

Personal Profile

Dr Gillian Pickup (UK)



Company

Institute of GeoEnergy Engineering, Heriot-Watt University

Gillian Pickup is a lecturer in the Institute of GeoEnergy Engineering at Heriot-Watt University. She holds a BSc degree (first class honours) in Astrophysics from the University of Edinburgh and a PhD in Astrophysics, also from University of Edinburgh. She joined Heriot-Watt University in 1990, initially as a Research Associate, then as a Senior Research Associate and a Research Fellow, before becoming a Lecturer in 2010. Gillian's research interests include geological modelling, flow through porous media and upscaling of small-scale effects for use in larger-scale models. In 2009, she was given an award by SPE Aberdeen for contribution to industry.

Since 2005, she has been applying skills acquired in reservoir engineering to the problem of CO₂ storage in deep saline aquifers. Over the past few years she has participated in several multi-disciplinary collaborative projects to evaluate CO₂ storage potential for the UK. She has co-authored a number of papers on the numerical simulation of CO₂ storage, including five in the International Journal of Greenhouse Gas Control. Her current interests include enhanced oil recovery (EOR) using CO₂, and synergy between CO₂ EOR and storage, and hydrogen storage.

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