



CCS Regulatory Test Toolkit in Romania

CO₂ Transport and Storage

"Natural Gas Knowhow Centre in Mediaș", Thursday, 9th June 2011

Cristiana Ion, Minister's Counsellor, Romanian Ministry of Economy, Trade and the Business Environment

CCS Regulatory Test Toolkit (1)

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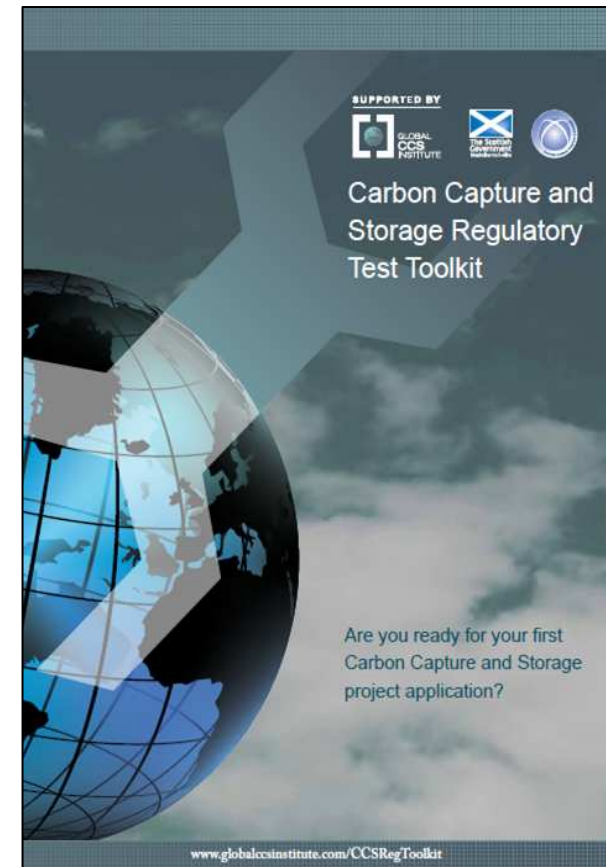


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➤ Developed by the Scottish Government with the support of Global CCS Institute, in order to support the national governments in assessing whether the regulatory framework is suitable for implementation of CCS projects

➤ The toolkit represents a guide for testing the regulatory framework by taking a CCS project application through every stage of the approval process





CCS Regulatory Test Toolkit (2)

- This test exercise will assist user to:
 - Improve understanding related to the national regulatory process:
 - the permits and consents necessary for a CCS project;
 - the information required;
 - the estimative timescale for planning and approval;
 - Identify any gaps and overlaps in the regulatory process;
 - Identify gaps in skills, knowledge and resources;
 - Ensure a viable regulatory process for CCS projects;
 - Help to speed up the management of the project to meet the timescale for funding;
 - Raise awareness among the key stakeholders related to their roles and responsibilities in the regulatory process.



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CCS Regulatory Test Toolkit in Romania



- METBE is the beneficiary of the Global CCS Institute technical assistance support for rolling-out the CCS Regulatory Test Toolkit in Romania
 - Project deadline: 30 September 2011
- The CCS Project application for testing the regulatory framework will be: Getica CCS Demo Project
- Implementation of the toolkit involves the following main actions:
 - establishment the Steering Committee;
 - develop the Regulatory Matrix;
 - organize a two days workshop with relevant shareholders;
 - final reports and knowledge sharing.



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GETICA CCS Demo Project – in brief



GETICA CCS is a Governmental Demo Project, officially sustained by the Prime Minister and coordinated by the Ministry of Economy, Trade and the Business Environment – METBE and supported by Global CCS Institute.

Location	<ul style="list-style-type: none"> ▪ Oltenia region – the most energy intensive ▪ Turceni PP – Unit no. 6 (330MW)
Full Chain	<ul style="list-style-type: none"> ▪ CO₂ Capture Plant & Compression (1.5Mtpa) ▪ CO₂ Transport – onshore pipeline ▪ CO₂ Storage – onshore deep saline aquifers
Sponsor	<p>GETICA CCS Project Company (PC), including:</p> <ul style="list-style-type: none"> ▪ TURCENI Energy Complex – future CO₂ Capture Plant operator and PC Leader ▪ TRANSGAZ, National Company for Natural Gas Transport – future CO₂ Transport Infrastructure operator and PC Member ▪ ROMGAZ, National Company for Natural Gas Exploitation – future CO₂ Storage Facility operator and PC Member
Current Status	<ul style="list-style-type: none"> ▪ the Feasibility Study were performed for each component of CCS full chain ▪ NER300 Application & Submission Forms were submitted on 9th of May to EIB





Steering Committee (1)

- The Steering Committee will comprise:
 - Global CCS Institute;
 - Scottish Government;
 - International Energy Agency;
 - Romanian authorities:
 - *Ministry of Economy, Trade and the Business Environment;*
 - *Ministry of Environment and Forests;*
 - *National Agency for Mineral Resources;*
 - *Romanian Energy Regulatory Authority;*
 - *National Environmental Protection Agency;*
 - *Ministry of Regional Development and Tourism;*
 - *Ministry of Administration and Interior;*
 - *Ministry of Labour, Family and Social Protection;*
 - *Ministry of Health;*
 - *Ministry of Justice;*
 - *Ministry of Public Finance;*
 - *National Environmental Guard;*
 - *Regional Environmental Protection Agency – REPA Craiova;*
 - *Department for European Affairs;*
 - Romanian legal consultant .



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Steering Committee (2)

- The Steering Committee will be responsible for:
 - review of the project plan;
 - review of the progress and next steps;
 - review and acceptance of the deliverables.

- Steering Committee meetings:
 - first meeting: 20th April 2011, Bucharest;
 - second meeting: 30th June 2011, Bucharest;
 - third meeting: to be defined.

- Internal meeting of Romanian authorities and legal consultant:
 - first meeting: 27th April 2011, Bucharest;
 - second meeting: 20th May 2011, Bucharest;
 - third meeting: 20th June 2011, Bucharest.



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Develop the Regulatory Matrix (1)

- Analyse the existing legislation related to the full chain CCS Project (capture, transport and storage) for the entire life of the project – construction, operation and decommissioning in order to identify:
 - authorities necessary to be involved for granting the permits/ consents;
 - details about the permits/consents, including the legal time for obtaining it;
 - work needed for submission the application.
- Analyse the existing situation at the national level related to institutional structure (Ministries, Departments, Agencies, Authorities and how are organised – staff, technical bodies)
- Proposals to amend Romanian legislation in order to be functional and easy to apply for CCS projects



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Develop the Regulatory Matrix (2)



The regulatory table is an document developed by government departments, regulatory agencies and other stakeholders together.

Place in CCS Chain	Permit Type	Title	Area Covered	Granting Authority	Timing	Work needed to complete submission	Guidance from Published Material	Comments on Emerging Legislation
Capture	Approver	Plant Planning Permission	Power and Capture Plants	Energy Ministry	12 months	Site Layouts, case for new Plant, Risk Assessment etc	web links added in here	No New Legislation
Transport	Environmental	Consent for Pipeline Works	New Pipelines	Planning Ministries Local Government	12 months	Consultation with Environmental Agency and Local Public, Environmental Impact Assessment	web links added in here	New Legislation expected from...
Storage	Approver	Offshore Petroleum Activities	Survey	Energy Ministry	3 months	Survey Data, Risk Assessment, etc	web links added in here	No New Legislation
Decommissioning	Approver	Energy Act	Handover of Facilities	Energy Ministry	9 months	Financial Security Plan in place, etc	web links added in here	New Legislation expected from...

Source: CCS Regulatory Test Toolkit developed by the Scottish Government and sponsored by the Global CCS Institute



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Workshop with relevant shareholders (1)



- The workshop event will be developed in order to improve the existing process and to identify any gaps in legislation and knowledge

- 2 days workshop organized on 21– 22 July 2011:
 - day 1 dedicated to capture and transport parts;
 - day 2 dedicated to the storage part.

- The participants will receive in advance: the agenda, the Regulatory Matrix and the application for Getica CCS Demo project

- Independent chairperson and facilitators

- Government & Developer presentation



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Workshop with relevant shareholders (2)



- Use feedback forms with the participants reviews in order to identify:
 - regulatory gaps and contradictions;
 - way of improving the application process;
 - time horizons for regulatory approvals;
 - data requirements for permits/consents;
 - strategies for management of complex permits and applications.





Final Reports and Knowledge Sharing

- Final report collating findings and providing a summary
- Press releases and presentations for stakeholder and public engagement
- Report regarding how the toolkit was used (results and recommendations for changes)
- Work with the Global CCS Institute to build a Romanian community on the Global CCS Institute's knowledge sharing platform
- Report for the Global CCS Institute & IEA to use to feedback to Romanian Government about the capacity gaps (regulatory, institutional and communication)



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**Thank you for
your Attention !**

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