

**Open source
variational quantum
eigensolver extension**

**Extension of the quantum
learning machine for
quantum chemistry**

Atos





What is OpenVQE ?

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



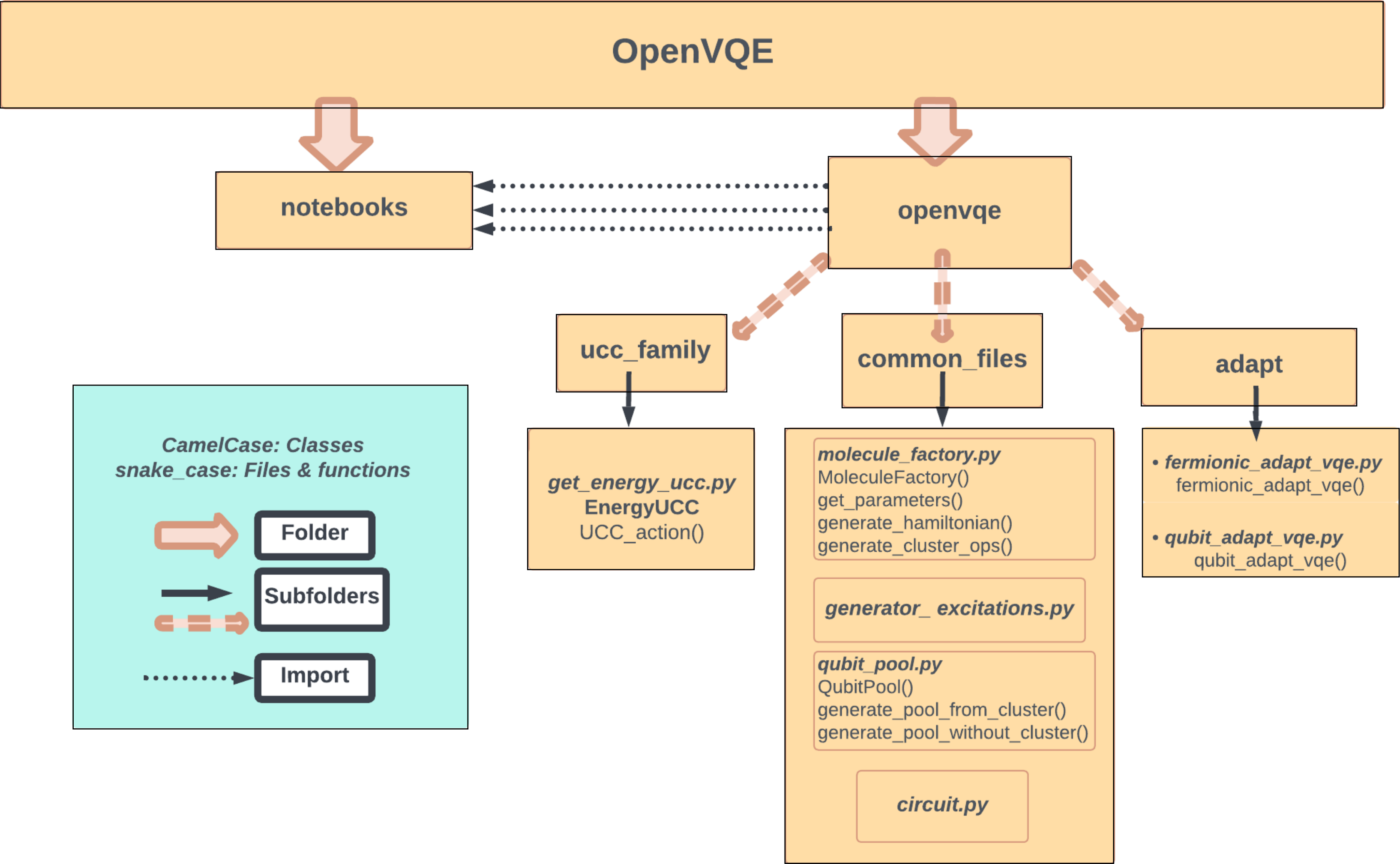
Why OpenVQE ?

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 paper from the author

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

