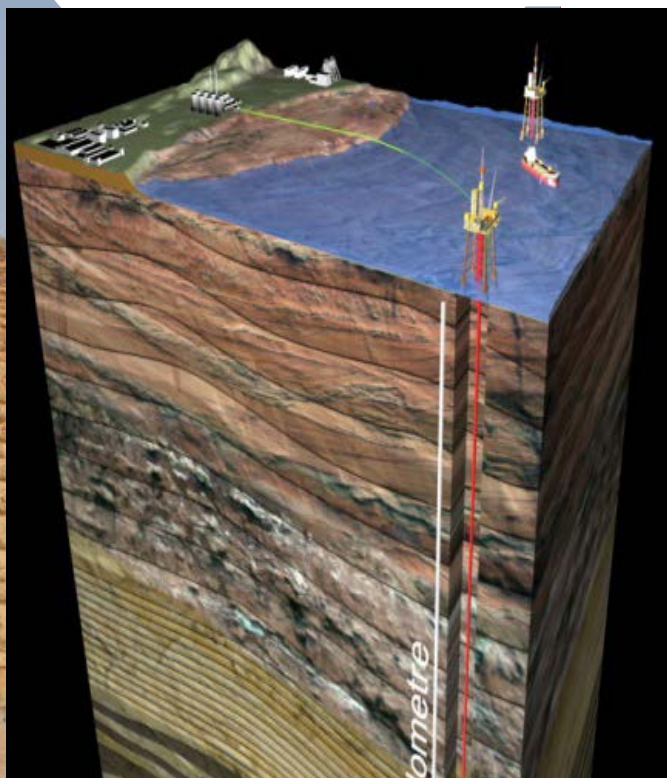
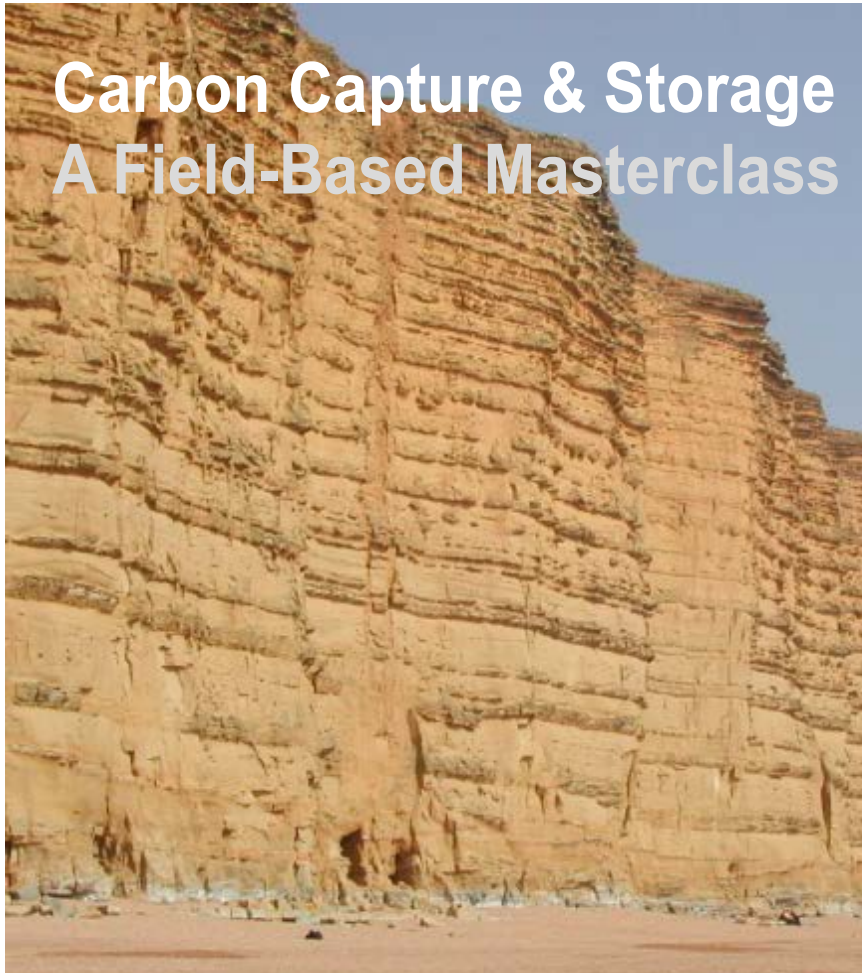


Carbon Capture & Storage A Field-Based Masterclass



AT A GLANCE

- WHO SHOULD ATTEND

Anyone with a practical interest in CCS, no prior CCS knowledge is required.

- DATES

NEW DATES COMING SOON

- WHERE

Springfield Country Hotel
Stoborough
Wareham
Dorset

- FEES

**NEW DATES
COMING SOON**

Includes accommodation, all meals and training materials

Where does it start?
Where does it end?
What's the full story?
How would you design a solution?

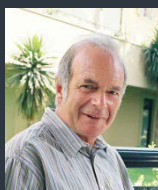
The increasingly clear message we can read from the geological record is that we are causing significant disruption of Earth's carbon cycle.

The rocks tell us how, with the help of petroleum science and technology, we can manage the transition to a low-carbon economy: an endeavour on a scale comparable to that of the present-day oil industry.

This event follows the path of carbon from extraction from ancient rocks in the subsurface, through eager use by us, to capture and safe storage back in those same rocks.

Projects will be based on spectacular exposures of rocks and real oilfield facilities and data, set in the demanding financial and legal framework of a World Heritage site. Participants will be supported by tuition in the technical essentials as they work through the logic of a full CCS scheme.

Endorsement by the Geological Society is in progress



"You can't argue with a rock...but you can understand it and then use it wisely. You will work with rocks and facilities on the World Heritage Jurassic Coast of Southern England, in an integrated project focusing on the Wytch Farm oilfield. The experiential style of learning appropriate to this new course has been developed by those will guide you."

Dr Bryan Lovell OBE, Senior Research Fellow in Earth Sciences, University of Cambridge

CCS TLM Academy - CCS TLM Limited
Telephone: +44 (0) 203 463 8529

Company Number: 7117985

NCCCS
Telephone: +44 (0) 115 823 2736

AGR TRACS
Telephone: +44 (0) 1224 629 187



WWW.CCSTLM.COM
WWW.NCCCS.AC.UK
WWW.TRACS.COM

Carbon Capture & Storage A Field-Based Masterclass



A unique all-encompassing training experience with classroom sessions, case studies and field visits:

Day 1

- Global context – the CO₂ issue
- Source of the carbon
- Field visit: Kimmeridge
- Field Visit: Lulworth
- Science – global impact, forecasts
- The dimensions of the issue
- Case Study: Large scale options for CCS

Day 2

- Power station CO₂ compression
- The capture processes
- Engineering requirements
- Compression and pipelines
- Field Visit: Wytch Farm
- Wells – old versus new
- CO₂ plant facilities
- Case Study: Wytch Farm

Day 3

- Reservoir history
- Field Visit: Bridport
- Storage and seal capacity
- Monitoring and forecasting
- Legislative requirements
- Running operations
- Case Study: Wytch Farm
- Engineering costs vs cost of inaction
- Value? The Carbon Price

TO BOOK YOUR PLACE:

CCS TLM Academy

Harriet Workman
Office: +44 (0)203 463 8529
Mobile: +44 (0)7990 808484
academy@ccstlm.com

CCS TLM Limited
1st Floor, Chertsey House
61 Chertsey Road
Woking, Surrey GU21 5BN

FOR MORE INFORMATION:

NCCCS

Antony Benham
Business Development Manager
antony.benham@nottingham.ac.uk
Tel: +44 (0) 115 823 2736

AGR TRACS

Mark Bentley
Training Director
mark.bentley@agr-ps.com
Tel: +44 (0) 1224 629 187



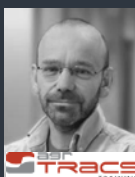
Dr Bryan Lovell OBE

Senior Research Fellow in Earth Sciences, University of Cambridge
Bryan Lovell is Senior Research Fellow in Earth Sciences at Cambridge University, studying the effects of mantle convection on elevation of Earth's surface and maintaining longstanding consultancy interests. He studied geology at Oxford and Harvard during the 1960s, lectured at Edinburgh University in the 1970s, then worked with BP Exploration from 1981-1996. His *Challenged by Carbon: The Oil Industry and Climate Change* was published in 2009. He is currently President of the Geological Society of London.



Jonathan Bellarby, Petroleum Engineer, AGR TRACS Training

Jonathan is a petroleum engineer with 21 years' experience gained at BP, Camco, ICE Energy and TRACS (now part of AGR). He consults on petroleum and completion engineering studies and is a tutor on a diverse set of technical industry courses which run several times a year globally. He is the author of the definitive text on completions: "Well Completion Design" (Elsevier).



Mark Bentley, Training Director, AGR TRACS Training

Mark is a geoscientist with 25 years' experience, initially with Shell and subsequently training and consulting with TRACS (now part of AGR). His particular areas of expertise are in reservoir modelling and scenario-based uncertainty-handling. He has written tailored training courses for numerous clients and delivered training courses on every continent except Antarctica. He is now Training Director for AGR.

More about AGR TRACS Training can be found at www.tracs.com



Dewi ab Iorwerth, Business Development Director, CCS TLM

Prior to joining CCS TLM, Dewi was the Business Development Director for Hydrogen Energy International Limited, a joint venture between BP Alternative Energy and Rio Tinto, where he managed a team responsible for identifying and progressing new power generation with CCS project opportunities in Australia, Middle East and Europe. Dewi was a key member of the commercial negotiating team managing the off-take terms for the HPAD project in Abu Dhabi.

More about CCS TLM can be found at www.ccstlm.com



Antony Benham, Business Development Manager, NCCCS

Antony is the Business Development Manager for NCCCS and formerly worked as a Business Development Manager at the British Geological Survey where he was responsible for developing business within the Energy and Climate Change areas. Antony is also a geologist and has worked on many national and international projects including work in Afghanistan, Ghana, South Africa, Hong Kong and the UAE.

More about NCCCS can be found at www.ncccs.ac.uk

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