



CHINA AUSTRALIA
GEOLOGICAL STORAGE OF CO₂
中澳二氧化碳地质封存

CAGS Exchange Trip

Matthew Myers





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Visits (June 2017 and August to September 2017)

Urumqi, Xinjiang – assisted with training school and attended workshop

Beijing – laboratory work and science collaboration (Prof. Bo Peng)

Wuhan – site visit and science collaboration (Prof. Qi Li)

Guangzhou – site visit (UK-China Guangdong CCUS Centre) and Prof. Pengchun Li

Qingdao – site visit and science collaboration (Prof. Keyu Liu)

Visit to Wuhan

Prof. Qi Li

- Lab visits and research presentations (core flooding and fugitive emissions monitoring)
- City tour



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Visit to Qingdao

Prof. Keyu Liu (former colleague at CSIRO, now at China University of Petroleum – Qingdao)

- Lab visits and research presentations
- Discussions about core flooding
- Possible collaboration on development of fugitive methane monitoring systems
- Also visited Qingdao University



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Study Exchange -China University of Petroleum, Beijing

Prof. Bo Peng, Dr. Yang Leilei, Jihui Jia

- X-ray CT analysis of core samples/core flooding research
- Future collaboration on modelling of chemical tracer behaviour
- Applied for CSC-CSIRO scholarship funding for a PhD student to come to Australia to do experimental studies on the mechanical and chemical properties of CO₂ hydrates



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Some sightseeing on the weekends....



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Future research collaboration

200,000 yuan scholarship funding from the State Key Laboratory of Geomechanics and Geotechnical Engineering working with Prof. Qi Li

- CO₂ flooding of highly heterogeneous core samples
- X-ray CT imaging/core flooding at CSIRO in Perth, Australia
- MRI/core flooding at IRSM in Wuhan, China
- PhD student will visit CSIRO for up to 6 months to conduct research



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Thank You!

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