



GLOBAL CCS
INSTITUTE

WEBINAR

June
03

**CCS Policy, Legal and Regulatory Review
2025: Report Discussion**



Wednesday 3rd June 2026



8:00AM London | 9.00AM Brussels | 5.00PM Melbourne

OUR MISSION TO ACCELERATE DEPLOYMENT OF CCS

WHO



WE ARE AN
INTERNATIONAL
CCS THINK TANK

OVER

200



MEMBERS ACROSS
GOVERNMENTS, GLOBAL
CORPORATIONS, PRIVATE
COMPANIES, RESEARCH
BODIES, NGOS

WHAT



FACT-BASED
INFLUENTIAL
ADVOCACY



CATALYTIC
THOUGHT
LEADERSHIP



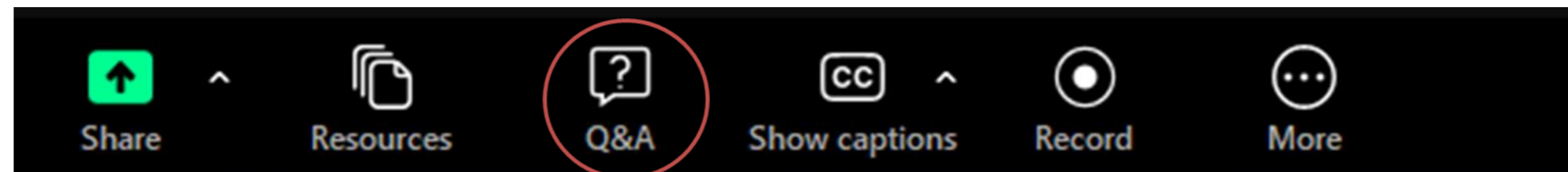
AUTHORITATIVE
KNOWLEDGE
SHARING

WHERE



BEFORE WE START

- Please note this webinar will be recorded and made available on our website in the coming days.
- We will collect questions during the presentation.
- After the presentation, and PLR developments update, We'll move into a moderated discussion followed by an audience Q&A. The moderator will pose questions to the speakers.
- Please submit your questions via the Q&A panel on Zoom.



AGENDA

Welcome from Global CCS Institute

- Ian Havercroft, General Manager, Global Research and Analysis, Global CCS Institute {Moderator}



Ian Havercroft

Global CCS Institute

General Manager, Global Research and Analysis

Presentation

- Bernardene Smith, Principal PLRC, Global CCS Institute



Bernardene Smith

Global CCS Institute

Principal PLRC

PLR Developments

- Guy Dwyer, Partner, Ashurst Australia
- Tim Dixon, Director and General Manager, IEAGHG



Guy Dwyer

Ashurst Australia

Partner

Moderated Panel Discussion

- Guy Dwyer, Partner, Ashurst Australia
- Tim Dixon, Director and General Manager, IEAGHG
- Ian Havercroft, General Manager, Global Research and Analysis, Global CCS Institute {Moderator}



Tim Dixon

IEAGHG

Director and General Manager

Audience Q&A

- Guy Dwyer, Partner, Ashurst Australia
- Tim Dixon, Director and General Manager, IEAGHG
- Bernardene Smith, Principal PLRC, Global CCS Institute
- Ian Havercroft, General Manager, Global Research and Analysis, Global CCS Institute {Moderator}



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GLOBAL CCS POLICY LEGAL AND REGULATORY REVIEW – REPORT PRESENTATION



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KEY CCS POLICY, LEGAL, AND REGULATORY TRENDS IN 2025

Consolidation of CCS policy architecture and project advancement

- Clean Industrial Deal; Net Zero Industry Act in the EU
- Updates to EU CBAM and the EU ETS
- Substantial funding through Horizon Europe and the EU Innovation Fund
- UK commercial projects reached FID

Varied direction across the region

- Continued federal support for CCS in the US
- Canada's ITC eligibility window extended to 2035
- US, Canada, and Mexico's states/provinces driving CCS policy momentum
- Brazil established framework for GHG emissions trading system

Steady but uneven policy and regulatory progress

- Continued progress in establishment of CCS legal and regulatory frameworks
- Several nations' NDCs now include CCS
- Cross-border collaboration on CCS is becoming a focal point

Acceleration of carbon market development and regional collaboration

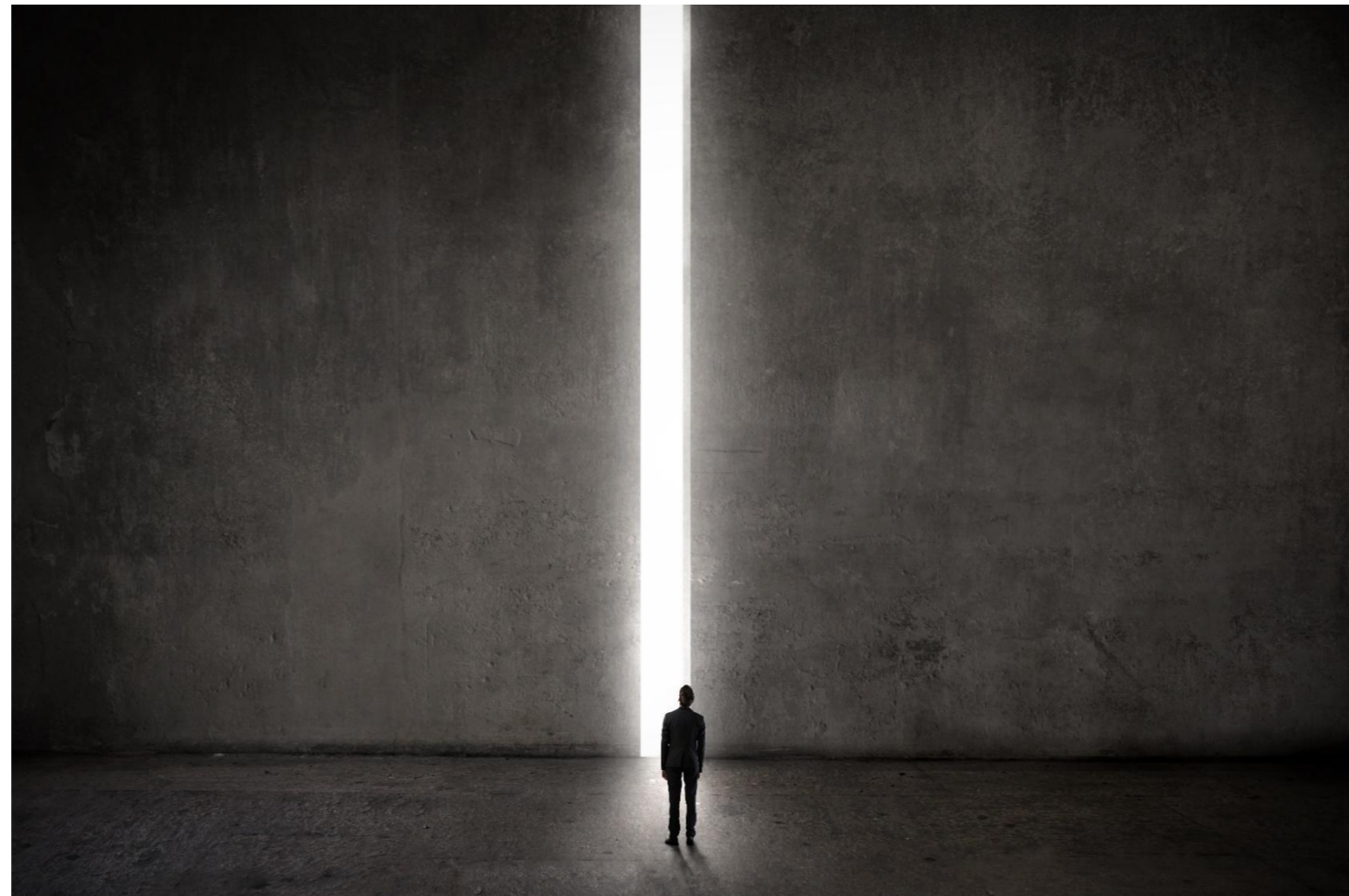
- South Africa, Kenya, and Nigeria are advancing mandatory or voluntary markets
- Growing international and regional collaboration on CCS with several MOUs signed
- Acceleration of DAC project development
- State-owned entities continue leading CCS deployment



CHALLENGES TO LARGE-SCALE DEPLOYMENT

Bankability

- Uncertainty around long-term permanence of CO₂ storage
- Lack of private funding
- Regulatory uncertainty



Development timelines

- Pace of legal and regulatory framework development
- Long storage resource development timelines
- Duration of permitting processes



REGIONAL ANALYSIS AND TRENDS – THE AMERICAS

Continued support for CCS at the federal level

- US 45Q tax credit for geological storage maintained and enhanced for EOR
- US EPA proposed GHGRP roll back, but safe harbour mechanism established for 2025
- Canada updated offset protocols and extended CCUS ITC

Enhanced policy support at the state and provincial levels

- Growing number of US states enacted CCS enabling laws
- Three additional US states received Class VI primacy
- Canada-Alberta MOU strengthens collaboration on CCS



KEY NATIONAL DEVELOPMENTS – THE AMERICAS



2025

- Executive Order (Unleashing American Energy) pauses IRA and IJA funding
- West Virginia Class VI primacy granted
- EPA rolls back Greenhouse Gas Reporting Program (GHGRP)
- One Big Beautiful Bill Act (45Q parity for utilisation)
- Texas Class VI primacy granted
- Louisiana Governor establishes a moratorium on new Class VI applications
- Arizona Class VI primacy granted
- DOE terminates awarded projects (savings of US\$7.5 billion)

US States

- Arkansas:** Established the Carbon Dioxide Storage Fund and funding mechanisms.
- California:** Established a comprehensive safety and regulatory framework for CO₂ pipelines.
- Colorado:** Established the Geologic Storage Stewardship Enterprise and liability transfer mechanism.
- Illinois:** Provisions for CCS project developers to compensate landowners for damages related to CO₂ pipelines.
- Indiana:** Established regulatory framework for permitting CO₂ wells, and converting oil and gas wells for CO₂ storage.
- Louisiana:** Key bills strengthen local community input into CO₂ storage projects, and introduced stringent new reporting requirements for CO₂ wells.
- New Mexico:** Authorised state regulation of geologic CO₂ storage and transfer of liability to the state.
- North Dakota:** Created a low-carbon fuels fund, indirectly supporting CCS.
- Oklahoma:** Established a comprehensive regulatory framework and competent authority.
- Utah:** Established a regulatory framework for geologic CO₂ storage
- Wyoming:** Established a stimulus fund that provides funding for eligible EOR projects



KEY NATIONAL DEVELOPMENTS – THE AMERICAS



Canadian Provinces

Alberta

- TIER fund credit price frozen indefinitely
- Canada-Alberta MOU signed for cooperation on CCS

British Columbia

- Published its CCS offset protocol

Ontario

- Ontario's Resource Management and Safety Act, 2025 became law.



- Brazil implemented law that established the country's national emissions trading system (SBCE)
- Decree passed, creating the Extraordinary Secretariat, which will oversee the launch of the SBCE before a new regulatory agency is established
- Public Consultation launched, soliciting input on the regulation of CCS and BECCS projects



- Mexico updated its NDC, and introduced an emissions cap for 2035
- The Mexican state of Colima established carbon offset rules



REGIONAL ANALYSIS AND TRENDS – APAC AND INDIA

Establishment of legal and regulatory foundations to enable CCS continues across the region

- Early mover nations have continued to refine their regulatory frameworks for CCS
- Several nations have newly established CCS legislation

International and regional ambitions, cooperation and collective mechanisms underpin CCS-related PLR developments

- Several NDCs and national policy documents now include CCS
- NDC commitments are largely conditional upon international cooperation and climate finance
- MoUs and bilateral agreements established between countries in the region to cooperate on CCS

Continued proliferation of carbon markets and other carbon pricing mechanisms

- Carbon market implementation is accelerating across the region
- APAC countries are also exploring the interoperability of the expanding compliance and voluntary carbon markets



KEY NATIONAL DEVELOPMENTS – APAC AND INDIA



2025

- CCS features within the Resources Sector Plan which will support Australia's Net Zero strategy
- Carbon Capture Technologies Program grants funding amounting to \$65 million to 7 projects
- Western Australia releases Carbon Capture Utilisation and Storage Action Plan
- Western Australia enacts regulations to support its GHG storage legal framework
- Australia's NDC mentions CCS for the first time
- Consultation documents relating to Sea Dumping permits released



2025

- Cabinet approves the 7th Strategic Energy Plan and publishes the GX2040 Vision plan which embed CCS into its industrial and power decarbonisation strategy
- Japanese Diet amends the GX Promotion Act and establishes a mandatory start date for the GX-ETS
- METI designates first specified area under CCS Business Act
- METI designates second specified area under CCS Business Act
- JAPEX wins approval to start exploratory drilling at first designated specified area
- Japan updates its NDC and includes emissions from CO₂ transport and storage into its emissions scope
- MoC signed between METI and Malaysia to initiate cross-border CCS talks

- Australia is actively pursuing cross-border collaboration on CCS
- Support for CCS confirmed through new federal funding programme
- Updated NDC recognises CCS as decarbonisation technology for the first time

- Japan continues to support CCS through policy enhancement and legislative amendments
- Progress on the identified advanced CCS projects include cross-border agreements and implementation of specified areas for offshore CO₂ storage
- Updated NDC explicitly includes CO₂ transport and storage for the first time



KEY NATIONAL DEVELOPMENTS – APAC AND INDIA



2025

- Passage of PR 16 of 2024, regulating CCS in WIPK areas
- Indonesia partners with IDX Carbon to enable international carbon trading and allows credits to be registered with Gold Standard and Verra

- Further regulatory clarity provided, opening up multiple pathways for conducting CCUS operations
- Streamlined permitting of CCUS operations to create efficiencies and ease administrative burden
- Institutionalisation and international integration of CO₂ markets to create efficiencies, interoperability and credibility



2025

- Opinions on Strengthening the Clean and Efficient Utilization of Coal mentions CCS
- Implementation Program for the New Generation of Coal Power Upgrading Special Action mentions CCS
- Funding awarded to seven CCS projects under Advanced Green & Low-Carbon Technology Demonstration Program
- Commitment to shift to total emissions cap by 2030 and expand ETS to steel, cement and aluminium

- Funding for CCS demonstration projects continues
- Opportunities and incentives for CCS adoption created through expanding carbon market



KEY NATIONAL DEVELOPMENTS – APAC AND INDIA



2025

- Updated 2035 NDC (Dec 2025) commits to 53–61% GHG reduction (vs 2018) and explicitly recognises CCS
- Carbon Dioxide Capture, Usage and Storage Act (2024) enters into force
- CCUS Industry Promotion Bill passed
- Petronas–KOGAS MoU on CCS cooperation signed
- Western Australia–South Korea CCS cooperation commitment
- ETS Phase 4 Allocation Plan (2026–2030) approved

- Strengthened international commitments to CCS
- CCUS legislation came into force, including a permitting model for onshore and offshore CO₂ storage
- Commitment to international cooperation on CCS



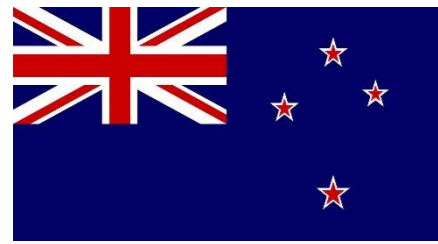
2025

- MoU signed between Petronas and KOGAS to drive global energy innovation and sustainability, including through CCS
- CCUS Act enacted following royal assent, creating the CCUS Agency and establishing legal framework
- Petronas awarded first offshore carbon storage assessment permit

- Malaysia is positioning itself as a major CO₂ storage hub in the region
- Strong legal and regulatory foundations for CCS established, with supportive institutional capacity for administering the regulatory regime
- Committed to international cooperation on CCS



KEY NATIONAL DEVELOPMENTS – APAC AND INDIA



2025

- "Enabling CCUS" Package unveiled to integrate permanent CO₂ storage into NZ ETS
- Proposed amendments to Climate Change Response Act 2002 to enable NZ ETS rewards for CCS
- Proposed CCS regulatory framework released covering approvals, liabilities, MRV and decommissioning
- Policy and ETS reforms signal improving investment landscape for CCS

- Comprehensive policy and regulatory support for the technology for the first time, clarifying the role of CCS
- Multi-faceted support for the technology including integrated CCS-specific regulatory frameworks and incentives for CCUS adoption



2025

- Department of Science & Technology releases national CCUS R&D Roadmap with phased deployment strategy
- USD \$2.2bn allocated over five years to scale CCS in power, steel, cement, refining & chemicals

- Historic funding allocation for CCUS, signalling positive direction for the technology



KEY NATIONAL DEVELOPMENTS – APAC AND INDIA



- Singapore updated its NDC, explicitly recognising CCS and targets 2 Mtpa industrial abatement through CCS by 2030
- MOUs signed with Malaysia and Indonesia for cross-border CCS



- Vietnam launched its domestic ETS with potential incentive for CCS deployment
- PetroVietnam announces plans to utilise CCS to achieve GHG reduction targets



- Thailand launched carbon pricing mechanisms
- Updated NDC references CCS with domestic policy plans highlight CCS as a key mitigation tool



- Cambodia's updated NDC references CCS for the first time



REGIONAL ANALYSIS AND TRENDS – EUROPE



Continued financial support for CCS

- EU Innovation Fund – 11 CCS projects selected in latest funding round
- Connecting Europe Facility for Energy – 17 CO₂ transport infrastructure projects included in second EU list for funding
- Horizon Europe – funding for R&D under the CID

Continued supportive policy developments

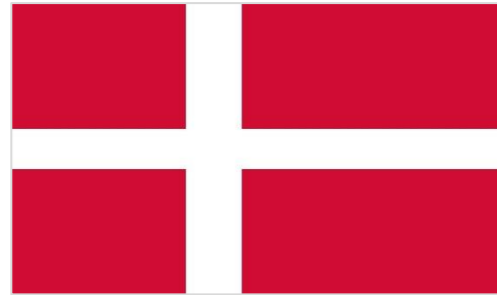
- Clean Industrial Deal (CID) released – legislative umbrella for:
 - Carbon Border Adjustment Mechanism (CBAM)
 - Industrial Accelerator Act
 - Industrial Decarbonisation Facility
- 2040 interim emissions reduction target set at 90%
- Net Zero Industry Act (NZIA) progressed through four pieces of secondary legislation

Enhanced regional and international cooperation on cross-border CO₂ transport

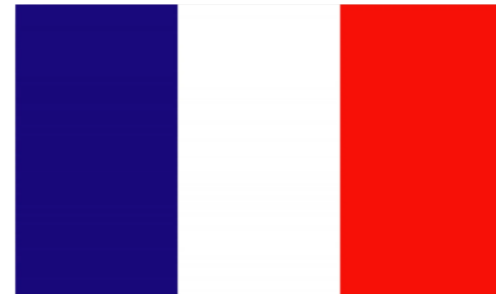
- Several cross-border cooperation agreements on CCS signed
- Agreement to work towards linking the EU and UK ETSs



KEY NATIONAL DEVELOPMENTS – EUROPE



- Danish Energy Agency approved country's first full-scale geological CO₂ storage site
- European Commission approved €3.8bn state aid for CCS



- France ratified the 2009 London Protocol Amendment
- MoU signed with Norway on cross-border CCS
- Public consultations launched on the regulatory framework for CO₂ transport infrastructure and state aid schemes



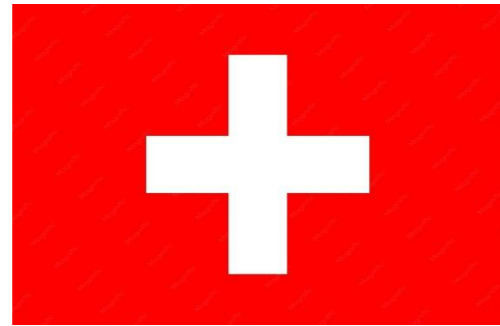
- Germany passed the Carbon Dioxide Storage and Transport Act (KSpTG)
- €6bn industrial decarbonisation initiative launched



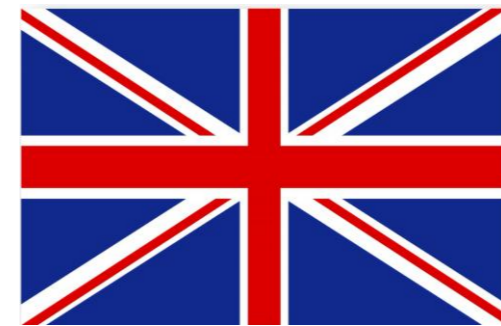
- Poland, updated its National Energy and Climate Plan, to include CCS, DACCS and BECCS



KEY NATIONAL DEVELOPMENTS – EUROPE



- Switzerland signed bilateral agreements with both Norway and Denmark on cross-border movement and permanent storage of CO₂
- Swiss government announced plans to purchase CDR credits



- NSTA issued three CO₂ storage permits for the HyNet CCS project and opened its second carbon storage licensing round for the UK continental shelf
- DESNZ awarded Economic License to HyNet CCS project



REGIONAL ANALYSIS AND TRENDS – MEA

Acceleration of carbon market development and establishment of carbon pricing mechanisms

- Several countries releasing policies, regulations or draft regulations to support mandatory and voluntary carbon markets
- Established markets expanding

Growing international and regional collaboration on decarbonisation, and funding for CCS

- Several MOUs signed with countries outside the region
- International and national funding toward CCS in 2025
- Several countries across the MEA region are actively involved in the Carbon Management Challenge

Acceleration of DAC project development

- DAC projects launched in Kenya, Oman, Saudi Arabia

Continuation of state-owned entities leading CCS deployment

- ADNOC's West Aquifer storage project certified by DNV
- Saudi Aramco's award of a US\$1.5 billion EPC contract to Larsen & Toubro (LTEH) for the development of the Jubail CCS hub



KEY NATIONAL DEVELOPMENTS – MIDDLE EAST



- Partnership formed to trade certified credits on Saudi Arabia's VCM platform
- Saudi Arabia signed cooperation agreements with Italy, France, Brazil
- Plans to tender an additional 6 GW of CCGT with CCS
- Aramco and KAPSARC both launched DAC test units
- Second NDC submitted



- The UAE's Federal Decree-Law No. (11) of 2024 on the Reduction of Climate Change Effects came into force
- The Law creates a National Carbon Credit Registry, and mandates international cooperation
- Preparing to introduce mandatory SAF



- Oman's Energy Investment Programme to 2032 includes US\$150 million for CCS
- OQGN and Gasunie signed an MoU to develop a hydrogen corridor and collaborate on CCS
- OQGN commenced mapping of an 800km domestic CO₂ pipeline network
- Oman's first DAC project commenced operations
- CORSIA provisions became mandatory for all aviation service providers



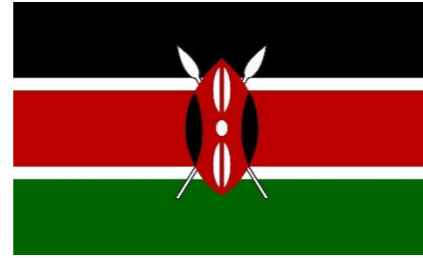
- Qatar launched a comprehensive decarbonisation action plan, signalling increased opportunities for CCS
- Updated NDC submitted with CCS central to delivery



KEY NATIONAL DEVELOPMENTS – AFRICA



- Nigeria launched FOAK CO₂ storage atlas
- Finalised its Carbon Market Activation Policy, and Manual of Procedures



- Kenya submitted its second NDC - 80% conditional upon international support
- DAC project with in-situ mineralisation in Kenya's Great Rift Valley



- South Africa's carbon tax is moving into phase 2 – targeting ZAR400/tCO₂-e by 2030
- Draft National Greenhouse Gas Carbon Budget and Mitigation Plan Regulations, along with the Draft Technical Guidelines released
- Second NDC submitted



- Egypt and Greece signed an MoU on CCS
- VCM progressing with 170,000 carbon credits from ~30 registered projects



- Morocco submitted its third NDC – aiming to capture and use ~2.2 Mtpa of CO₂ mainly to treat desalinated seawater
- Initiatives underway to build capacity for CCS development



PLR DEVELOPMENTS



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MODERATED PANEL DISCUSSION



Guy Dwyer
Ashurst Australia
Partner



Tim Dixon
IEAGHG
Director & General Manager



Ian Havercroft
Global CCS Institute
General Manager, Global
Research and Analysis
* MODERATOR *



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Q&A

Please submit your questions via Q&A on Zoom control panel at the bottom of your screen



THANK YOU

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