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## Highly precise atmospheric oxygen measurements as a tool to detect leaks of carbon dioxide from Carbon Capture and Storage sites

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Charlotte van Leeuwen was born on 9 January 1986 in Gouda, the Netherlands. She went to high school (VWO) at the Zernike College in Haren. Afterwards she got a BSc degree in Chemical Engineering (2008) and a cum laude MSc degree in Energy and Environmental Sciences (2010) from the University of Groningen. In October 2010 she started as a PhD candidate at the Centre for Isotope Research (CIO), which is part of the Energy and Sustainability Research Institute Groningen (ESRIG) of the University of Groningen.

### **Publications**

Van Leeuwen, C., Hensen, A. and Meijer, H.A.J. (2013) – Leak detection of CO<sub>2</sub> pipelines with simple atmospheric CO<sub>2</sub> sensors for carbon capture and storage – International Journal of Greenhouse Gas Control (19), 420 – 431

Van Leeuwen, C. and Meijer, H.A.J. (2015) – Detection of CO<sub>2</sub> leaks from carbon capture and storage sites with combined atmospheric CO<sub>2</sub> and O<sub>2</sub> measurements - International Journal of Greenhouse Gas Control (41), 194 - 209

