



**HAL**  
open science

## Exploring the richness of the French Galaxy Ecosystem

Bérénice Batut, Gildas Le Corguillé, Yvan Le Bras, Loraine Brillet-Guéguen,  
Fabien Mareuil, Anthony Bretaudeau

► **To cite this version:**

Bérénice Batut, Gildas Le Corguillé, Yvan Le Bras, Loraine Brillet-Guéguen, Fabien Mareuil, et al..  
Exploring the richness of the French Galaxy Ecosystem. GCC 2024 - Galaxy Community Conference,  
Jun 2024, Brno, Czech Republic. , pp.1-1, 2024, 10.7490/f1000research.1119765.1 . hal-04644779

**HAL Id: hal-04644779**

**<https://hal.science/hal-04644779v1>**

Submitted on 11 Jul 2024

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution 4.0 International License

# Exploring the Richness of the French Galaxy Ecosystem

Bérénice Batut<sup>1,2</sup>, Gildas Le Corguillé<sup>1,3</sup>, Yvan Le Bras<sup>4</sup>, Loraine Brillet-Guéguen<sup>3,5</sup>, Fabien Mareuil<sup>6</sup>, GT Galaxy, Anthony Bretaudeau<sup>7</sup>

Corresponding authors: berenice.batut@france-bioinformatique.fr, gildas.le-corguille@france-bioinformatique.fr, anthonybretaudeau@irisa.fr

<sup>1</sup>CNRS, Institut Français de Bioinformatique, IFB-Core, UAR 3602, <sup>2</sup>Plateforme A&E, Mésocentre Clermont-Auvergne, Université Clermont Auvergne, <sup>3</sup>Sorbonne Université, CNRS, FRAZz, ABIMS-IFB, Station Biologique, Roscoff, <sup>4</sup>Muséum national d'Histoire naturelle, UAR Patrimoine, Station Marine de Concarneau, FCNRS, Sorbonne Université, Laboratory of Integrative Biology of Marine Models, Station Biologique, Roscoff, <sup>5</sup>Institut Pasteur, Université Paris Cité, <sup>6</sup>Bioinformatics and Biostatistics Hub, <sup>7</sup>GenOuest, University of Rennes, INRIA, CNRS, IRISA

The French Bioinformatics Community has embraced Galaxy since its inception, with a pivotal moment being the Galaxy Tour de France led by Nate Coraor, Anton Nekrutenko, and James Taylor in 2012. This adoption has led to the establishment of over 10 Galaxy servers across France, catering to diverse local needs and specialized thematic areas such as ecology, biodiversity, NGS, proteomics, and more.

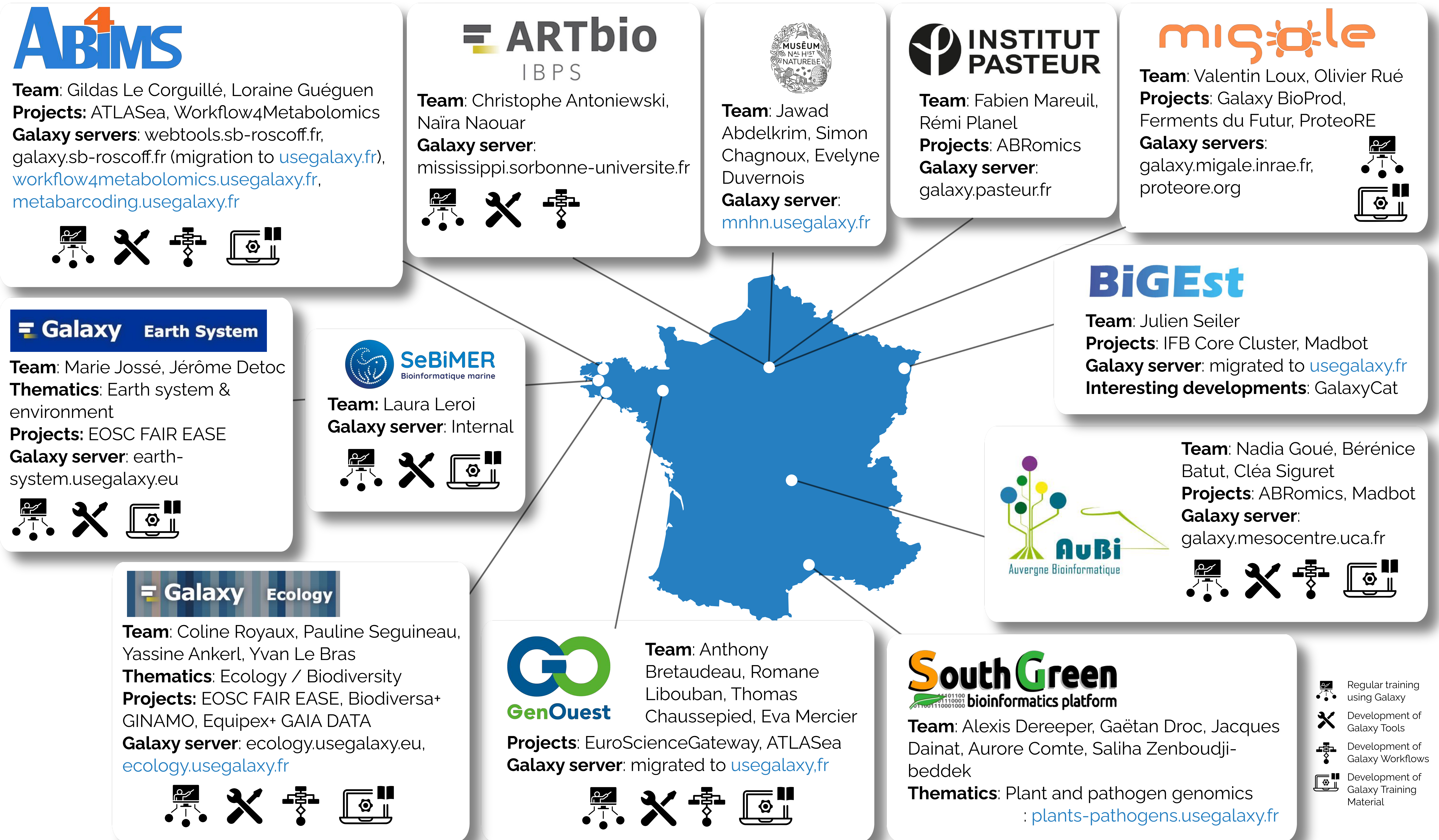
To foster cohesion and synergy within the community, a Galaxy Working Group led by the French Bioinformatics Institute facilitates regular interactions.

## Objectives:

1. Meeting every 2 months
2. Connect Galaxy users, developers, admins across France,
3. Share knowledge (ELIXIR, Galaxy Community, etc),
4. Support UseGalaxy.fr, and
5. Combat misconceptions about Galaxy within the French scientific community



Mailing list: [bit.ly/galaxy-gt](https://bit.ly/galaxy-gt)



- Regular training using Galaxy
- Development of Galaxy Tools
- Development of Galaxy Workflows
- Development of Galaxy Training Material

**Team**

**Projects:** ATLASea, ABRomics, Galaxy BioProd  
**Galaxy server:** [usegalaxy.fr](https://usegalaxy.fr)  
**Support:** [community.france-bioinformatique.fr](https://community.france-bioinformatique.fr)  
**GitLab:** [gitlab.com/ifb-elixirfr/usegalaxy-fr](https://gitlab.com/ifb-elixirfr/usegalaxy-fr)

**PULSAR**



**UseGalaxy.fr**

Launch: 2019

On the last year:

- 6.5k Users
- 4.5M Jobs
- 3k Active Users
- 1.5M+ Jobs

Host: Institut Français de Bioinformatique

- 1.7k+ Tools
- 20+ Interactive Tools
- 8.3k CPU Cores
- 52 TB of RAM
- GPU Cards

Domain-centric Galaxy subdomains: Workflow4Metabolomics, ProteoRE, Covid19, Metabarcoding, Met4J, MNHN, Ecology, Plants-Pathogens

TiaaS: Since February, 2022

Support

- 80 Events
- 1.9k+ taught Students
- Online by the community