

**International Atomic Energy Agency
Ibero-American Programme for Science, Technology and Development
Economic Commission for Latin America and the Caribbean
United Nations Economic Commission for Europe
and
Colegio de Ingenieros de Chile A.G
Comisión Chilena de Energía Nuclear
Ministerio de Minería**

**Workshop on “United Nations Framework Classification for Fossil
Energy and Mineral Reserves and Resources-2009 (UNFC-2009)
Applications in Uranium and Thorium resources: Focus on
Comprehensive Extraction”**

9-12 July, 2013

Venue: Santiago, Chile

Colegio de Ingenieros de Chile, Av. Santa María 0508, Providencia

AGENDA

Topic Checklist:

1. Reporting of uranium and thorium resources using United Nations Framework Classification – 2009 (UNFC–2009);
2. UNFC–2009 as a tool for effective management of uranium and thorium resources;
3. Applications of UNFC-2009 in reporting and managing unconventional uranium resources and comprehensive extraction;
4. Benefits of UNFC-2009 in formulating integrated exploration strategy for undiscovered resources of uranium, hydrocarbons and coal in ‘energy basins’;
5. UNFC–2009 as a medium for social licensing and stakeholder communications;
6. Life-cycle management of uranium projects and UNFC-2009;
7. Progress Reports: Country reporting on results achieved under TC project INT/2/015
8. Suggestions and planning for activities that could be carried out under national, regional and inter-regional levels through networking and partnerships.

	Tuesday, 9 July	Wednesday, 10 July	Thursday, 11 July	Friday, 12 July
09.00 – 10.00	<p>Official Opening: Welcome – Fernando Sierpe Opening Remarks – David MacDonald Opening Speech – Rodrigo Urquiza on behalf of the Minister of Mining of Chile Short opening statements by – Fernando Aguero, President, Colegio de Ingenieros de Chile; Charlotte Griffiths on behalf of UNECE and ECLAC; Roberto Villas-Boas, CYTED; Jaime Salas, CCHEN; Jing Zhang, IAEA</p> <p>IAEA's Technical Cooperation Activities and INT/2/015: Objectives, Work Plan and Achievements – Jing Zhang, IAEA</p>	<p>Session 2: Unconventional Uranium resources Chairs: Patrice Bruneton Fernando Sierpe</p> <p>Uranium resources – Global outlook – Patrice Bruneton, France</p> <p>Uranium and Thorium Resources in Chile - Prospection and Recovery Experiences - Pedro Orrego, CCHEN</p>	<p>Session 4: Reporting uranium resources: Case studies Chairs: David MacDonald Charlotte Griffiths</p> <p>Selected case studies from: -Argentina – UNFC case studies and country report – Luis Lopez -Argentina – country report – Luis Lopez -Indonesia – Agus Sumaryanto -Iraq – Thair Benni -Malawi – Cassius Chiwambo -Philippines – Rolando Reyes -Tanzania – Dennis Mwalongo -Thailand – Pipat Laowattanabandit and Pipat Pichestapong - Mongolia – Baatartsogt Balorj - Sri Lanka – Anil Peiris - Nigeria – Tunde Arisekola -Paraguay – Gustavo Da Silva Silveira</p>	<p>Session 6: Mapping the path forward: Action Plan 2014-15 Chairs: Julian Hilton Jing Zhang</p> <p>Sub-group presentations on:</p> <ul style="list-style-type: none"> - Exploration - Feasibility studies - Socio-economics <p>Group discussion and feedback on results achieved through IAEA assistance under INT/2/015 project</p>
10.00 – 11.00				
11.00- 11.30	Break			
11.30 – 13.00	<p>Session 1: UNFC-2009 and Reporting of Uranium and Thorium Resources Chairs: Dave MacDonald Hari Tulsidas</p>	<p>Mining in Chile, Current Situation and Perspectives - Alberto Salas, President of Sonami</p> <p>The Code of Mines of Chile -</p>	<p>Session 5: Using UNFC-2009 in national contexts</p> <p>Breakout group discussions:</p> <ol style="list-style-type: none"> 1. Geology and 	<p>Proposed International Network for Uranium Exploration and Mining Professionals: Suggested activities at national and inter-regional levels for 2014-15 through networking and</p>

	<p>What are the issues with uranium and thorium resources reporting in a national context?</p> <p>- Tour de Table UNFC-2009: An introduction – Charlotte Griffiths, UNECE</p>	<p>Rodrigo Urquiza, Ministry of Mining - Cochilco</p> <p>Uranium from unconventional resources – Challenges and opportunities – Patrice Bruneton</p>	<p>exploration</p> <p>2. Mining and processing/feasibility studies</p> <p>3. Socio-economics</p> <p>Discussions on preliminary findings</p>	<p>partnerships.</p> <p>Conclusions & Recommendations</p> <p>Meeting closes at 14 00</p>
13.00 – 14.30	Lunch Break			
14.30 – 16.00	<p>UNFC 2009: How it Works and Stakeholder Benefits – David MacDonald, EGRC</p> <p>Geological Classification of Uranium Resources – Patrice Bruneton, France</p> <p>What is ‘Comprehensive Extraction’? Julian Hilton, UK</p>	<p>Competency based capacity building for managing uranium life-cycle – Julian Hilton, UK</p> <p>Stakeholder communications: Having the right narrative – Julian Hilton, UK</p> <p>Manufacture of Nuclear Fuel Elements in Chile - Luis Olivares, CCHEN</p>	<p>Session 4 continued: Reporting uranium resources: Case studies Chairs: David MacDonald Charlotte Griffiths</p>	<p>Networking and consultations</p>
16.00 – 16.30	Break			
16.30 – 17.30	<p>Classification standards of mining and energy resources according to the UN classification - Edmundo Tulcanaza, Vice President, Mining Commission of Chile and CRIRSCO</p> <p>The Mining sector in Latin America: review of current trends and prospects - Jean Acquatella, UN ECLAC</p>	<p>Session 3: Socio-economic background Chairs: Roberto Villas-Boas Edmundo Tulcanaza</p> <p>Defining social issue metrics: - Gabriela Strazzolini, Roberto Sarudiansky and Hugo Nielson, UNSAM/OLAMI</p> <p>Sustainability indicators – Roberto Villas-Boas, CYTED</p>	<p>Session 4 continued: Reporting uranium resources: Case studies Chairs: David MacDonald Charlotte Griffiths</p>	<p>Networking and consultations</p>

<p>17.30 – 18.00</p>	<p>UNFC-2009 bridging document for Nuclear Fuel Resources and applications for “energy basins” – Unified reporting and management for all resources – Hari Tulsidas, IAEA</p> <p>Reception at 18.00</p>	<p>Mining conflicts and their impact on the UNFC E axis – Daniel Bosque, Argentina, and Monica Belling, Peru (Mining Press)</p>		
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