



25TH
WPC ENERGY
CONGRESS
Riyadh, 11-15 October 2026



WPC
ENERGY

وزارة الطاقة
MINISTRY OF ENERGY



25th WPC Energy Congress

special
Programme | Knowledge
Sprint

Carbon Capture, Utilisation & Storage (CCUS) Fundamentals

Bridging technology, policy, and strategy
to unlock the full potential of CCUS

Part One: 13 October 2026, 11:30–14:00

Part Two: 14 October 2026, 12:00–14:00



GLOBAL CCS
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October 2026

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Knowledge Sprint Program Overview

This masterclass equips participants with the knowledge and strategic perspective required to navigate, evaluate, and contribute to CCUS deployment—particularly within the rapidly evolving Middle East energy landscape.

It provides a practical understanding of carbon capture, utilization, and storage (CCUS) and its critical role in advancing climate targets and industrial decarbonization.

Designed for a cross-disciplinary audience, the program connects technical foundations with strategic insight, enabling participants to engage confidently in discussions on carbon management, policy, and investment.

Language

English

Dates &
Time

Tue 13 Oct 2026 : 11:30 – 14:00
Wed 14 Oct 2026 : 12:00 – 14:00

Location

**The program is delivered over two days,
with a total duration of 4 hours.**

Knowledge Sprint

Program Structure

Climate Context & CCUS Fundamentals

DAY 1

Understanding the Need for Carbon Management

Climate change fundamentals

The role of carbon management in energy transition

Introduction to the CCUS value chain

Global Trends & Regional Opportunities

DAY 2

From Global Insights to Regional Application

Global status of CCUS deployment

Overview of key CCUS technologies

CCUS potential in the Middle East

What you will learn?

- Climate change fundamentals and the urgency of emissions reduction
- The full CCUS value chain: capture, transport, utilisation, and storage
- Global CCUS landscape and key deployment drivers
- Overview of CCUS technologies and their applications
- Regional opportunities and scaling pathways in the Middle East

Participants are encouraged to bring a laptop or tablet to enhance engagement during the sessions.

Knowledge Sprint

Learning Outcomes

By the end of this masterclass, participants will be able to:

Explain the fundamentals of climate change and carbon management

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Knowledge Sprint

Experts in the Field



Prof. Mohammad Abu Zahra

Chief Regional Officer
Global CCS Institute

Prof. Mohammad Abu Zahra is a leading CCUS and energy transition expert with over 20 years of experience across research, industry, and policy. He serves as Chief Regional Officer (MEA) at the Global CCS Institute and advises the United Nations (UN CEET) on technical pathways to achieve net-zero targets.



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Pathways to an Energy Future for All

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