

Democratising data analysis with Galaxy

Monday, March 11, 2024 5:00 PM (45 minutes)

Galaxy is an open-source platform that allows researchers to analyze and share scientific data using interoperable APIs and various user-friendly web-based interfaces. The Galaxy project was launched in 2005 and has since become a powerful tool for researchers across a wide range of research fields, including *omics, biodiversity, machine learning, cheminformatics, NLP, material science, climate research.

One of the key features of the Galaxy platform is its emphasis on transparency, reproducibility, and reusability. Galaxy is a multi-user environment which facilitates sharing of e.g. tools, workflows, notebooks, visualizations, and data with others. This makes it particularly easy to reproduce results in order to verify their correctness and enable other researchers to build upon them in future studies. All provenance information of a dataset, including version of used tools, parameters, execution environment are captured and can be reused or exported using standards like BCO or RO-Crate to public archives.

Type of Poster

Presenter: GRÜNING, Björn

Session Classification: Talks

Track Classification: Vortrag