

"Integration" of UNFC, CRIRSCO and SPE

SPE/CRIRSCO Position

☐ Why UNFC, CRIRSCO and SPE systems must co-exist.

- Each has its own primary client group based on specific needs and historical linkages.
- Each has a Vision that is mutually-achievable only through co-existence.
- Each has been recently published a standard reference document.
- Any major change of language would require industry/clients' approval.
 (in some cases the language is embedded in existing legislative guidance).
- Client groups do not perceive advantages to change to a new system.
- Clients can choose their preferred system from co-existing classifications.

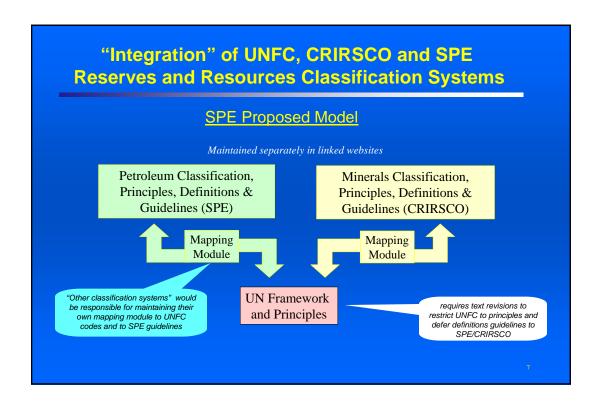
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SPE/CRIRSCO Position

- ☐ What is the best way to "integrate", yet separately maintain, UNFC, CRIRSCO and SPE systems?
 - Linked websites simplifies maintenance.
 - A mapping module translates between systems/terms.
 - Ensure basic principles are common.
 - Ensure application guidelines are transportable.
 - Each system should reference the other, where applicable.
 - Hold joint conferences/meetings to help progress alignment. (and align stakeholder needs and expectations)

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Example: Draft Mapping of UNFC and SPE Classes SPE/WPC/AAPG/SPEE Reserves & Resources Classification System Jnited Nations Framework Classification Category Criteria ased Sub-classes Production Discovered Economic, Justified Development Economic, Committed Economic, Producing On Production Producing Developed Non-1.2.1 Economic, Committed, (Non-Producing) Producing Economic, Committed1 (under developmen Development Economic, Committed1 (planned for evelopment development) Potentially Economic, Contingent Sub-Contingent ommercial Development Project Development Pending Economic 1.3 Economic, Uncommitted² (project in inventory) Marginal Economic, Under Investigation Marginal Economic, On Hold³ Sub-Economic Hold Marginal Economic, Unclarified³ Sub-marginal Economic, Not Viable Development No /iable Unrecoverable, Project Undefined Unrecoveral Potentially Undiscovered Prospective Intrinsically Economic, Project Undefined Prospect Undetermined, Project Undefined⁴ Lead Play Undetermined, Project Undefined Undetermined, Project Undefined Unrecoverable Unrecoverable, Project Undefined Mapping is feasible .. but can be complex .. lots of sub-codes

Example: Draft Mapping of UNFC and SPE Categories SPE Technical Uncertainty Categories by Class UNFC Uncertainty Categories Contingent Prospective Resources Geologic Reserves Geologic Uncertainty Resources Codes Proved Measured Low Est Reasonably Assured Geologic Conditions Probable Indicated Best - Low Est G2 Estimated Geological Conditions Possible G3 High - Best Est Inferred Geological Conditions Inferred UNFC has no equivalent cumulative terms Low Estimate Best Estimate 2P 3P High Estimate

All prospects use draft development plans to derive recoverable estimates. Leads and Plays may be characterized by in-place potential only.

Potential Geologic Conditions

May not equate to solid minerals' view of geological certainty

SPE_UNFC "Integration" Project SPE Proposed - Geneva Oct 06 Model Maintained by UN ☐ Introduction (Modified UNFC) Petroleum/Minerals ■ UN Classification Classification Principles •Basic Principles UN Petroleum/Minerals Classification System Classification System Codification **Naintained by SPE** Petroleum Introduction ☐ UNFC applied to petroleum UNFC/SPE Petroleum "Mapping Module" Petroleum Classification, ☐ Link to SPE Website Definitions and **Guidelines**

