



The Legislative Framework of the Malaysian Petroleum Industry

Relationship between the Government, PETRONAS and PSC Contractors



PSC

Key Features

 Rights to explore, develop and produce petroleum resources in Malaysia is vested upon PETRONAS

- Adopt the Production Sharing Contracts (PSC) system
- Stipulates contractual period, management of operations, recovery of costs, division of profit, obligations of parties, etc.

Objectives

- Ensure orderly exploration, development and production of Nation's petroleum resources
- Ensure sustainability of the petroleum industry in Malaysia
- Adds value to the petroleum resources
- Encourage local participation in the petroleum industry

- Promotes investment in exploration, development and production of petroleum resources in Malaysia
- Ensure maximum benefit to the nation





PETRONAS was formed in 1974 to:

- Attract foreign investors in petroleum sector.
- Formulate policies, plans and strategies in the management of the national petroleum resources.
- Promote reserves addition, cost-effective technology and quality management of the petroleum resources.
- Strategically managing the production sharing contracts.

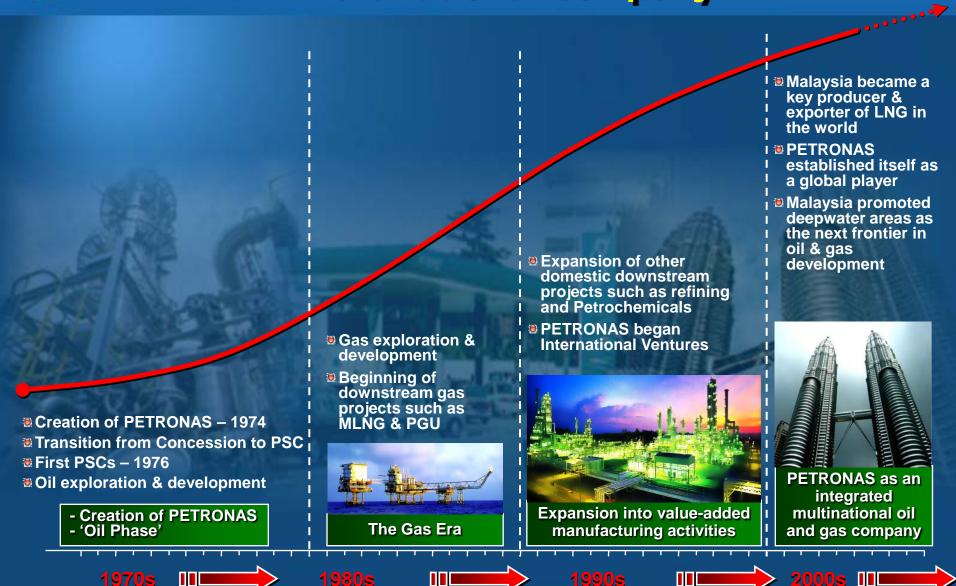


Petroleum Development Act 1974 (PDA)

- An Act to provide for exploration and exploitation of petroleum whether onshore or offshore by a corporation, named PETRONAS.
 - Has vested in PETRONAS the entire ownership in, and the exclusive rights, powers, liberties and privileges of exploring, exploiting, winning and obtaining petroleum, whether onshore or offshore of Malaysia.
 - In return for the ownership and vesting of the rights, powers, liberties and privileges, PETRONAS shall make cash payments to the Federal Government and the relevant State Governments.
- An Act to control the carrying on of downstream activities and development relating to petroleum and its products.
- An Act to provide for the establishment of a Corporation under the Companies Act 1965.
 - Has given creation to PETRONAS and the powers to operate as a business corporation.

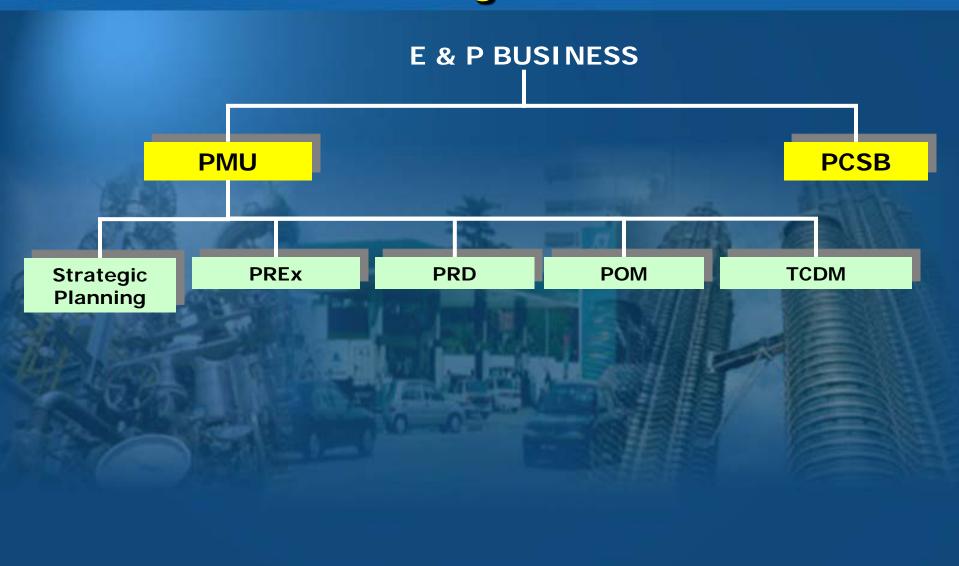


PETRONAS Evolves Over Three Decades into a Multinational Company



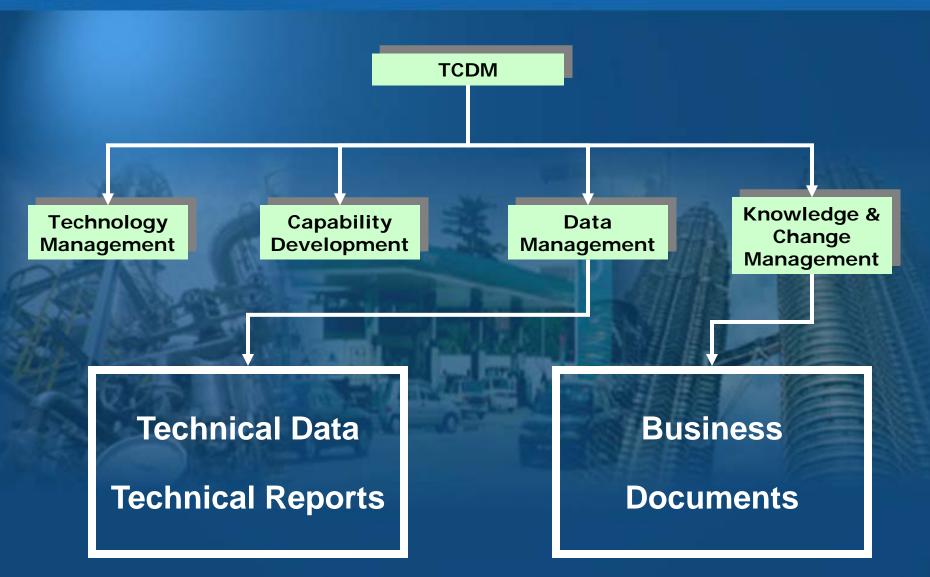


PETRONAS in Malaysian Upstream – How do We Organise...



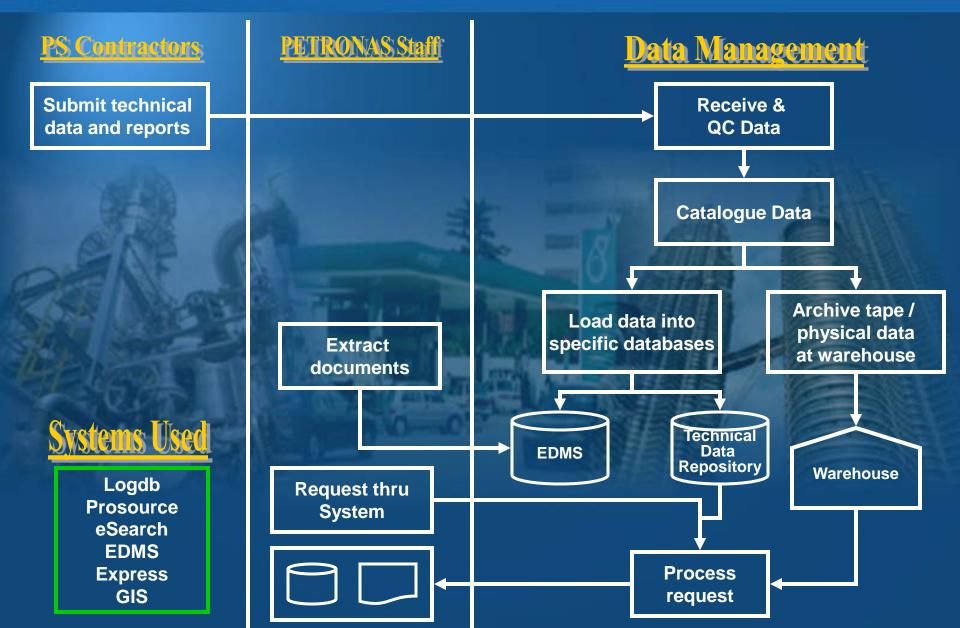


Document and Data Management



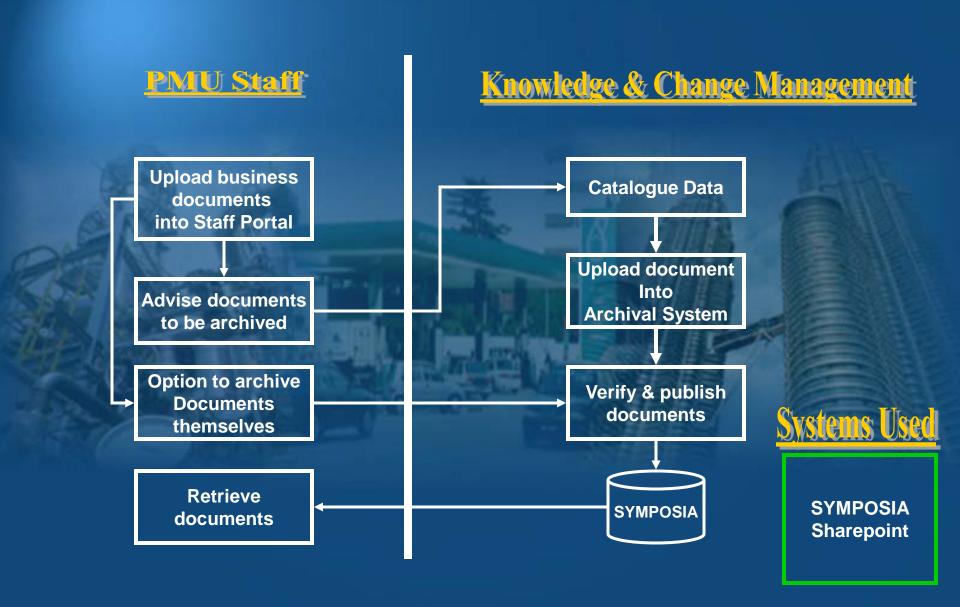


Technical Data & Documents: Process Flow





Business Documents: Process Flow





Taxonomy / Structure

Technical

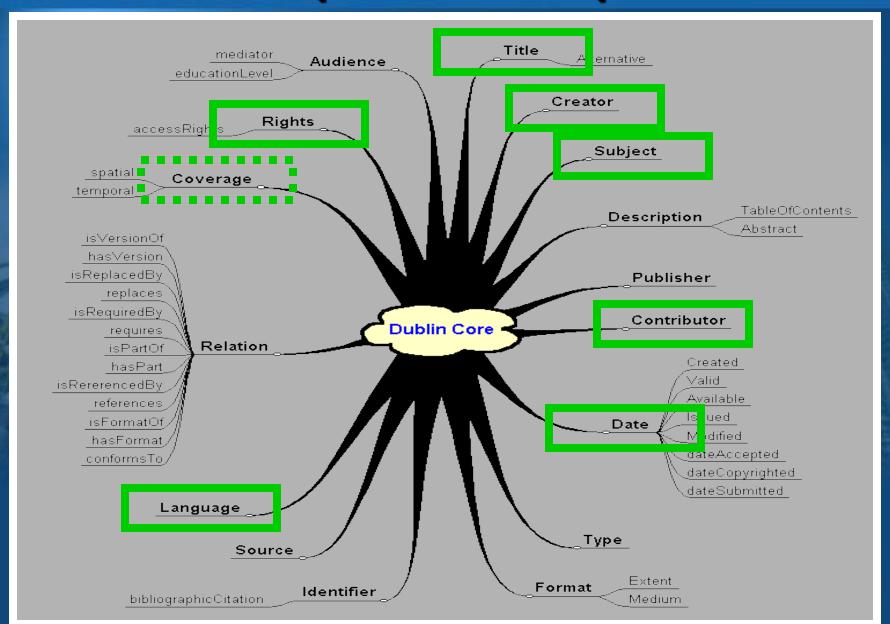
- Technical Documents
 - By country
 - By areas
- Technical E&P Data
 - Data types (Seismic, Logs, Engineering drawings, etc)
 - By country
 - By areas / blocks

<u>Business</u>

- Multiple taxonomies
 - By Departments
 - By Sections
 - Common folders

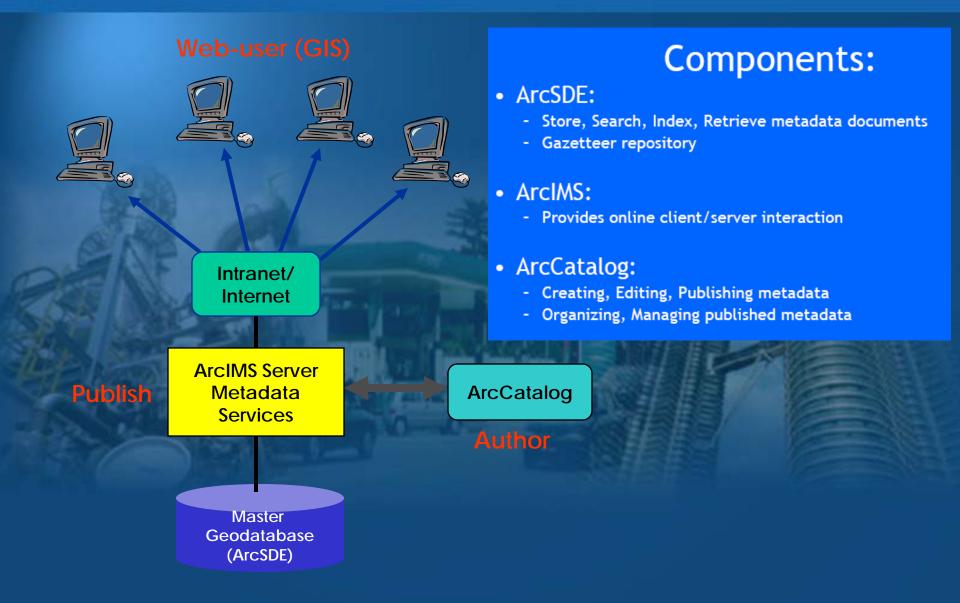


Metadata Standard: Dublin Core Metadata Adopt Selected Simple DC



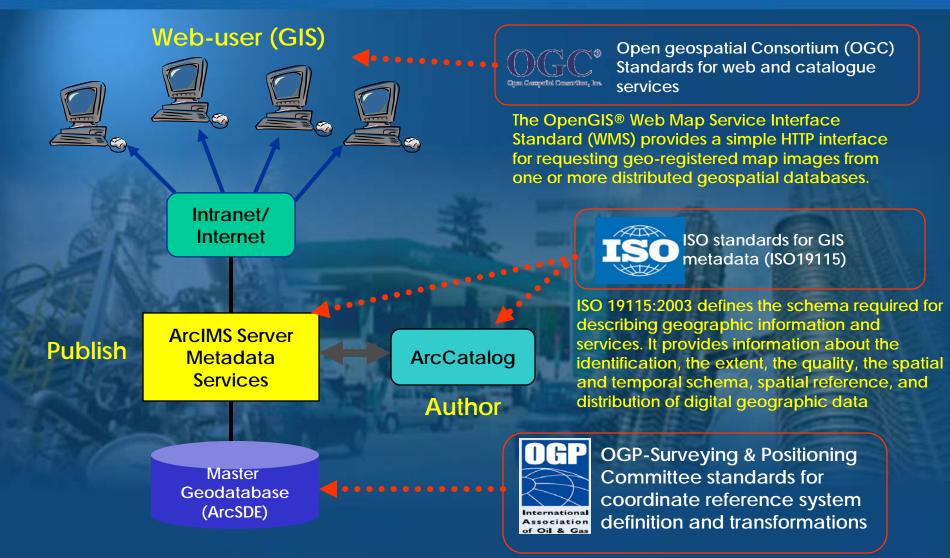


Technical Documents: GIS Metadata





Technical Documents: GIS Metadata



Ensure accuracy & reliability coordinate systems/parameters of the data inside Geodatabase



Challenges

Technical

- Lack of manpower (data specialist)
- Untimely data availability

<u>Business</u>

- Staff working culture & discipline
 - From C-Drive toCentralized Platform
 - Documents are cluttered and disorganized
- Lack of manpower to carry out system roll-out
- Difficult to establish effective master taxonomy



Future Plans

- To review and integrate our business process to enable effective communication with users
- To review and integrate technical and business documents seamlessly



Recommendations

- CCOP to form a committee responsible in benchmarking, establishing and maintaining a standard metadata and data dictionary to be used or referred by member countries.
- The acquired knowledge from this CCOP workshop will be made available and shared among staff member countries through knowledge sharing event



Questions & Answer Session

