UseGalaxy.fr

a Galaxy server for the French bioinformatics community

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Introduction

Galaxy is an open source web-based interactive data analysis platform that supports defining and executing workflows.

Jobs are executed on HPC infra.

Tools List   Tool Forms/Result Viewer   History

Introduction

FAIR Data analysis :

→ **Accessibility**
- ◆ no CLI or programming needed
- ◆ but possible

→ **Reproducibility**
- ◆ capturing information about every step

→ **Transparency**
- ◆ everything can be shared to anyone

Severals ways to access and manage :

→ **Workflows**
- ◆ Create from scratch
- ◆ Extract from history
- ◆ Editor
- ◆ Status tracker
- ◆ Markdown report

→ **Data**
- ◆ Data Libraries
- ◆ FTP
- ◆ Drag&Drop
- ◆ Histories

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Currently

Early 2023

	Currently	Early 2023
nodes	81 nodes	97 nodes
cpu threads	4300 cpu threads	8396 cpu threads
RAM	20 TB RAM	52 TB RAM
storage	2 PB storage	4 PB storage
GPU	6 GPU cards NVidia A100	

The IFB Core Cluster Transversal Team:
15 mutualized engineers from 7 IFB platforms ~ 4.0 FTE

General Metrics

1 million jobs in one year

2700 subscribers - 1351 active users in one year

1850 tools

- General Text Tools
- Genomic File Manipulation
- Common Genomics Tools
- Genomics Analysis
- Genomics Toolkits
- Metagenomics

- Workflow4Metabolomics
- ProteoRE
- Galaxy-P
- Galaxy-E
- Statistics and Visualisation
- Miscellaneous Tools

Tools

search tools

⬆ Upload Data

Phenotype Association

GENOMICS TOOLKITS

Picard

deepTools

Gemini

EMBOSS

Searching tools

RAD-seq

Trinity

METAGENOMICS

Metagenomic Analysis

DADA2

FROGS

Qiime

Obitools

PICRUSt

Mothur

Virology

WORKFLOW4METABOLOMICS

Get Data - Metabolomics

Preprocessing LCMS

Preprocessing FIAMS

JOBI

Focus on your analysis

- Personalized welcome page
- Filtered tool list

5 sub-domains | <sub-domain>.usegalaxy.fr

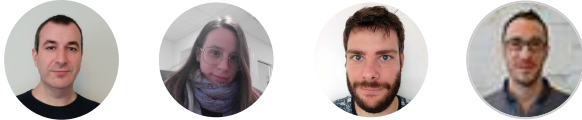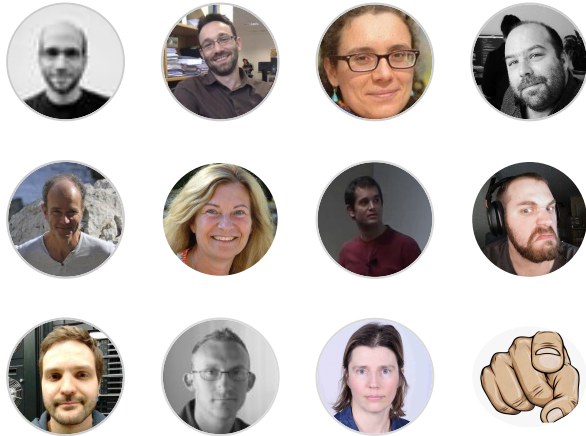ecology

metabarcoding

proteore

covid19

workflow4metabolomics

Your project

Your community

Featuring The IFB Core Cluster team

Featuring The Galaxy Community

community.france-bioinformatique.fr

Need help
Give help