

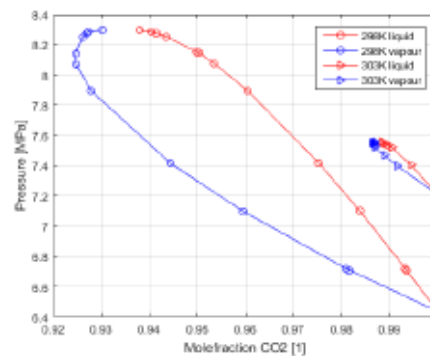
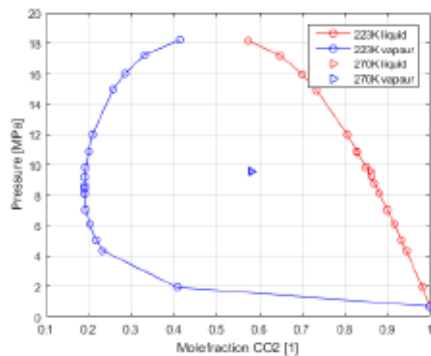
D1.2.3.1 Results of experimental work at SINTEF ER

Public introduction (*)

To be able to design and operate plants for capture, transport and storage of carbon dioxide it is necessary with reliable equations of state.

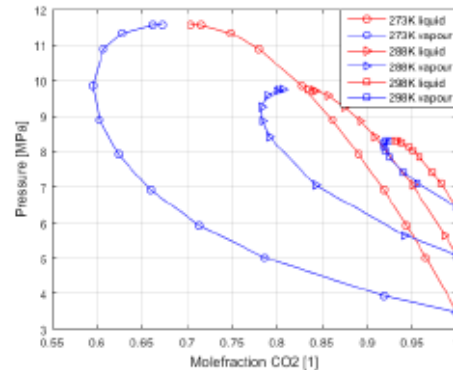
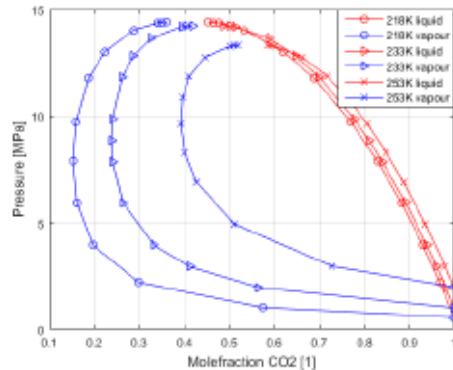
The phase equilibrium measurements for carbon dioxide and nitrogen described here is one of the building blocks to make reliable equations of state.

Vapor-liquid equilibrium (VLE) measurements for the binary system CO₂+N₂ are reported at 223, 270, 298 and 303 K. A summary of the measurements are shown below.



These results are published in Fluid Phase Equilibria: [doi:10.1016/j.fluid.2015.09.034](https://doi.org/10.1016/j.fluid.2015.09.034) after an embargo period of 24 months a postprint of the article will be available at: <http://brage.bibsys.no/xmlui/handle/11250/2372451>

Vapor-liquid equilibrium measurements for the binary system CO₂+O₂ are reported at 218, 233, 253, 273, 288 and 298 K. A summary of the measurements are shown below.



These results are submitted for publication in Fluid Phase Equilibria.

A preprint version (not peer reviewed) is available at:

<http://brage.bibsys.no/xmlui/handle/11250/2368453>

(*) According to Deliverables list in Annex I, all restricted (RE) deliverables will contain an introduction that will be made public through the project WEBSITE