



Exploring the richness of the French Galaxy Ecosystem

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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:

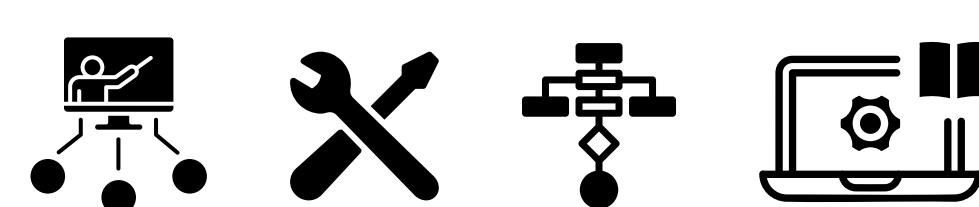
1. Meeting every 2 months
2. Connect Galaxy users, developers, admins across France,
3. Share knowledge (ELIXIR, Galaxy Community, etc),
4. Support UseGalaxy.fr, and
5. Combat misconceptions about Galaxy within the French scientific community



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



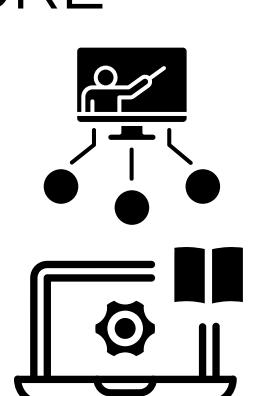
Team: Jawad Abdelkrim, Simon Chagnoux, Evelyne Duvernois
Galaxy server: mnhn.usegalaxy.fr

INSTITUT PASTEUR

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

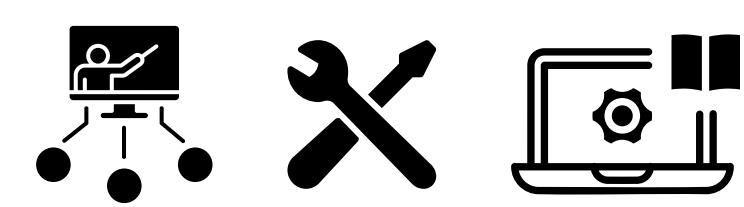
migale

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

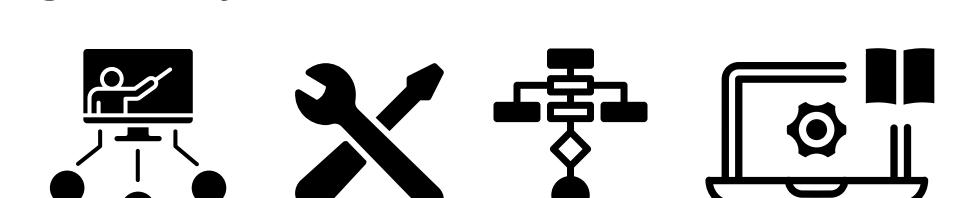
Team: Laura Leroi
Galaxy server: Internal



BiGEst

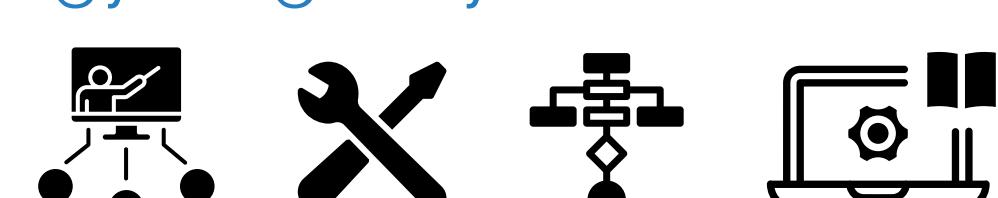
Team: Julien Seiler
Projects: IFB Core Cluster, Madbot
Galaxy server: migrated to usegalaxy.fr
Interesting developments: GalaxyCat

Team: Nadia Goué, Bérénice Batut, Cléa Siguret
Projects: ABRomics, Madbot
Galaxy server: galaxy.mesocentre.uca.fr



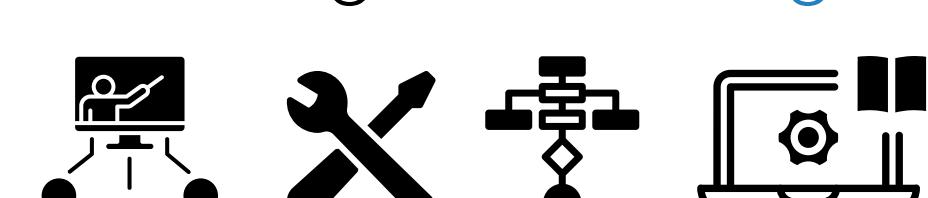
Galaxy Ecology

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

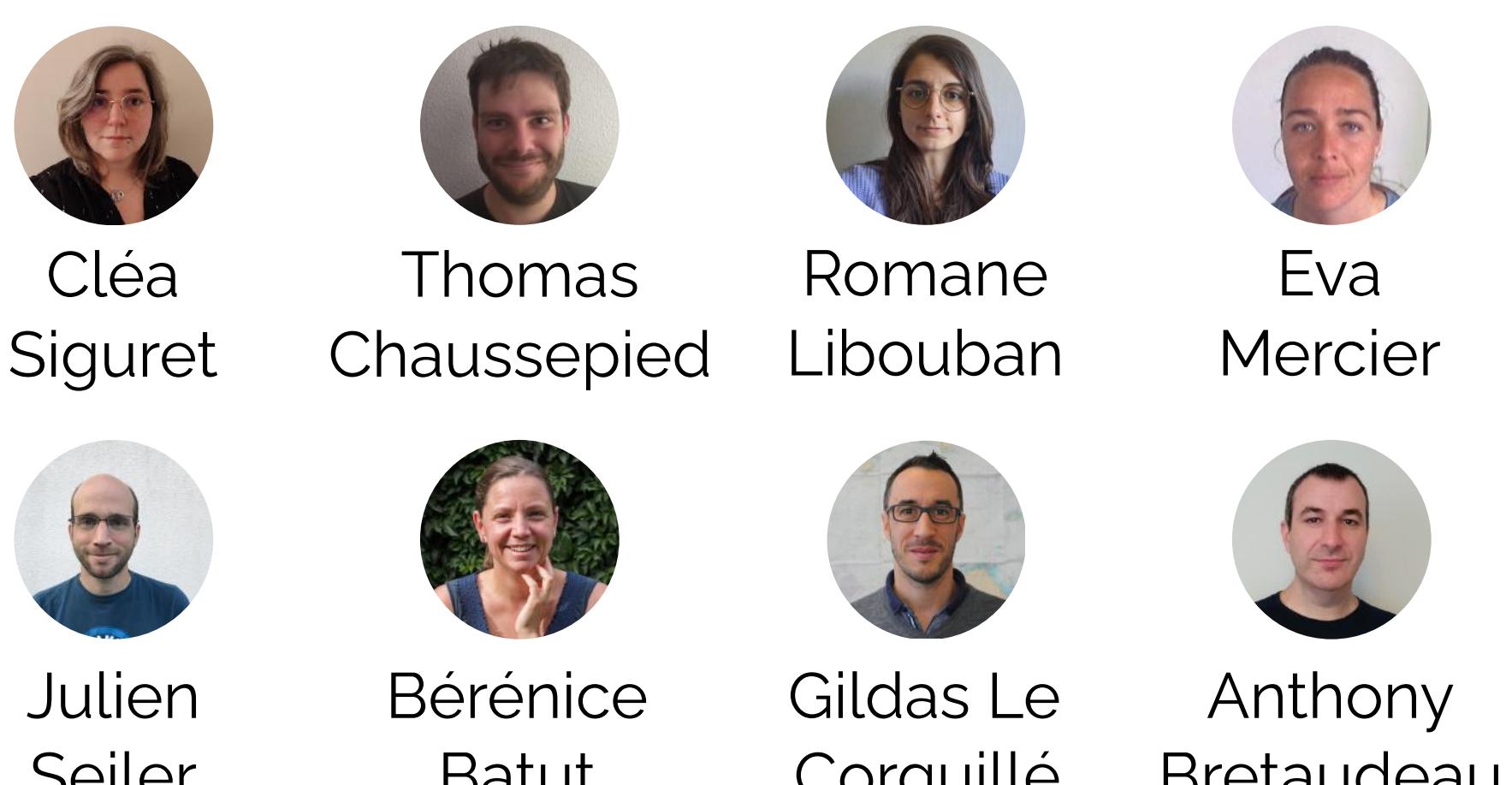
Team: Alexis Dereeper, Gaëtan Droc, Jacques Dainat, Aurore Comte, Saliha Zenboudji-Beddekk
Thematics: Plant and pathogen genomics
plants-pathogens.usegalaxy.fr

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

Team

IFB

INSTITUT FRANÇAIS DE BIOINFORMATIQUE

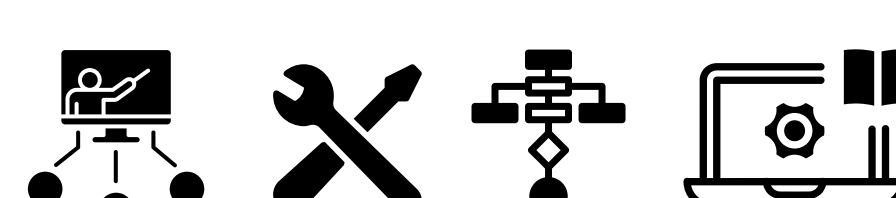


Projects: ATLASea, ABRomics, Galaxy BioProd

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:

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

TaaS: Since February, 2022



80 Events



1.9k+ taught Students

Galaxy FRANCE

FRANCE

Support

Online by the community