



- Full gas-phase chemistry
- Full aqueous-phase chemistry
- LWC from COSMO

- Full gas-phase chemistry
- Two sub-mechanisms treating aqueous-phase chemistry
 - sub no. 1 at LWC 0.01 g m^{-3} (balance of fast equilibria)
 - sub no. 2 at LWC $10 \mu\text{g m}^{-3}$ (halogen activation)