

Scientific IT Services in Open Science

Champak Beeravolu Reddy

IT Directorate

University of Fribourg

24.11.2021

■ Small, but dynamic and dedicated team!

- Small, but dynamic and dedicated team!
 - Pawel Bednarek
 - Ph.D. in Computational and Physical Chemistry
 - @UniFR since 1997

■ Small, but dynamic and dedicated team!

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

Arnaud Fortier

- Scientific IT System Specialist
- Extended professional experience (Vital-IT and others)

UNI

FR

• @UniFR since 2019

Small, but dynamic and dedicated team!

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

Arnaud Fortier

- Scientific IT System Specialist
- Extended professional experience (Vital-IT and others)
- @UniFR since 2019
- Champak Beeravolu Reddy
 - Ph.D. in Theoretical Community Ecology
 - @UniFR since 2019

Small, but dynamic and dedicated team!

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

Arnaud Fortier

- Scientific IT System Specialist
- Extended professional experience (Vital-IT and others)
- @UniFR since 2019
- Champak Beeravolu Reddy
 - Ph.D. in Theoretical Community Ecology
 - @UniFR since 2019

https://www.unifr.ch/it/fr/recherche-and-it-scientifique

Small, but dynamic and dedicated team!

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

Arnaud Fortier

- Scientific IT System Specialist
- Extended professional experience (Vital-IT and others)
- @UniFR since 2019
- Champak Beeravolu Reddy
 - Ph.D. in Theoretical Community Ecology
 - @UniFR since 2019
- https://www.unifr.ch/it/fr/recherche-and-it-scientifique
- Write to us at scientific-it@unifr.ch

The outline for this "Workshop"

- 1. REDCap@UniFR (\sim 15 mins presentation, \sim 5 mins questions)
- 2. Renku@UniFR (~15 mins presentation, ~5 mins questions)
- 3. General discussion (\sim 5 mins)

The outline for this "Workshop"

- 1. REDCap@UniFR (\sim 15 mins presentation, \sim 5 mins questions)
- 2. Renku@UniFR (~15 mins presentation, ~5 mins questions)
- 3. General discussion (\sim 5 mins)

REDCap : in a nutshell

So what is REDCap?

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021

REDCap : in a nutshell

So what is REDCap?

REDCap is a secure web platform for building and managing online databases and surveys

UNI

FR

REDCap : in a nutshell

So what is REDCap?

- REDCap is a secure web platform for building and managing online databases and surveys
- REDCap stands for Research Electronic Data Capture

Availability

Can I download REDCap?

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021

Availability

Can I download REDCap? NO!

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021

Availability

Can I download REDCap? NO!

■ REDCap is not available for individual, personal use

Availability

Can I download REDCap? NO!

- REDCap is not available for individual, personal use
- It is not "open-source" software or freeware

Availability

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

Availability

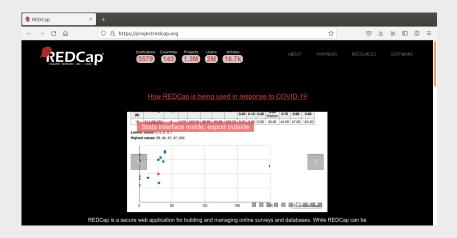
Can I download REDCap? NO!

- 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

UniFR is part of the "REDCap consortium"



Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021 UNI FR

UniFR is part of the "REDCap consortium"



Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021 UNI FR

Workshop Demo

$\leftarrow \rightarrow$ C \textcircled{a}	O A https://redcapmed.unifr.ch	☆	${\times}$	$ \pm $	lii\	ABP	≡
REDCa	p®						
Log In							
	UNI FR UNIVERSITÉ DE FF	RIBOUR	G				
	UNIVERSITÄT FREI						
Please log in with your us	er name and password. If you are having trouble logging in, please cor	itact <u>the Scien</u>	itific IT I	team.			
	Username:	J					
	Password:						
	Log In Forgot your passwe	ord?					

UNI

FR

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021

Request access



UNI

= :

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

음 후 https://redcapmed.unifr.ch/surveys/?s=X48Y9ND4W	м 🛧
REDCap account request f	orm
Note: It is very important that the Principal Investigator (P moved to production (<i>i.e.</i> during data collection), the PI will it obtained for his/her project from the relevant Ethics Comiss	be the person who ensures that approval has been
 Students cannot assume a PI status for any project. Personnel from the HFR, please contact <u>Antoine Mey</u> 	
If you have any other question regarding this form or REDCa	ip@UnIFR, please write to us at <u>redcap@unifr.ch</u> .
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.).

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021 UNI FR

The outline for this "Workshop"

- 1. REDCap@UniFR (\sim 15 mins presentation, \sim 5 mins questions)
- 2. Renku@UniFR (~15 mins presentation, ~5 mins questions)
- 3. General discussion (\sim 5 mins)

A platform for Open and Reproducible Science/Teaching

Data (Science) is everywhere!

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021 UNI FR

A platform for Open and Reproducible Science/Teaching

Data (Science) is everywhere!

Management, Economics and Social Sciences

A platform for Open and Reproducible Science/Teaching

- Management, Economics and Social Sciences
- Science and Medicine

A platform for Open and Reproducible Science/Teaching

- Management, Economics and Social Sciences
- Science and Medicine
- (Digital) Law

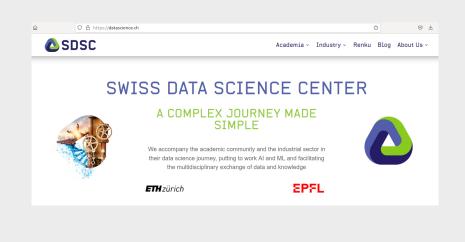
A platform for Open and Reproducible Science/Teaching

- Management, Economics and Social Sciences
- Science and Medicine
- (Digital) Law
- (Digital) Humanities

A platform for Open and Reproducible Science/Teaching

- Management, Economics and Social Sciences
- Science and Medicine
- (Digital) Law
- (Digital) Humanities
- Even Theology! (*e.g.* analysis of Biblical texts)

Renku results from a collaboration between EPFL and ETHZ

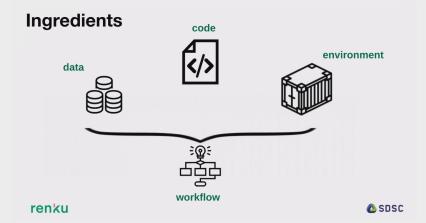


UNI

FR

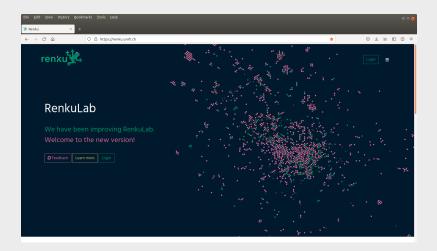
Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021

Renku : in a nutshell - facilitates workflows



Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021 UNI FR

"A DEMO is worth a thousand words"



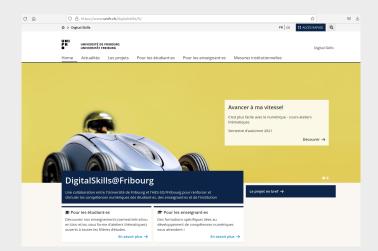
Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021 UNI FR

A platform for Open and Reproducible Science/Teaching

Note :

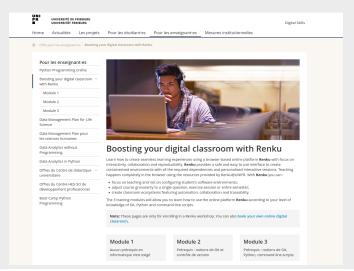
Renku@UniFR is currently offered only for teaching!

Partly funded by DigitalSkills@Fribourg (a Swissuniversities project)



Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021 UNI FR

Interested? Sign up for courses!



UNI

FR

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021

Interested? Book your OWN online classroom!



UNI

FR

Open Science Week : Scientific IT Services (SIT) Champak Beeravolu Reddy 24.11.2021

The outline for this "Workshop"

- 1. REDCap@UniFR (\sim 15 mins presentation, \sim 5 mins questions)
- 2. Renku@UniFR (~15 mins presentation, ~5 mins questions)
- 3. General discussion (\sim 5 mins)