under the Apache License, Version 2.0

Question sans réponse.

Question sans réponse.

Question sans réponse.

3.1 Software features: Scientific goals

Question sans réponse.

3.2 Software features: Usage and distribution objectives

Question sans réponse.

Laboratory daily work and teaching. The software is TRL9.

The software intends to be used by researchers and engineers who are doing capillary electrophoresis-based analysis.

The support is provided through:

- a complete on-line documentation;
- a ticket system;
- a person in "best effort".

The software is widely distributed through two application stores :

- Google Play
- F-Droid

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- Yes

We are looking for developers or software testers.

Human resources are enough for the maintenance of the software, however additional competences would be welcome for specific developments.

No risk analysis has been done so far.

The source code is saved on several sites with version control system. Backup from stable versions are performed on the laboratory storage server. The code is also correctly indexed by the Software Heritage project.

3.3 Software features: Technical features

The software is developed in Java with Android Studio.

The software works with Android and requires the Android SDK.

Question sans réponse.

Equations used by the application are detailed on: <https://cetoolbox.github.io/resources/cetoolbox-equations.pdf>

Question sans réponse.

4. Team organisation

Question sans réponse.

Question sans réponse.

-
- Y. François (Université de Strasbourg)
 - J. Pansanel (CNRS)
 - M. Biacchi (Université de Strasbourg, former PhD student)
 - R. Gahoual (Université de Strasbourg, former PhD student)
 - A. Vezin (Université de Strasbourg, former student)
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Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

5. Development organisation

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

6. Distribution organisation

<https://github.com/cetoolbox/cetoolbox>

<https://doi.org/10.5281/zenodo.4019170>

François, Y.; Pansanel, J. (2021), "CEToolbox", v1.4.5, Zenodo, <http://doi.org/10.5281/zenodo.4643845>

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

In case of issue, users are invited to open a ticket on:
<https://github.com/cetoolbox/cetoolbox/issues>

Question sans réponse.

7. SMP management

Jérôme PANSANEL

No, it is not required.

Question sans réponse.

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- Public
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Question sans réponse.