

A - Training on Galaxy: Metabarcoding

Mai 2025 - webinar

GALAXY Practice

LUCAS AUER, MARIA BERNARD, LAURENT CAUQUIL, VINCENT DARBOT, MAHENDRA MARIADASSOU, GÉRALDINE PASCAL & OLIVIER RUÉ

Objectives of the 1st part

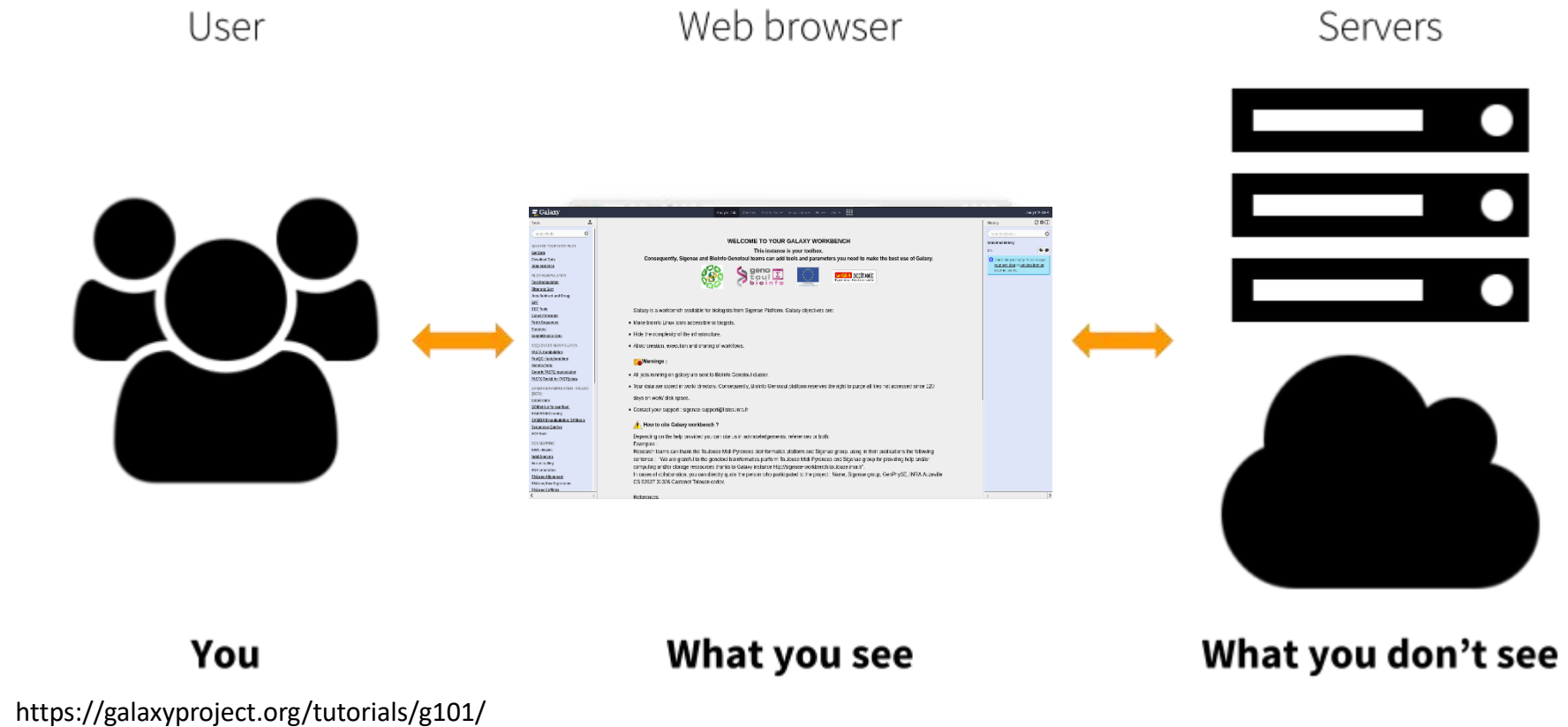
- Learn the basics of Galaxy
- Prepare the 1 dataset for FROGS formation

What is Galaxy?

Galaxy software framework

- Galaxy is an overlay that allows researchers without computer expertise to perform computational analyses online, automate them and share the results easily.
- Developed by the Galaxy Team Project.
- Relies on a computational infrastructure (Server).
- Open source

Galaxy software framework



Where to use Galaxy?

- Galaxy software can be installed and run on powerful server farms (Cluster) or on your individual PC.



The image displays three vertical panels, each representing a different Galaxy installation environment. Each panel lists technical specifications and provides navigation buttons.

- Genotoul Bioinfo:**
 - Location : **Toulouse**
 - Compute (#CPU HT*) : **6224**
 - Storage (#TB) : **4400**
 - RAM (#GB) : **36500**
 - RAM/core (#GB) : **5.56**
 - GPU (#Card) : **1**
- migale:**
 - Location : **Jouy en Josas**
 - Compute (#CPU HT*) : **1016**
 - Storage (#TB) : **350**
 - RAM (#GB) : **7000**
 - RAM/core (#GB) : **6.89**
 - GPU (#Card) : **-**
- IFR CORE:**
 - Location : **Orsay (IDRIS)**
 - Compute (#CPU HT*) : **4300**
 - Storage (#TB) : **2400**
 - RAM (#GB) : **20008**
 - RAM/core (#GB) : **4.65**
 - GPU (#Card) : **-**

Each panel includes a 'Demande de compte' button, a 'Support communautaire' button, and a 'Documentation' button. The bottom of each panel features the 'Galaxy' logo. The IFR CORE panel also includes 'Galaxy / France', 'R Studio', and 'GitLab' logos.



Where to use Galaxy?

- The Toulouse Galaxy platform: <https://vm-galaxy-prod.toulouse.inrae.fr>
- Institut Français Bioinformatique IFB (national server): <https://metabarcoding.usegalaxy.fr>
- Migale Platform: galaxy.migale.inra.fr
- Others...

 The different platforms of Galaxy are not connected together

- Galaxy is installed on many clusters across the world.
- Some tools are in our Galaxy platform but not in other platforms.
- Your data is not shared with other Galaxy platforms than ours.

Exemple of Galaxy platforms

Galaxy Migale

Analyse de données Workflow Visualize Données partagées Aide Authentication

Tools

search tools

Get Data

Collection Operations

BASIC TOOLS

Text Manipulation

Convert Formats

Filter and Sort

Join, Subtract and Group

Statistics

Multiple Alignments

ncbi_blast

NGS TOOLS

Quality control

FASTQ manipulation

Mapping

RNAseq

Variant calling

Variant analyses

Migale Tools

SEQUENCE ANALYSIS TOOLS

GENOME ANALYSIS TOOLS

Genome annotation

METAGENOMICS TOOLS

Metabarcoding

METAPROTEOMICS TOOLS

Send Data

Lift-Over

migale

Welcome to the Migale Galaxy instance!



Global load of the nodes dedicated to Galaxy jobs

What's new

- 28th January 2021: Added [Parnsnp](#) in Section *Phylogeny*.
- 28th January 2021: Added [ECTyper](#) in Section *Genome Annotation*.
- 14th January 2021: Added [Filter SPAdes Output](#) in Section *Assembly*.
- 27th November 2020: Added [Seqtk](#) in Section *FAST/FASTQ Manipulation*.
- 27th November 2020: Added [SeqSero](#) in Section *Genome Annotation*.
- 23d November 2020: Added [staramr](#) in Section *Genome Annotation*.
- 2nd October 2020: Added [Shovill](#) in Section *Assembly*.
- 27th July 2020: Added [Progressive Mauve](#) in Section *Multiple Alignments*.
- 27th July 2020: Added [Mummer4](#) in Section *Multiple Alignments*.
- 24th July 2020: Added [NCBI accession Download](#) in Section *Get Data*.

Exemple of Galaxy platforms

The screenshot displays the Galaxy Toulouse web interface. The top navigation bar includes links for Workflow, Visualize, Données partagées, Aide, Utilisateur, and a grid icon. A status bar on the right indicates 'Using 32%'. A left sidebar contains a 'Tools' section with a search bar and an 'Upload Data' button. Below this, tools are categorized into 'BASIC TOOLS' (Monitoring, Get Data, Send Data, Collection Operations, Lift-Over, Text Manipulation, Convert Formats, Filter and Sort, Join, Subtract and Group, Fetch Alignments/Sequences, Operate on Genomic Intervals, Statistics, Graph/Display Data) and 'ADVANCED TOOLS' (FROGS, OTUS RECONSTRUCTION). The main content area features a welcome message: 'Welcome to new main Galaxy-Toulouse server', followed by a large logo for 'Galaxy Toulouse Main' with a 'NEW' stamp. Below the logo, there are links to 'Latest news', 'Support' (with contact email support.sigenae@inrae.fr), and 'How to cite use of our Galaxy instance?'. The 'Latest news' section lists changes such as the new Galaxy server version (21.05), reorganization of the tool list, submission on the new Slurm HPC cluster, and new storage volume for Galaxy datasets (250GB per user). The right sidebar shows a 'History' section with a search bar and a message indicating that the history is empty and suggesting to upload data or load from an external source.

Galaxy Toulouse

Workflow Visualize Données partagées Aide Utilisateur

Using 32%

New Galaxy server, needed tools/databanks are added on demand

Tools

search tools

Upload Data

BASIC TOOLS

- Monitoring
- Get Data
- Send Data
- Collection Operations
- Lift-Over
- Text Manipulation
- Convert Formats
- Filter and Sort
- Join, Subtract and Group
- Fetch Alignments/Sequences
- Operate on Genomic Intervals
- Statistics
- Graph/Display Data

ADVANCED TOOLS

FROGS

- OTUS RECONSTRUCTION**
- FROGS Demultiplex reads** Attribute reads to samples in function of inner barcode.
- FROGS Pre-process** merging, denoising and dereplication.

Welcome to new main Galaxy-Toulouse server

Galaxy Toulouse Main NEW

[go to Latest news](#)

This new Galaxy server replaces the one set up in 2016 (version 16.01) and configured to submit jobs on a SGE HPC cluster using a global account.

Support

Support is configured in Galaxy to send help requests to support.sigenae@inrae.fr
Use this address to contact us in case of problems

How to cite use of our Galaxy instance?

Depending on the help provided you can cite us in acknowledgements, references or both. Examples:
Research teams can thank the Toulouse Midi-Pyrenees bioinformatics platform and Sigenae group, using in their publications the following sentence:
"We are grateful to the genotoul bioinformatics platform Toulouse Midi-Pyrenees and Sigenae group for providing help and/or computing and/or storage resources thanks to Galaxy instance <https://vm-galaxy-prod.toulouse.inra.fr>".
In cases of collaboration, you can directly quote the person who participated to the project, contact him to have his accurate contact details for quote.
References: X. SIGENAE [<http://www.sigenae.org/>]

The main changes are:

- new version of Galaxy server: 21.05
- reorganization and cleaning of tool list with recent versions
- submit jobs on the new Slurm HPC cluster, using connected Galaxy user's account and CPU quota.
- new storage volume for Galaxy datasets, with a quota of 250GB per user

History

Rechercher des données

Unnamed history

(empty)

Cet historique est vide. You can Charger vos propres données or Charger des données depuis une source externe

Exemple of Galaxy platforms

The screenshot displays the Galaxy France web interface. The top navigation bar includes links for Workflow, Visualize, Données partagées, Aide, and Utilisateur. The left sidebar contains a 'Tools' section with a search bar and an 'Upload Data' button, followed by categories like 'Get Data', 'Collection Operations', 'GENERAL TEXT TOOLS', 'METAGENOMICS', 'STATISTICS AND VISUALISATION', and 'WORKFLOWS'. The main content area features a 'Welcome to metabarcoding.usegalaxy.fr' message, a notification about the release 21.09 update, and a 'Hosted by:' section listing supporting organizations. The right sidebar shows a 'History' section with a search bar and a list of recent jobs, including 'test ITS' and various FROGSSTAT analyses.

Galaxy France

Workflow Visualize Données partagées Aide Utilisateur Using 0%

Tools

search tools

Upload Data

Get Data

Collection Operations

GENERAL TEXT TOOLS

Text Manipulation

Join, Subtract and Group

FASTA/FASTQ

FASTQ Quality Control

METAGENOMICS

DADA2

FROGS

QIIME

Obitools

PICRUSt

Mothur

STATISTICS AND VISUALISATION

Graph/Display Data

Interactive Tools

WORKFLOWS

All workflows

Welcome to
metabarcoding.usegalaxy.fr

13/01/2022: usegalaxy.fr is now running the **release 21.09** of Galaxy. Please check the [21.09 user release notes](#).

Hosted by:

The Galaxy Project is supported in part by NSF, NHGRI, The Huck Institutes of the Life Sciences, The Institute for CyberScience at Penn State, and Johns Hopkins University.

History

Rechercher des données

test ITS

42 shown, 10 deleted

276.74 MB

52: FROGSSTAT Deseq2 Visualisation: report.nb.html

49: FROGSSTAT Deseq2 Preprocess: dds.Rdata

48: FROGSSTAT Phyloseq Multivariate Analysis Of Variance: manova.nb.html

47: FROGSSTAT Phyloseq Structure Visualisation: structure.nb.html

46: FROGSSTAT Phyloseq Sample Clustering: clustering.nb.html

45: FROGSSTAT Phyloseq Beta Diversity: beta_diversity.nb.html (wunifrac.tsv)

44: FROGSSTAT Phyloseq Beta Diversity: beta_diversity.nb.html (unifrac.tsv)

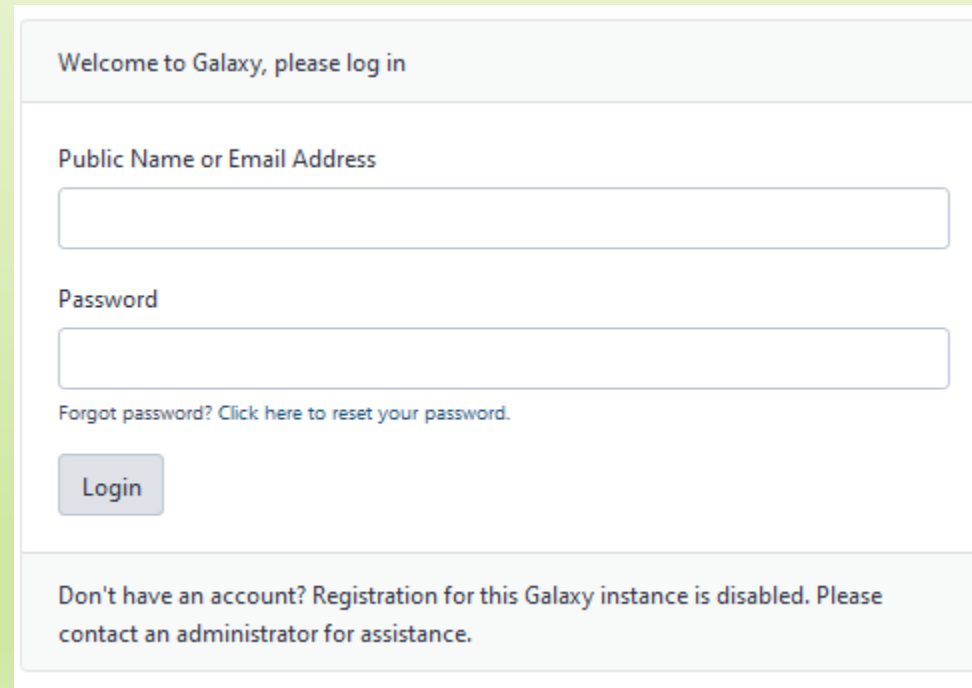
43: FROGSSTAT Phyloseq

Practice:

CONNECT TO GALAXY WORKBENCH

Exercise

- Go to <https://metabarcoding.usegalaxy.fr>
- Enter your login and your password



>Welcome to Galaxy, please log in

Public Name or Email Address

Password

Forgot password? [Click here to reset your password.](#)

Login

Don't have an account? Registration for this Galaxy instance is disabled. Please contact an administrator for assistance.

Galaxy France

WorkflowVisualisationToolsMain MenuAideUtilisateur

Using 0%

Tools

search tools

Upload Data

FROGS

FROGS Demultiplex reads

Attribute reads to samples in function of inner barcode.

FROGS Pre-process

merging, denoising and dereplication.

FROGS Clustering swarm

Single-linkage clustering of OTUs based on abundance.

FROGS Remove chimera

Remove PCR chimera from OTUs.

FROGS OTU Filters

Filters OTUs on several criteria.

FROGS ITSx

Extract the highly variable ITS1 and ITS2 subregions from ITS sequences.

FROGS Affiliation OTU

Taxonomic affiliation of each OTU's seed by RDP tools and BLAST

FROGS Abundance normalisation

Optional step to resolve inclusive amplicon ambiguities and to aggregate OTUs based on alignment metrics

FROGS Pre-process

merging, denoising and dereplication. (Galaxy Version 3.2.3+galaxy2)

Sequencer

Illumina

Select the sequencing technology used to produce the sequences.

Input type

Files by samples

Samples files can be provided in a single TAR archive or sample by sample (with one or two files each).

Are reads already merged ?

No

The inputs contain 1 file by sample : R1 and R2 pair are already merged in one sequence.

Samples

1: Samples

Name

The sample name.

! Please provide a value for this option.

Reads 1

No fastq dataset available.

Reads 2

No fastq dataset available.

History

Rechercher des données

165

2 shown

34.86 MB

2: chaillou_withprimers_64renamedsamples_V1V3_10000seq_R1R2.tar.gz

1: metadata_chaillou.tsv

DATASETS

HISTORY

This is your working environment for analysing your data

13

Vocabulary of Galaxy

- **Tools:**

- A tool has a function which is explained when you click on it.
- Each Galaxy platform has its own tools.

- **Datasets:**

- A dataset is a file, uploaded to Galaxy by you or produced by a tool.
- Be careful: a dataset has a datatype.

- **Histories:**

- A tool generates datasets and these datasets are stored in the current history.
- Everything is permanently saved.
- If you log off your computer or browser, it's ok, everything will keep running and be saved!

Pratice:

DISCOVER GALAXY

Exercise

1. Visit the Galaxy Platform.
2. Look at the tool list.
3. Display only FROGS tools.
4. Display all tools concerning fastq files.

Galaxy France Workflow Visualize Données parta

Tools

search tools

Show panel options

Upload Data

FROGS_0 Demultiplex reads
Attribute reads to samples in function of inner barcode

FROGS_1 Pre-process merging, denoising and dereplication

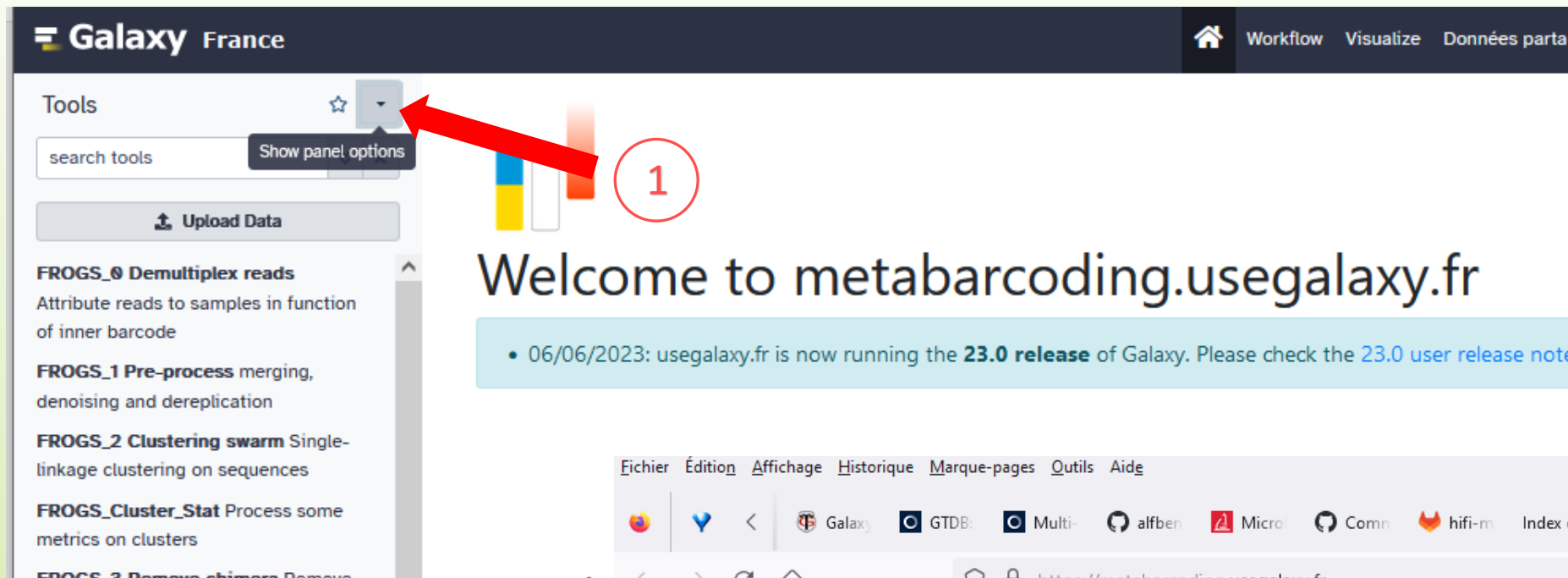
FROGS_2 Clustering swarm Single-linkage clustering on sequences

FROGS_Cluster_Stat Process some metrics on clusters

FROGS_3 Remove chimera Remove

Welcome to metabarcoding.usegalaxy.fr

• 06/06/2023: usegalaxy.fr is now running the **23.0 release** of Galaxy. Please check the [23.0 user release note](#)



Fichier Édition Affichage Historique Marque-pages Outils Aide

Galaxy GTDB Multi- alfben Micro Comn hifi-m Index of /f Jaweb auth0.ope EZ

https://metabarcoding.usegalaxy.fr

Les plus visités 22 02 Messagerie #Temps Galaxy-Prod Galaxy-dev Galaxy | France GitHub FROGS: home FROGS - Hac

Galaxy France Workflow Visualize Donn

Tools

Full Tool Panel

...by Ontology

EDAM Operations

EDAM Topics

Metabarcoding: FROGS

✓ **Metabarcoding: FROGS 4.1.0**

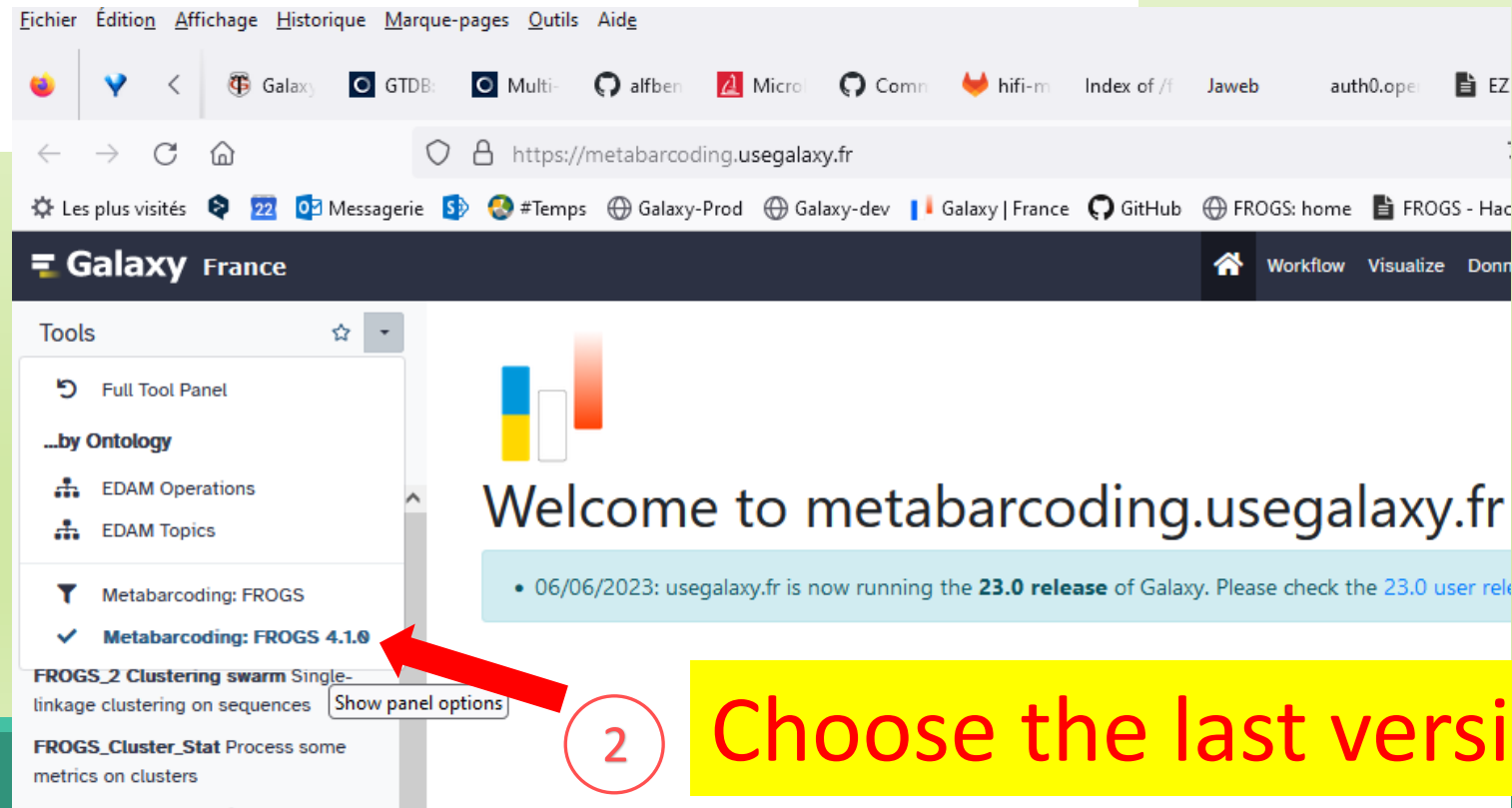
FROGS_2 Clustering swarm Single-linkage clustering on sequences

FROGS_Cluster_Stat Process some metrics on clusters

Show panel options

Welcome to metabarcoding.usegalaxy.fr

• 06/06/2023: usegalaxy.fr is now running the **23.0 release** of Galaxy. Please check the [23.0 user rel](#)



Choose the last version 4.1.0

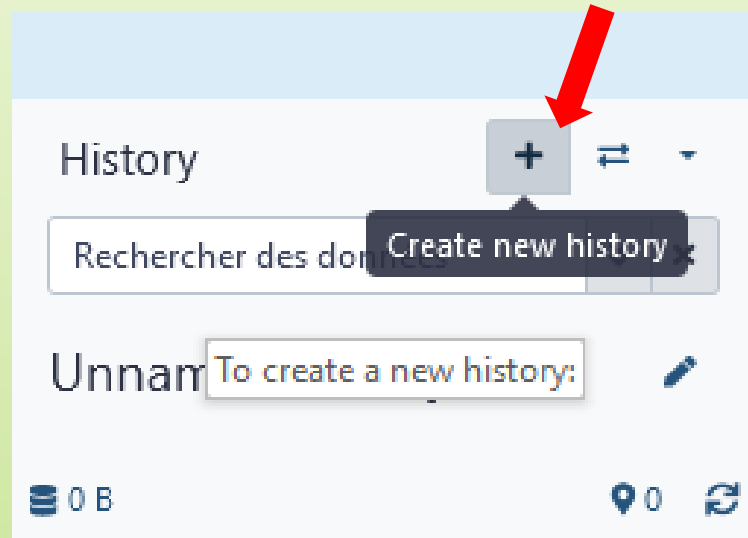
Manipulate Histories

Practice:


CREATE THE NECESSARY HISTORY FOR FROGS TRAINING

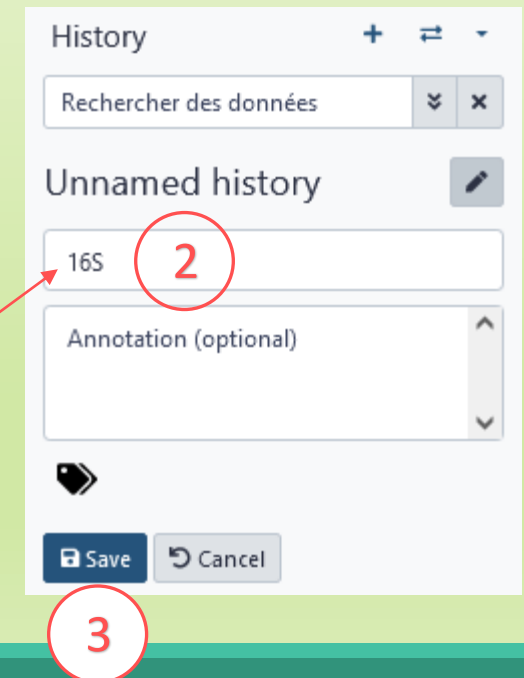
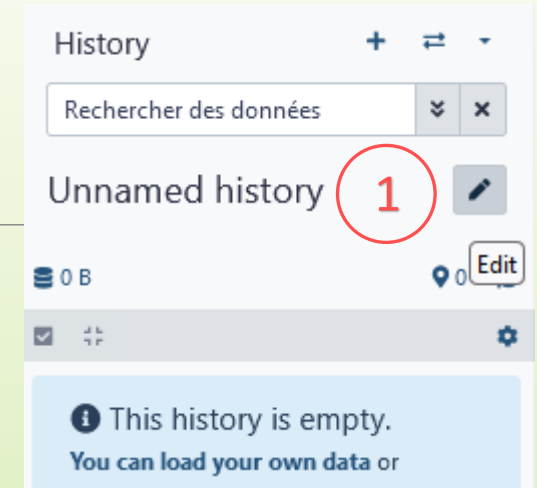
To create a new history:

- Click on the plus.



To rename a history:

- Click on the pen  next to “Unnamed history” (top right).
- Enter « 16S ».
- Hit « Enter » to validate.



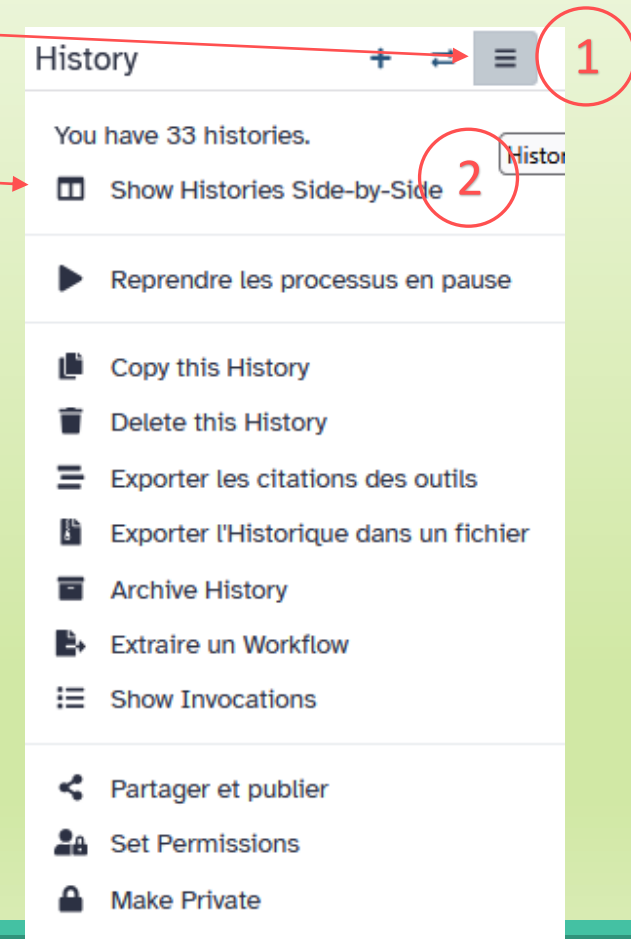
Don't use special
characters or
accents!

Exercise

- Create another history as before with 16S. This new history will be named **ITS**

How to list all histories?

1. To view all histories, click on this arrow
2. And click on



Explore the
« View all
histories »
section

History Multiview

Recent Select

.fasta

Switch to Hide

ITS March 2024

last edited 7 months ago

202 MB 32 3

20: FROGS ITSx: ITS
_sequence.fasta

19: FROGS ITSx: non
ITS_sequence.fasta

16: FROGS_4 Cluster
filters: clusterFilters
_sequences.fasta

11: FROGS_3 Remove
chimera: non_chimer
a.fasta

7: FROGS_2 Clusterin
g swarm: seed_sequ
ences.fasta

4: FROGS_1 Pre-proc
ess: dereplicated.fas
ta

Switch to Hide

16S March 2024

last edited

336 MB

71: FROGSF
nctions: frogsfunc_fu
nctions_asv.fasta

65: FROGSFUNC_1_pl
aceseqs_and_copynu
mbers: frogsfunc_pla
ceseqs.fasta

14: FROGS_4 Cluster
filters: clusterFilters
_sequences.fasta

9: FROGS_3 Remove
chimera: non_chimer
a.fasta

5: FROGS_2 Clusteri
ng swarm: seed_seq
uences.fasta

2: FROGS_1 Pre-proc
ess: dereplicated.fas
ta

Create and pin new history

Select histories

Search dataset among displayed history by keywords

Switch to pass this history as your current history

Search among all your histories

Choose your current history

1. To work on the good histories, navigate thanks to the sidebar

OR

The screenshot shows the Galaxy France web interface. On the left is a vertical sidebar with icons for Upload, Tools, Workflows, Workflow Invocations, Visualization, Histories, History Multiview, Datasets, Pages, Libraries, and Notifications. Red arrows point to the 'Histories' and 'History Multiview' options. The main content area is titled 'Select Histories' and features a search bar containing the text 'ITS'. Below the search bar, a list of history items is displayed, each with a title, item count, and time since creation. A red arrow points from a text box to the search bar.

History Name	Items	Time
ITS March	35 items	7 months ago
ITS octobre 2024	1 items	7 months ago
ITS for workflow	35 items	about 1 year ago
ITS_Formation_2023_...	63 items	about 1 year ago
ITS	2 items	about 1 year ago
ITS October 2023	29 items	about 1 year ago
ITS_Formation_2023_...	60 items	over 1 year ago
ITS_Formation_2023_...	62 items	over 1 year ago
ITS_Formation_exclu...	46 items	over 1 year ago
test ITS	54 items	almost 3 years ago

You can search by keywords

Data import

How to import your data to Galaxy ?

- Several ways to upload your data to Galaxy:

- From your computer



drag-and-drop files

- By URL



Paste an url










- Shared by other users of Galaxy



Formation data

- All the training data are online on:
https://web-genobioinfo.toulouse.inrae.fr/~formation/15_FROGS/Webinar_data/

Index of /~formation/15_FROGS/Webinar_data

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory	-	-	-
 replicate information chaillou.tsv	21-Mar-2021 15:34	35M	
 metadata chaillou.tsv	31-Mar-2023 10:50	310	
 chaillou withprimers 64renamedsamples V1V3 10000seq R1R2.tar.gz	31-Mar-2023 10:50	1.4K	
 ITS fast replicates.tsv	31-Mar-2023 10:50	54M	
 ITS fast metadata.tsv	11-Mar-2021 16:01	1.5M	
 ITS fast.tar.gz	05-Apr-2023 10:55	502K	
 How to put your data on genotoul server.pdf			
 How create an archive.pdf			

Datasets for 16S history

Datasets for ITS history

All samples are in
archive .tar.gz

Remark: how create an archive ?

Not for this session, but for your own data, it will be important to know how create an archive.

To learn how create an archive

https://web-genobioinfo.toulouse.inrae.fr/~formation/15_FROGS/Webinar_data/How_create_an_archive.pdf

Create an archive is
always possible !
It is our recommendation.

Practice: 16S history

UPLOAD FILE FROM AN URL

How to import your data to Galaxy ?

- Several ways to upload your data to Galaxy:

- From your computer

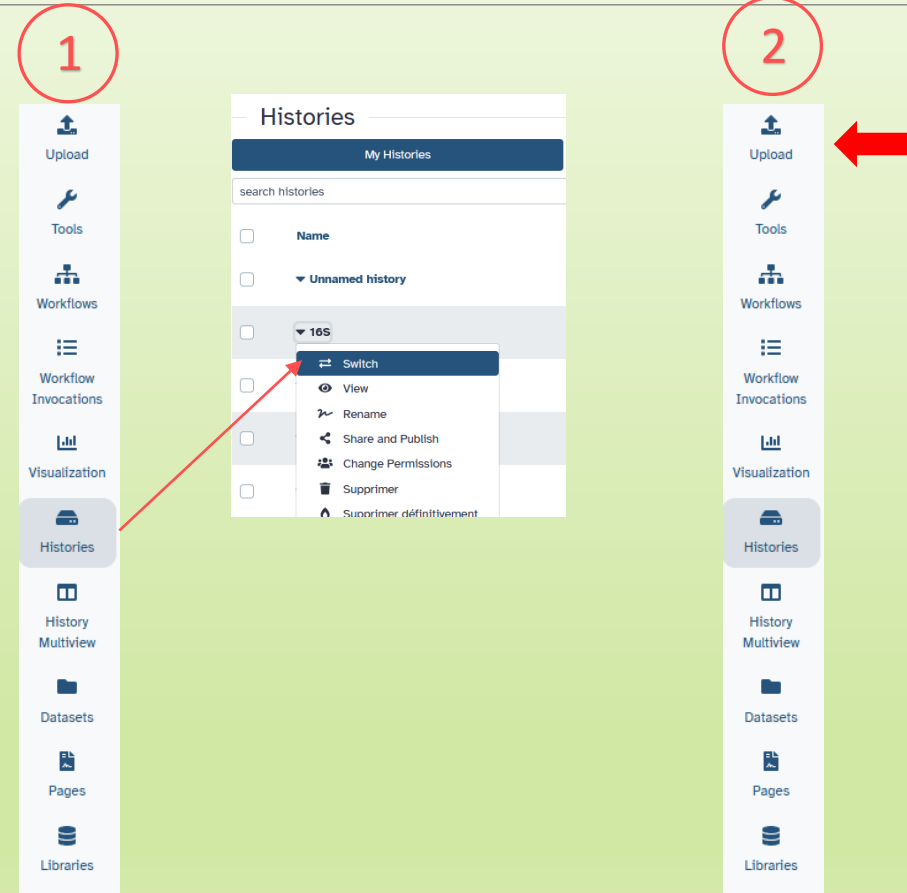


- By URL



16S history creation

1. In your current history “16S” (If it not the case, switch to 16S history)
2. Go to **Upload Data** on the left panel



16S history creation

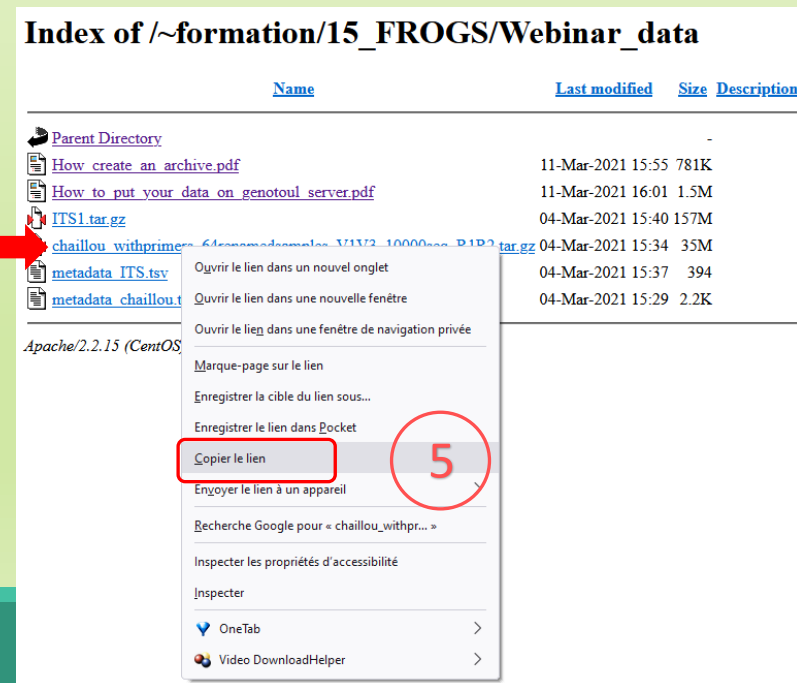
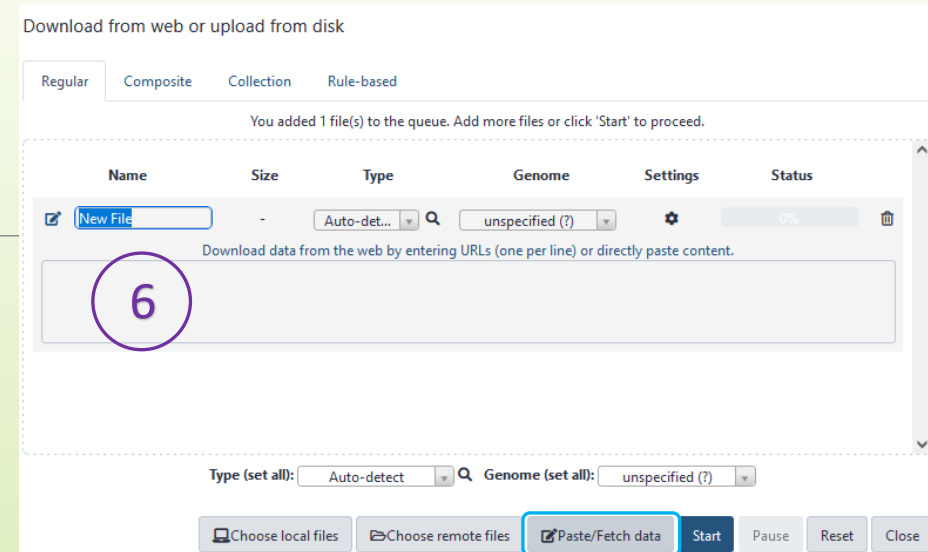
3. Click on **Paste/Fetch Data**

4. Collect your data address on
https://web-genobioinfo.toulouse.inrae.fr/~formation/15_FROGS/Webinar_data/


Click right on the name file

5. Copy the address of the link

6. Paste the link in the grey window










16S history creation

7.  Change the data type!

8. Click on Start

9. Start again with the file
metadata_chaillou.tsv

Index of /~formation/15_FROGS/Webinar_data





	Name	Last modified	Size
	Parent Directory	-	-
	How create an archive.pdf	11-Mar-2021 15:55	781K
	How to put your data on genotoul server.pdf	11-Mar-2021 16:01	1.5M
	ITS1.tar.gz	04-Mar-2021 15:40	157M
	chaillou withprimers 64renamedsamples V1V3 10000seq R1R2.tar.gz	04-Mar-2021 15:34	35M
	metadata ITS.tsv	04-Mar-2021 15:37	36K
	metadata chaillou.tsv	04-Mar-2021 15:29	2.2K

Remember to
change your
data type to TSV

Upload from Disk or Web to 16S

Regular Composite Collection **Rule-based**




You added 1 file(s) to the queue. Add more files or click 'Start' to proceed.

 New File 138 b tar.gz  unspecified (?)  0% 

Download data from the web by entering URLs (one per line) or directly paste content.

genobioinfo.toulouse.inrae.fr/~formation/15_FROGS/Webinar_data/chaillou_withprimers_64renamedsamples_V1V3_10000seq_R1R2.tar.gz

Type (set all): Auto-detect Reference (set all): unspecified (?)

 Choose local file  Choose remote files  Paste/Fetch data **Start** Pause Reset Close

Share a History

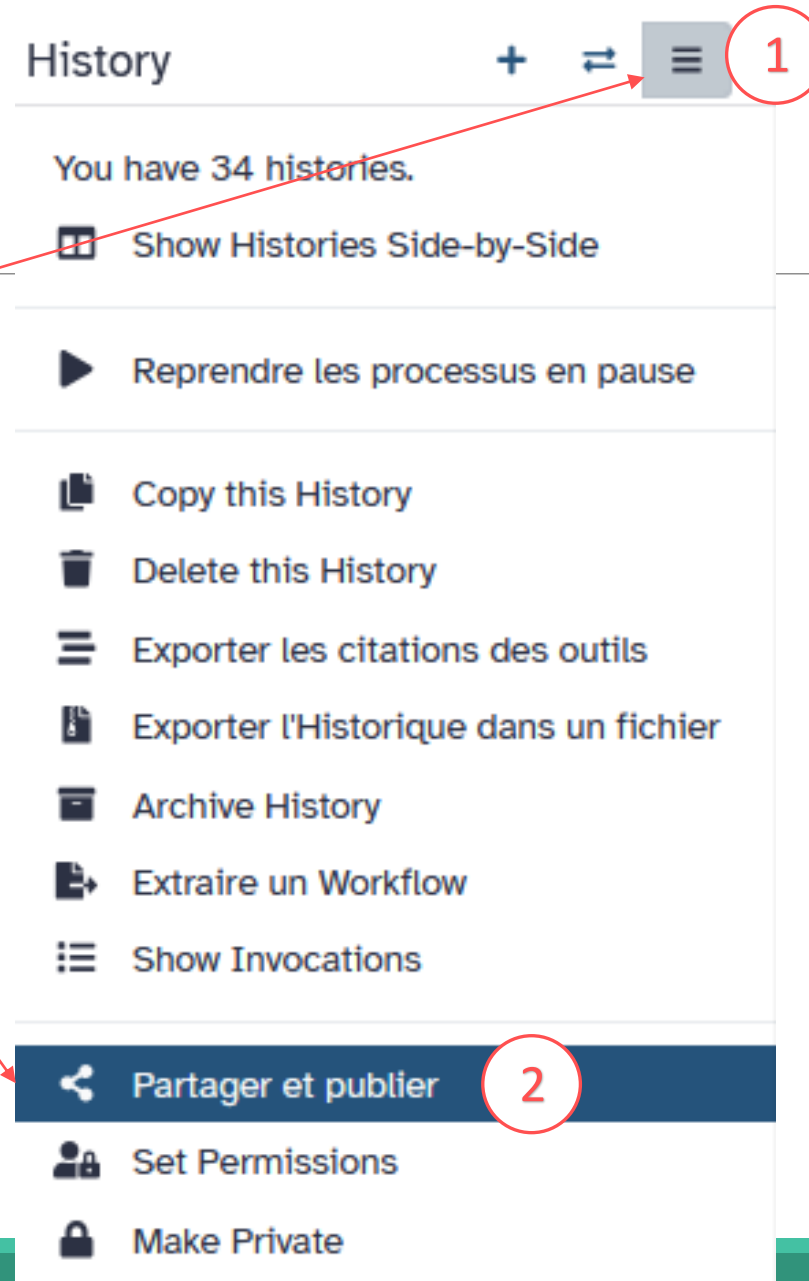
Share a history

- You can share a history with another Galaxy user:
 - For working with your colleague.
 - For support, so we can help you better and faster.
- You can import shared history to your account too.

Share a history

To share an history

1. Click on this arrow
2. Click on share and publish



Share a history

Share or Publish History `test frogs sans clustering`

☐ Make History accessible

Access to this History is currently restricted so that only you and the users listed below can access it. Note that sharing a History will also allow access to all of its

To share click on and enter a user

Share History with Individual Users ▼

The following users will see this History in their History list and will be able to view, import and run it.

lucas.auer@inrae.fr ✕

Cancel Save

To unshare click on the cross

History + ⇌ ▼

Rechercher des données ▼ ✕

test FROGSFUNC ✎

8.64 MB 11 ↻

☑ 4+ ⚙

11 : FROGSFUNC_step2_cop 👁 ✎ 🗑
ynumbers: frogsfunc_copyn
umbers_marker.tsv

10 : FROGSFUNC_step2_co 👁 ✎ 🗑
pynumbers: frogsfunc_copy
numbers_predicted_funcio
ns.tsv

Share a history

Share or Publish History `test frogs sans clustering`

- ☒ Make History accessible
- ☐ Make History publicly available in Published Histories

to make your history public and visible
to the whole world, click here

This History is currently **accessible via link**.

Anyone can view and import this History by visiting the following URL:

  url: <https://metabarcoding.usegalaxy.fr/u/geraldine.pascal/h/test-frogs-sans-clustering>

Practice: share a history

SHARE 16S AND ITS HISTORIES WITH TRAINERS

Share your data with us



- When your history “16S” is ready and contains the 2 files
 1. chaillou_withprimers_64renamedsamples_V1V3_10000seq_R1R2.tar.gz
 2. metadata_chaillou.tsv
- Then share with `lucas.auer@inrae.fr` `geraldine.pascal@inrae.fr`
- Start again with the “ITS” history
- Contact us by email frogs-training@inrae.fr when it is done.

Other useful things

Import a shared history

The screenshot shows the Galaxy France interface. A sidebar on the left contains navigation icons for Upload, Tools, Workflows, Workflow Invocations, Visualization, Histories, History Multiview, Datasets, Pages, and Libraries. A blue box with the text 'Click here' and a red arrow points to the 'Histories' icon. The main content area is titled 'Histories' and has a dark header bar with the Galaxy logo and 'France'. A blue box with 'Click here' and a red arrow points to the 'Shared with Me' tab. The 'Shared with Me' tab is active, displaying a table of shared histories. The table has columns for Name, Size, Tags, Created, Updated, and Username. The data is as follows:

Name	Size	Tags	Created	Updated	Username
▼ Test	2.1 GB	26 3	3 months ago	2 months ago	mpomies
▼ Echantillon avec longues séquences	2.3 GB	7	3 months ago	3 months ago	mpomies
▼ African wolf samples 12S	940.8 MB	25 46	over 1 year ago	3 months ago	philippe-gaubert
▼ ITS	197.0 MB	34 3	7 months ago	6 months ago	p_hubner
▼ 16S	34.9 MB	2 1	7 months ago	6 months ago	gabrielle_dslds
▼ ITS	107.2 MB	5 4	7 months ago	6 months ago	florence_mouchet
▼ ITS	197.4 MB	33 2	7 months ago	6 months ago	gabrielle_dslds
▼ 16S	34.9 MB	2 1	7 months ago	6 months ago	tom_bartier
▼ ITS	54.0 MB	2 2	7 months ago	6 months ago	bruno

Upload

Tools

Workflows

Workflow Invocations

Visualization

Histories

+ Import History

My HistoriesShared with MePublic HistoriesArchived Histories

search histories

Name	Size	Tags	Created	Updated ▾	Username
▼ Test	2.1 GB 26 3		3 months ago	2 months ago	mpomies
▼ Echantillon avec longues séquences	2.3 GB 7		3 months ago	3 months ago	mpomies
▼ ...	940.8 MB 25 46		over 1 year ago	3 months ago	philippe-gaubert

- Click on the name and click on « View » to see an history into your Galaxy account.

The person who shared the history.

Import this history

search datasets

Echantillon avec longues séquences

2.51 G

Click on « Import this history » to copy this history into your Galaxy account.

7: FROGS_1

6: FROGS_1 Pre-process: count.tsv

5: FROGS_1 Pre-process: dereplicated.fasta

4: FROGS_1 Pre-process: report.html

3: FROGS_1 Pre-process: count.tsv

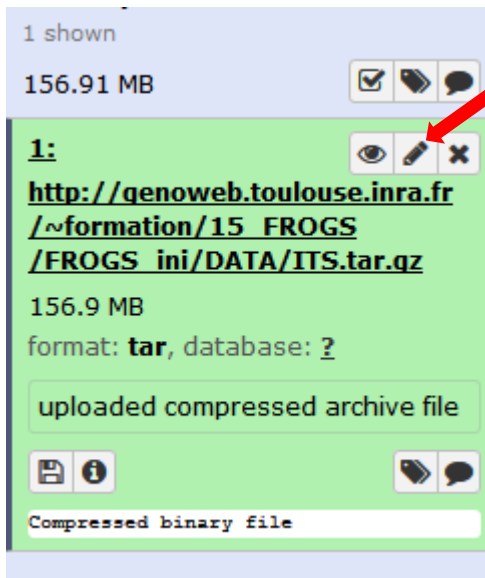
2: FROGS_1 Pre-process: dereplicated.fasta

1: archive.tar

How manipulate datasets

To rename a dataset

Click here to display attributes and change the name.



To rename a dataset

Change the name here

Modifier les attributs du jeu de données

Attributes Datatypes Permissions

Name

chaillou_withprimers_64renamedsamples_V1V3_10000seq_R1R2.tar.gz

Info

uploaded tar.gz file

Annotation - optional

Add an annotation or notes to a dataset; annotations are available when a history is viewed.

Database/Build - optional

unspecified (?)

Save Auto-detect

To change the datatype

— Modifier les attributs du jeu de données —



≡ Attributes **Datatypes** 👤 Permissions

Assign Datatype

New Type

tar.gz

This will change the datatype of the existing dataset but not modify its contents.


 Save  Auto-detect

Convert to Datatype

Target datatype










directory (using 'Unpack archive to directory')

This will create a new dataset with the contents of this dataset converted to a new format.

 Create Dataset

If you put the wrong datatype in during the upload, you can change it here.

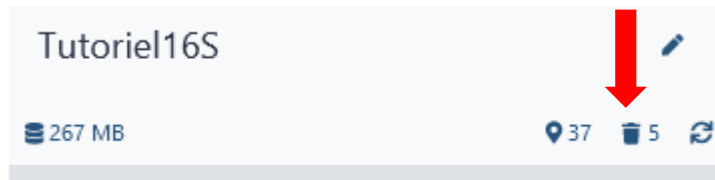
To delete a dataset

42 : FROGS BIOM to TSV: abundance.tsv	  
41 : FROGS Affiliations stat: report.html	  
40 : cleaned_biom-2023-02-13.biom	  

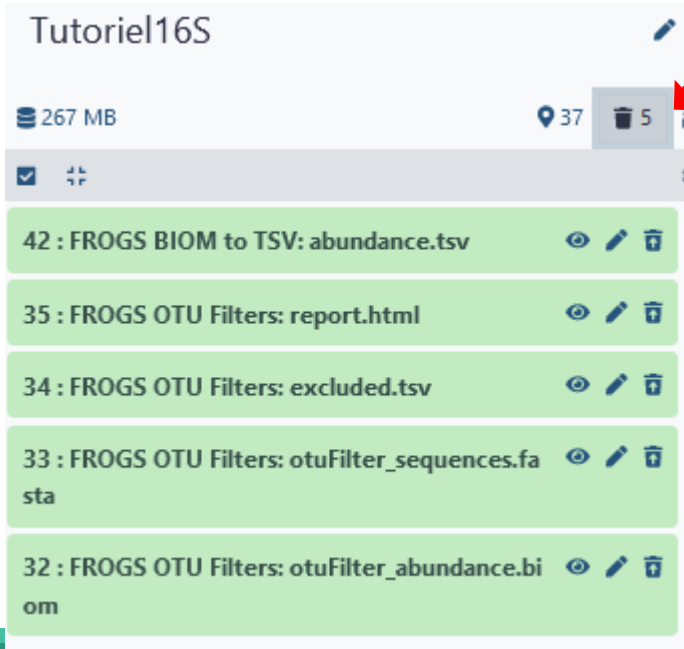


Click here to delete a dataset.

To see deleted dataset

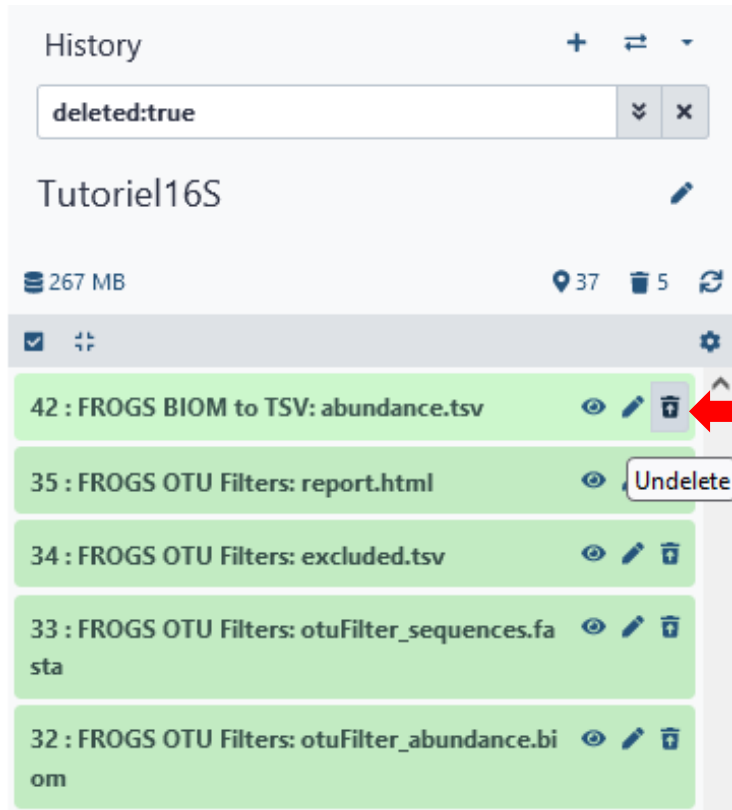


Click here to see the deleted dataset.



Here the complete list of the deleted dataset.

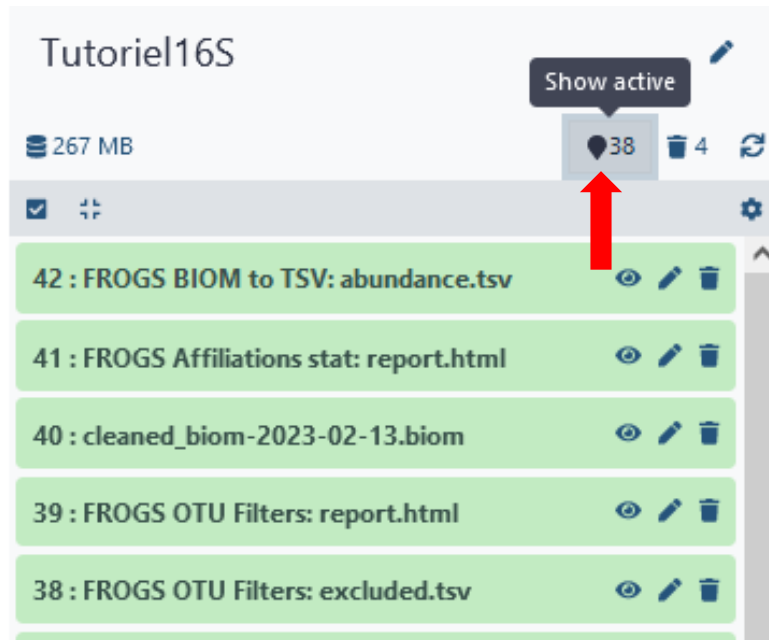
To undelete dataset



Click here and this file return into the history

Nothing is deleted in Galaxy until you delete it permanently (=purge).

To undelete dataset



Click here to see again your active history

How to cite Galaxy workbench?

For Genotoul Bioinfo:

- Research teams can thank the Toulouse Occitanie bioinformatics platform and Sigenae group, using in their publications the following sentence : " We are grateful to the genotoul bioinformatics platform Toulouse Occitanie (Bioinfo Genotoul, doi: 10.15454/1.5572369328961167E12) and Sigenae group for providing help and/or computing and/or storage ressources thanks to Galaxy instance <http://sigenae-workbench.toulouse.inra.fr>".
- In cases of collaboration, you can directly quote the person who participated to the project : Name, Sigenae group, GenPhySE, INRAE Auzeville CS 52627 31326 Castanet Tolosan cedex.

For IFB:

- We are grateful to the Institut Français de Bioinformatique (ANR-11-INBS-0013) for providing help and/or computing and/or storage resources.

For Migale:

- Research teams that have used Migale services are expected to thank the Migale bioinformatics facility in the publications of their analyses with the following sentence: "We are grateful to the INRAE MIGALE bioinformatics facility (MIGALE, INRAE, 2020. Migale bioinformatics Facility, doi: 10.15454/1.5572390655343293E12) for providing help and/or computing and/or storage resources"
- In cases of collaboration, you can directly quote the person who participated to the project with the two following affiliations: Université Paris-Saclay, INRAE, MaIAGE, 78350, Jouy-en-Josas, France Université Paris-Saclay, INRAE, BioinfOmics, MIGALE bioinformatics facility, 78350, Jouy-en-Josas, France

Thank you for following this first step, see you on Monday 12 May!

YOUR TRAINERS:
GÉRALDINE & LUCAS

