Scientific IT Services in Open Science

Champak Beeravolu Reddy
IT Directorate
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The Scientific IT Team (SIT)
2.5 FTE

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    - Ph.D. in Computational and Physical Chemistry
    - @UniFR since 1997

Write to us at scientific-it@unifr.ch
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  - Extended professional experience (Vital-IT and others)
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- https://www.unifr.ch/it/fr/recherche-and-it-scientifique
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The outline for this "Workshop"

1. REDCap@UniFR (~15 mins presentation, ~5 mins questions)
2. Renku@UniFR (~15 mins presentation, ~5 mins questions)
3. General discussion (~5 mins)
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- REDCap stands for Research Electronic Data Capture.
Can I download REDCap?

No!

REDCap is not available for individual, personal use.

It is not “open-source” software or freeware.

It is not meant to be installed on a personal computer.

However...

REDCap software and consortium support are available at no charge to non-profit organizations.

Institutions have to join the “REDCap consortium”.

REDCap EULA only between Vanderbilt University and a non-profit organization.
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REDCap@UniFR
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REDCap@UniFR

UniFR is part of the "REDCap consortium"

How REDCap is being used in response to COVID-19

Stats interface inside; export outside

REDCap is a secure web application for building and managing online surveys and databases. While REDCap can be
REDCap@UniFR

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REDCap@UniFR
Workshop Demo

Log In

Please log in with your user name and password. If you are having trouble logging in, please contact the Scientific IT team.

Username: |
Password: |

Log In

Forgot your password?
REDCap@UniFR

Request access
REDCap@UniFR

We use a *REDCap project* for REDCap account requests!

REDCap account request form

*Note:* It is very important that the Principal Investigator (PI) field be properly specified. When REDCap projects are moved to production (i.e., during data collection), the PI will be the person who ensures that approval has been obtained for his/her project from the relevant Ethics Commission or equivalent institution.

- Students cannot assume a PI status for any project.
- Personnel from the HFR, please contact Antoine Meyer before filling up this form.

If you have any other question regarding this form or REDCap@UniFR, please write to us at redcap@unifr.ch.

**Personal details**

- **First Name**
  - must provide value

- **Last Name**
  - must provide value

- **Your email**
  - must provide value
  - Note: Please provide an institutional address (@unifr.ch, @h-fr.ch, etc.).
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Renku@UniFR
A platform for Open and Reproducible Science/Teaching

Data (Science) is everywhere!
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- Management, Economics and Social Sciences
Renku@UniFR
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- Science and Medicine
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- (Digital) Humanities
- Even Theology! (e.g. analysis of Biblical texts)
Renku@UniFR
Renku results from a collaboration between EPFL and ETHZ

SWISS DATA SCIENCE CENTER

A COMPLEX JOURNEY MADE SIMPLE

We accompany the academic community and the industrial sector in their data science journey, putting to work AI and ML and facilitating the multidisciplinary exchange of data and knowledge

ETHzürich  EPFL
Renku@UniFR

Renku: in a nutshell - facilitates workflows

Ingredients

- data
- code
- environment
- workflow
Renku@UniFR
"A DEMO is worth a thousand words"
Renku@UniFR
A platform for Open and Reproducible Science/Teaching

Note:
Renku@UniFR is currently offered only for teaching!
Renku@UniFR
Partly funded by DigitalSkills@Fribourg (a Swissuniversities project)
Renku@UniFR

Interested? Sign up for courses!

Boosting your digital classroom with Renku

Learn how to create seamless learning experiences using a browser-based online platform Renku with focus on interactivity, collaboration and reproducibility. Renku provides a safe and easy to use interface to create containerised environments with all the required dependencies and personalised interactive sessions. Teaching happens completely in the browser using the resources provided by Renku@UNIFR. With Renku you can:

- focus on teaching and not on configuring student's software environments;
- adjust course granularity to a single question, exercise session or entire semester;
- create classroom ecosystems featuring automation, collaboration and traceability.

The 3 training modules will allow you to learn how to use the online platform Renku according to your level of knowledge of Git, Python and command-line scripts.

Note: These pages are only for enrolling in a Renku workshop. You can also book your own online digital classroom.

Module 1
Aucun prérequis en informatique n'est exigé

Module 2
Prérequis : notions de Git et contrôle de version

Module 3
Prérequis : notions de Git, Python, command-line scripts
Renku@UniFR
Interested? Book your OWN online classroom!

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