Open source variational quantum eigensolver (OpenVQE)

Extension of the quantum learning machine (QLM) for quantum chemistry

Tutorial: OpenVQE training session

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What is OpenVQE?

Open Source Variational Quantum Eigensolver package for Quantum Chemistry that based on the tools provided in MyQLM-fermion package.



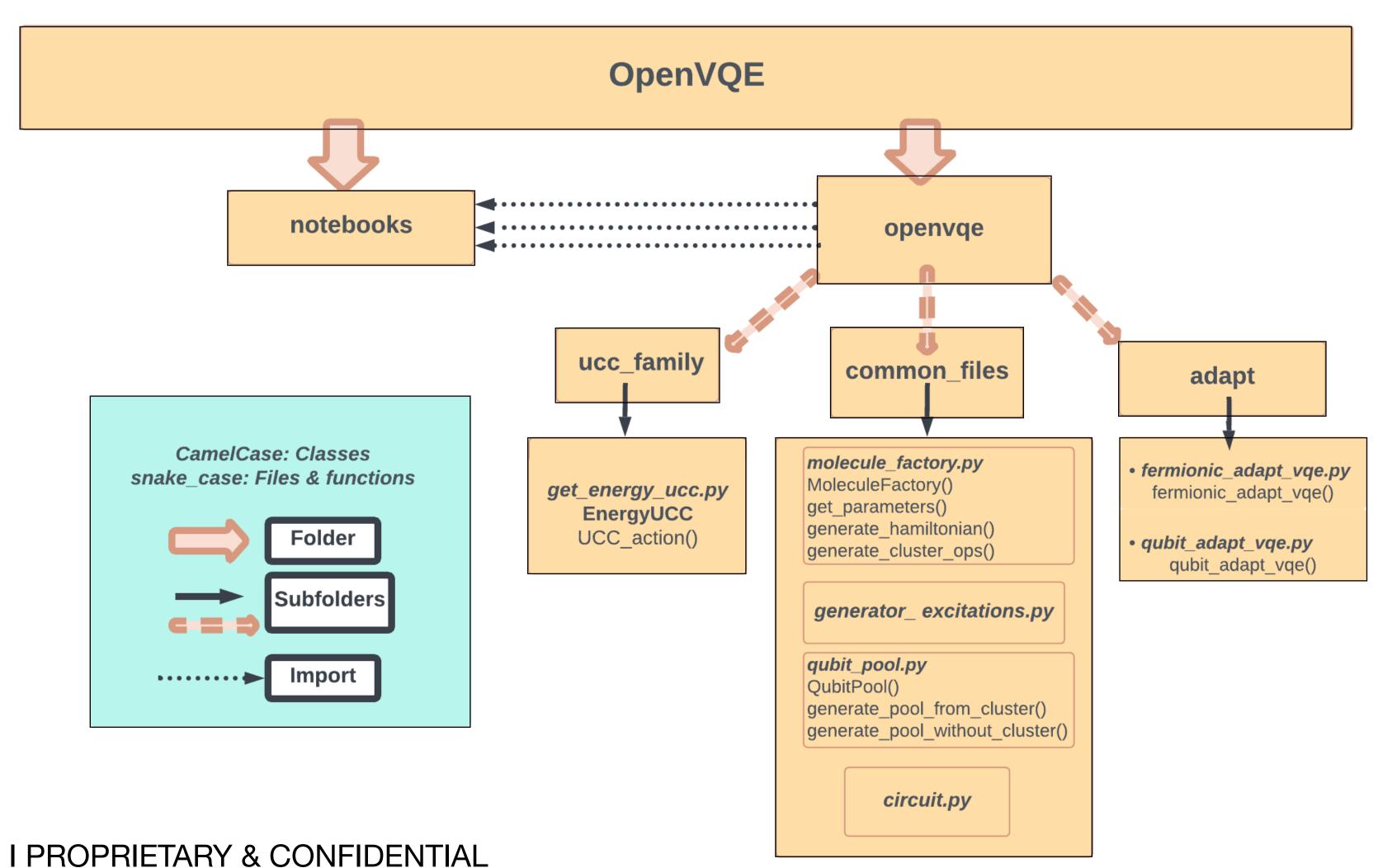
Why OpenVQE?

An extremely efficient & well-structured variational quantum chemistry algorithms based on MyQLM - Eviden.



Flowchart of the OpenVQE Package

The code is given in our Github repository and documentation





State of the art

Empowering impactful projects via OpenVQE.

- More than 35 contributors from different countries: Europe, US, Asia
- Application in material sciences, drug discoveries, climate change and machine learning
- Non-profit organisation, aim for education
- 3 published papers from the author



Wiley review https://doi.org/10.1002/wcms.1664