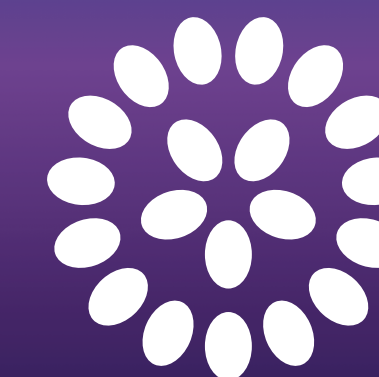


ioChem-BD Open-Data for Computational Chemistry and Materials Science



OSCAR
Open Science Clusters' Action
for Research & Society

By transforming digital repositories and introducing innovative services, ioChem-BD seeks to create an engaging platform that not only facilitates data sharing but also cultivates a culture of transparency and reproducibility in research, ultimately accelerating chemical discoveries and enhancing collaboration across the scientific community.



OTHER

Challenge

In the realms of computational chemistry and materials science, there is a pressing need to address the fragmented landscape of research data, ensuring adherence to FAIR data principles to enhance data sharing and reproducibility.

Solution

A robust platform that promotes FAIR data practices. By integrating Semantics Data Models into the repository, ioChem-BD ensures that data from various origins can be analysed collectively. The project will also host workshops, talks and meetings to further improve data FAIRness and the platform.

Scientific Impact

By providing tools that support the analysis, transformation, and comparison of data, the platform aims to empower users to generate high-quality, representative datasets that can confirm both new and established hypotheses.

Partners

Institut Català
d'Investigació Química