DESCRIPTION

Carbon capture and geological storage (CCS) is presently the only way that we can make deep cuts in emissions from fossil fuel-based, large-scale sources of CO₂ such as power stations and industrial plants. But if this technology is to be acceptable to the community, it is essential that it is credibly demonstrated by world-class scientists and engineers in an open and transparent manner at a commercially significant scale. The aim of the Australian Otway Project was to do just this.

*Geologically Storing Carbon* provides a detailed account of the CO2CRC Otway Project, one of the most comprehensive demonstrations of the deep geological storage or geosequestration of carbon dioxide undertaken anywhere. This book of 18 comprehensive chapters, written by leading experts in the field, is more than a record of outstanding science- it is about "learning by doing". For example, it explains how the project was organised, managed, funded and constructed, as well as the approach taken to community issues, regulations and approvals. It also describes how to understand the site: Are the rocks mechanically suitable? Will the CO₂ leak? Is there enough storage capacity? Is monitoring effective?

This is the book for geologists, engineers, regulators, project developers, industry, communities, indeed anyone who wants to better understand how a carbon storage project really works. It is also for people concerned with obtaining an in-depth appreciation of one of the key technology options for decreasing greenhouse emissions to the atmosphere.
**ABOUT THE AUTHOR**

**Professor Peter J Cook CBE FTSE** is a leading geologist and a Professorial Fellow at the University of Melbourne (the University established the Peter Cook Centre for CCS Research in 2012). Previously he was the Foundation CEO of the Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC) and in 2004 first developed the concept of the CO2CRC Otway Project. Previously he was Director of the British Geological Survey. Professor Cook was Coordinating Lead Author of the IPCC Special Volume on CCS and has published many papers, articles and books on resource, energy and environmental issues. His book *Clean Energy, Climate and Carbon* was published by CSIRO in 2012.

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