**UseGalaxy.eu**

Community, Training, Infrastructure, and Users

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https://galaxyproject.eu - https://usegalaxy.eu

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**About**

With the UseGalaxy.eu server we provide access to:

- Free compute and storage resources
- More than 2000 different, well-documented and constantly maintained bioinformatics tools
- 250 GB per user
- Free registration
- Login with ELIXIR AAI

When this effort is combined with our community-maintained workflows and our in-depth training material, it makes up for a truly productive work experience. We believe in enabling everyone to perform reproducible science.

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**Community**

Community is central to everything we build, without our community we would not exist in the same form that we do today, and we are incredibly grateful to everyone who has contributed to UseGalaxy.eu’s success.

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**Code and Infrastructure**

All of our code is open source and freely available [github.com/usegalaxy-eu](https://github.com/usegalaxy-eu)

Our infrastructure is editable online [github.com/usegalaxy-eu/infrastructure](https://github.com/usegalaxy-eu/infrastructure)
[github.com/usegalaxy-eu/infrastructure-playbook](https://github.com/usegalaxy-eu/infrastructure-playbook)

The community contributes to the tools installed on usegalaxy.eu:
[github.com/usegalaxy-eu/usegalaxy-eu-tools](https://github.com/usegalaxy-eu/usegalaxy-eu-tools)

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**Subdomains - Fostering Communities**

We have made UseGalaxy.eu a platform for fostering small communities, every community that wishes to be a part of our platform can get a subdomain with their own welcome page and tool box, while being able to leverage our resources infrastructure with no maintenance.

- [cheminformatics.usegalaxy.eu](https://cheminformatics.usegalaxy.eu)
- [climate.usegalaxy.eu](https://climate.usegalaxy.eu)
- [clipsq.usegalaxy.eu](https://clipsq.usegalaxy.eu)
- [ecology.usegalaxy.eu](https://ecology.usegalaxy.eu)
- [graphclust.usegalaxy.eu](https://graphclust.usegalaxy.eu)
- [hicexplorer.usegalaxy.eu](https://hicexplorer.usegalaxy.eu)
- [imaging.usegalaxy.eu](https://imaging.usegalaxy.eu)
- [metabolomics.usegalaxy.eu](https://metabolomics.usegalaxy.eu)
- [metagenomics.usegalaxy.eu](https://metagenomics.usegalaxy.eu)
- [nanopore.usegalaxy.eu](https://nanopore.usegalaxy.eu)
- [proteomics.usegalaxy.eu](https://proteomics.usegalaxy.eu)
- [rna.usegalaxy.eu](https://rna.usegalaxy.eu)
- [singlecell.usegalaxy.eu](https://singlecell.usegalaxy.eu)
- [streetscience.usegalaxy.eu](https://streetscience.usegalaxy.eu)

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**Training**

Training is another cornerstone of efforts at UseGalaxy.eu to improve the reach and accessibility of Galaxy. See Poster 43 A for more details about all of the improvements over the past year.

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**Galaxy Admin Community**

The training material has been expanded and updated to include a dozen new tutorials on Galaxy Administration as part of efforts to expand the administration community. In the past year we also launched a new administration focused gitter channel [gitter.im/galaxyproject/admins](https://gitter.im/galaxyproject/admins), and re-launched the regular Galaxy Admin Meetups.

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**Training Infrastructure as a Service**

UseGalaxy.eu’s invention of TlaaS paves the way for using a large, maintained, well tested Galaxy instances for large training events.

TlaaS works by placing users in a special group in Galaxy, when jobs are scheduled through our Sorting Hat system, these jobs are granted permission to run on special resources that are configured just for the training event.

In the past year more than 1,200 students have been trained using UseGalaxy.eu’s TlaaS, averaging more than one workshop every week.

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**Users**

The past year has seen incredible growth, a nearly 5x increase in users, and 1.5 Million new jobs executed on UseGalaxy.eu. This growth has been supported by generous grants from our funding partners, and especially through the use of the de.NBI Cloud.

We love our users, they attend Galaxy workshops, become advanced users, and then push the boundaries of UseGalaxy.eu with their analyses, before finally giving back to the community by giving their own trainings.

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**Elixir AAI**

To make life easier for our users we have integrated Elixir AAI on UseGalaxy.eu, in collaboration with several other Elixir nodes. This feature is available in Galaxy 19.05 for everyone to use. Since enabling this on EU we have seen an immediate uptake of this new login method.

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**Infrastructure**

As part of de.NBI, ELIXIR and EOSC-life the European Galaxy project is at the heart of the European Life Science Infrastructure. Our infrastructure is built by the community, for the community. We are not a single node in Freiburg but instead composed of resources from across Europe:

- de.NBI Cloud Freiburg in the Freiburg Compute Center, and de.NBI Cloud Tübingen
- the Backofen Cluster in Freiburg
- Distributed jobs running across: Italy, Belgium, Spain, Portugal, Norway
- Training and Tool development support from the Netherlands, and France