

Exploring the Richness of the French Galaxy Ecosystem

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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:

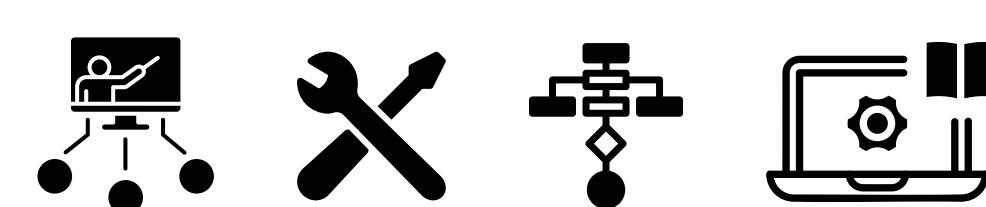
1. Meeting every 2 months
2. Connect Galaxy users, developers, admins across France,
3. Share knowledge (ELIXIR, Galaxy Community, etc),
4. Support UseGalaxy.fr, and
5. Combat misconceptions about Galaxy within the French scientific community



Mailing list: bit.ly/galaxy-gt

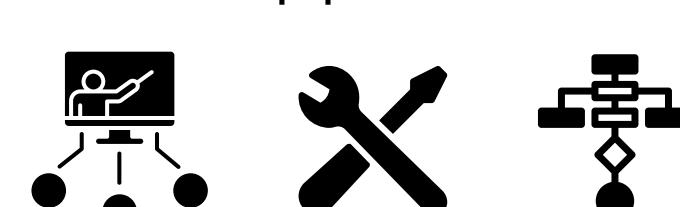
ABIMs

Team: Gildas Le Corguillé, Loraine Guéguen
Projects: ATLASea, Workflow4Metabolomics
Galaxy servers: webtools.sb-roscoff.fr, galaxy.sb-roscoff.fr (migration to usegalaxy.fr), workflow4metabolomics.usegalaxy.fr, metabarcoding.usegalaxy.fr



ARTbio IBPS

Team: Christophe Antoniewski, Naira Naouar
Galaxy server: mississippi.sorbonne-universite.fr



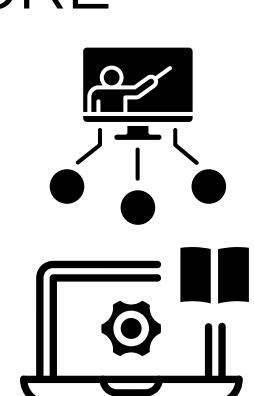
INSTITUT PASTEUR

Team: Fabien Mareuil, Rémi Planel
Projects: ABRomics
Galaxy server: galaxy.pasteur.fr



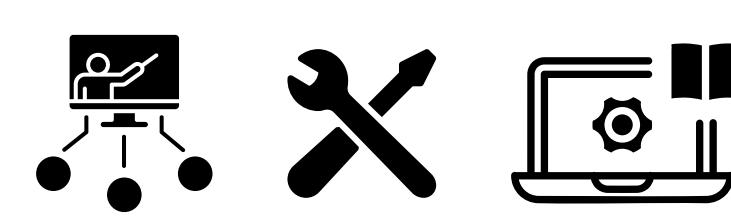
migale

Team: Valentin Loux, Olivier Rué
Projects: Galaxy BioProd, Ferments du Futur, ProteoRE
Galaxy servers: galaxy.migale.inrae.fr, proteore.org



Galaxy Earth System

Team: Marie Jossé, Jérôme Detoc
Thematics: Earth system & environment
Projects: EOSC FAIR EASE
Galaxy server: earth-system.usegalaxy.eu



SeBiMER Bioinformatique marine

Team: Laura Leroi
Galaxy server: Internal



BiGEst

Team: Julien Seiler
Projects: IFB Core Cluster, Madbot
Galaxy server: migrated to usegalaxy.fr
Interesting developments: GalaxyCat

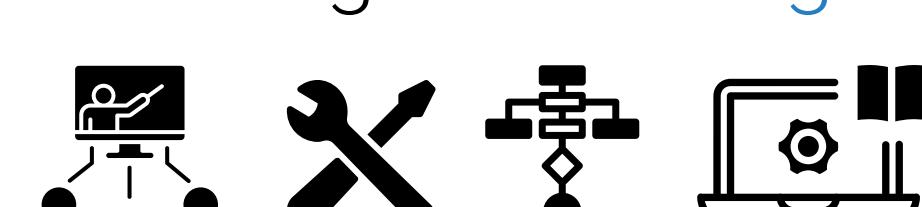
Galaxy Ecology

Team: Coline Royaux, Pauline Seguinéau, Yassine Ankerl, Yvan Le Bras
Thematics: Ecology / Biodiversity
Projects: EOSC FAIR EASE, Biodiversa+, GINAMO, Equipex+ GAIA DATA
Galaxy server: ecology.usegalaxy.eu, ecology.usegalaxy.fr



GO GenOuest

Team: Anthony Bretaudeau, Romane Libouban, Thomas Chaussepied, Eva Mercier
Projects: EuroScienceGateway, ATLASea
Galaxy server: migrated to usegalaxy.fr



SouthGreen bioinformatics platform

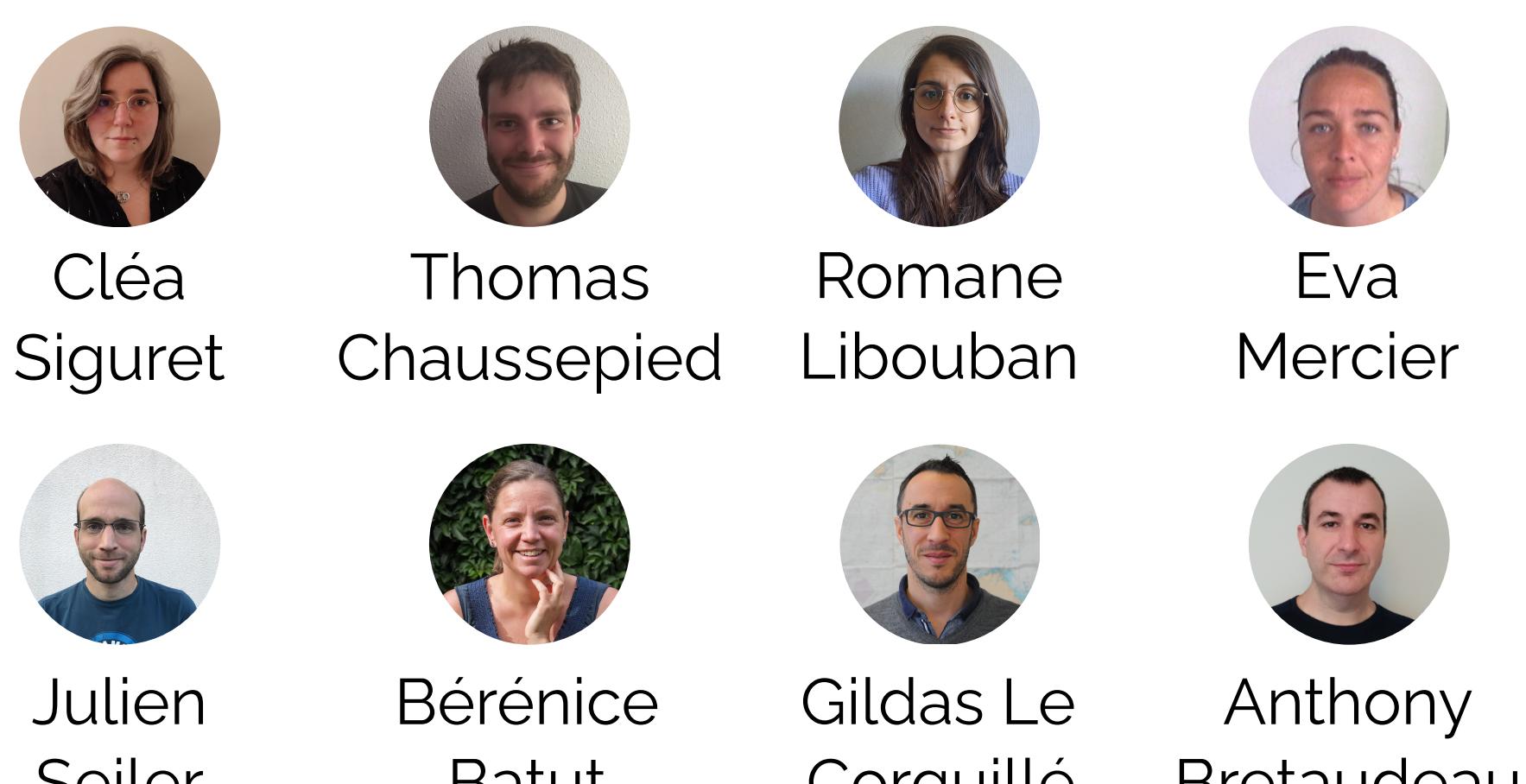
Team: Alexis Dereeper, Gaëtan Droc, Jacques Dainat, Aurore Comte, Saliha Zenboudji-Beddekk
Thematics: Plant and pathogen genomics
plants-pathogens.usegalaxy.fr

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

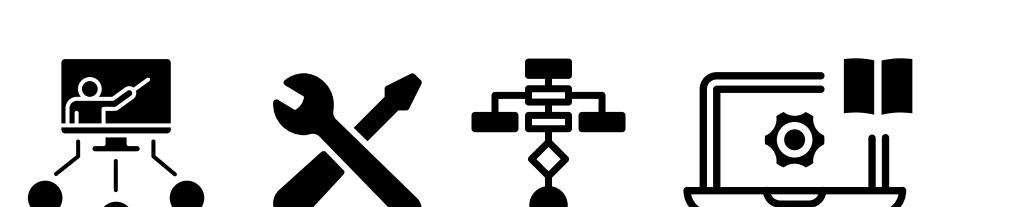
Team



INSTITUT FRANÇAIS DE BIOINFORMATIQUE



Projects: ATLASea, ABRomics, Galaxy BioProd
Galaxy server: usegalaxy.fr
Support: community.france-bioinformatique.fr
GitLab: gitlab.com/ifb-elixirfr/usegalaxy-fr



This poster



UseGalaxy.fr

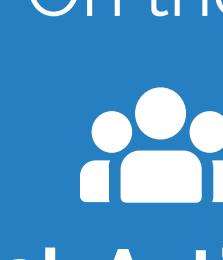
Launch: 2019



6.5k Users



4.5M Jobs



3k Active Users



1.5M+ Jobs

On the last year:

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



80 Events



1.9k+ taught Students

Support



Online by the community

Galaxy FRANCE



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