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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 CO₂ pipelines with simple atmospheric CO₂ 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 CO₂ leaks from carbon capture and storage sites with combined atmospheric CO₂ and O₂ measurements - International Journal of Greenhouse Gas Control (41), 194 - 209

