

# ENERGY TRANSITION DISCIPLINE GUIDES

Carbon Capture and Storage

Energy Transition Fundamentals

Geothermal

Hydrogen



# CARBON CAPTURE AND STORAGE

General			
<div>N538</div> <div>Repurposing Subsurface Petroleum Skills for CCUS</div> <div>Alex Bump / Seyyed Hossieni / Katherine Romanak</div> <div>Level: Skilled    Duration: 3 Days</div> <div></div>	<div>N577</div> <div>Outcrop Analogues for CO2 Storage (Devon and Dorset, UK)</div> <div>Richard Worden and Howard Johnson</div> <div>Level: Skilled    Duration: 5 Days</div> <div></div>	<div>N586</div> <div>The Geoscience of CCS Using Virtual 3D Outcrop Analogues and Virtual Core</div> <div>Tip Meckel and Jurriaan Reijs</div> <div>Level: Skilled    Duration: 2 Days</div> <div></div>	<div>N549</div> <div>Subsurface Characterization, Screening and Site Selection for Geologic CO2 Storage Sites</div> <div>Alex Bump and Susan Hovorka -</div> <div>Level: Skilled    Duration: 2 Days</div> <div></div>
<div>EC003</div> <div>Fundamentals of CCS</div> <div>N/A</div> <div>Level: Foundation    Duration: 5 hours</div> <div></div>	<div>EC004</div> <div>Geological Storage of CO2</div> <div>N/A</div> <div>Level: Foundation    Duration: 5 hours</div> <div></div>	<div>EC005</div> <div>Behaviour of CO2 in Reservoirs</div> <div>N/A</div> <div>Level: Foundation    Duration: 6 hours</div> <div></div>	<div>EC006</div> <div>Monitoring CO2 Storage</div> <div>N/A</div> <div>Level: Foundation    Duration: 4 hours</div> <div></div>
<div>EP001</div> <div>CCS for Geoscientists and Engineers - Course Bundle</div> <div>N/A</div> <div>Level: Foundation    Duration: 25 hours</div> <div></div>	<div>N535</div> <div>Foundational Understanding for CCS and Hydrogen Underground Storage</div> <div>Srikanta Mishra</div> <div>Level: Foundation    Duration: 2 Days</div> <div></div>	<div>N565</div> <div>Carbon Capture and Storage for Geoscientists and Engineers</div> <div>Richard Worden</div> <div>Level: Foundation    Duration: 3 Days</div> <div></div>	<div>N668</div> <div>The Economics of CCS Projects</div> <div>Andy Kirchin</div> <div>Level: Foundation    Duration: 1 Days</div> <div></div>
Specialist			
<div>N584</div> <div>Storage Exploration – Screening and Selection of CO2 Sites</div> <div>Pete Smith and Jim Lorsong</div> <div>Level: Skilled    Duration: 2 Days</div> <div></div>	<div>N585</div> <div>CO2 Containment and Storage Monitoring</div> <div>Jim Lorsong</div> <div>Level: Skilled    Duration: 2 Days</div> <div></div>	<div>N590</div> <div>Geomechanics for CCS Projects</div> <div>Kes Heffer and Nick Koutsabeloulis</div> <div>Level: Skilled    Duration: 2 Days</div> <div></div>	<div>N591</div> <div>Geochemistry of CCS: Reservoirs, Seals and the Engineered Environment</div> <div>Richard Worden</div> <div>Level: Skilled    Duration: 2 Days</div> <div></div>
<div>N592</div> <div>Well Engineering for CO2 Storage Applications</div> <div>Jonathan Bellarby</div> <div>Level: Skilled    Duration: 3 Days</div> <div></div>	<div>N593</div> <div>Reservoir Characterisation and Simulation for CCS</div> <div>Andy Woods and Pete Smith</div> <div>Level: Skilled    Duration: 2 Days</div> <div></div>	<div>N594</div> <div>CO2 Plume Behaviour in a Reservoir</div> <div>Andy Woods</div> <div>Level: Skilled    Duration: 1 Days</div> <div></div>	<div>N579</div> <div>Understanding Faults and Fault Rupture – Applications to Fluid Trapping, Pressure Containment, and Induced Seismicity for Hydrocarbons and CCS (Utah, USA)</div> <div>Peter Hennings and Robert Krantz</div> <div>Level: Skilled    Duration: 5 Days</div> <div></div>
<div>EC007</div> <div>Petrophysics for CCS</div> <div>N/A</div> <div>Level: Skilled    Duration: 7 hours</div> <div></div>	<div>EC031</div> <div>Geomechanics for CCS Projects</div> <div>N/A</div> <div>Level: Skilled    Duration: 6 hours</div> <div></div>	<div>N548</div> <div>Reservoir Modelling for Storage</div> <div>Tim Wynn</div> <div>Level: Foundation    Duration: 3 Days</div> <div></div>	<div>N553</div> <div>Monitoring Geologic CO2 Storage Sites</div> <div>Susan Hovorka and Katherine Romanak</div> <div>Level: Foundation    Duration: 2 Days</div> <div></div>

## ENERGY TRANSITION DISCIPLINE GUIDES

Carbon Capture and Storage  
Energy Transition Fundamentals  
Geothermal  
Hydrogen

### Mode of Delivery



Classroom



Field



e-Learning

### Skill Level



Skilled







Foundation









Awareness





# ENERGY TRANSITION FUNDAMENTALS

General			
<b>N531</b>	Mitigating Geohazards in Seafloor Settings		
Lesli Wood			
Level: Foundation	Duration: 2 Days		
<b>EC054</b>	Geomechanics for Gas Storage Projects		
N/A			
Level: Foundation	Duration: 4 hours		
<b>N558</b>	Green House Gas Emissions Quantification and Reporting for Oil and Gas Companies		
Jim Brady			
Level: Foundation	Duration: 2 Days		
<b>N583</b>	Fundamentals of Low Carbon Energy		
Mark Ireland			
Level: Awareness	Duration: 2 Days		

# GEO THERMAL

General			
<b>N730</b>	Geothermal Geology and Hydrology		
Kevin Gray			
Level: Skilled	Duration: 5 Days		
<b>N731</b>	Reservoir Thermal Modelling for Geothermal Wells		
Kevin Gray			
Level: Skilled	Duration: 5 Days		
<b>N732</b>	Geothermal Drilling Technology and Engineering		
Kevin Gray			
Level: Skilled	Duration: 5 Days		
<b>N699</b>	Introduction to Geothermal Energy		
Kevin Gray			
Level: Foundation	Duration: 5 Days		
<b>N580</b>	Exploration and Development of Deep Aquifer Geothermal for Direct Heat Use		
Mark Ireland			
Level: Foundation	Duration: 3 Days		
<b>EC053</b>	Geomechanics for Geothermal Projects		
N/A			
Level: Foundation	Duration: 4 hours		

# HYDROGEN

General			
<b>N664</b>	Developing Green Hydrogen Knowledge and Skills Across the Value Chain		
Sandy Petrie			
Level: Foundation	Duration: 3 Days		
<b>N665</b>	Natural Hydrogen Exploration		
Jürgen Grötsch			
Level: Foundation	Duration: 3 Days		
<b>N663</b>	Introduction to Green Hydrogen		
Sandy Petrie			
Level: Awareness	Duration: 1 Days		
<b>N667</b>	An Introduction to Natural Hydrogen Exploration		
Jürgen Grötsch			
Level: Awareness	Duration: 1 Days		

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Our goal is to collaborate with our customers to develop the competencies and capability of their workforce through integrated learning that supports their roles and promotes individual development driving organizational excellence.

Our expertise brings flexible and scalable solutions from a diverse energy portfolio in the design, development of technical content and knowledge-based programmes delivered by expert instructors. Our technical and learning expertise help organisations develop the competencies, skills and knowledge they need to fulfill their collective potential.

The stand-out for our clients is that we use our deep expertise to solve problems that matter, making them easy to understand and we're easy to work with – Making complex easy.

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