

# **Oil and Gas Database Management**

## **Republic of the Philippines**



# Outline

- Background of Oil & Gas Activity
- Standard & Metadata Structure
- Recommendations

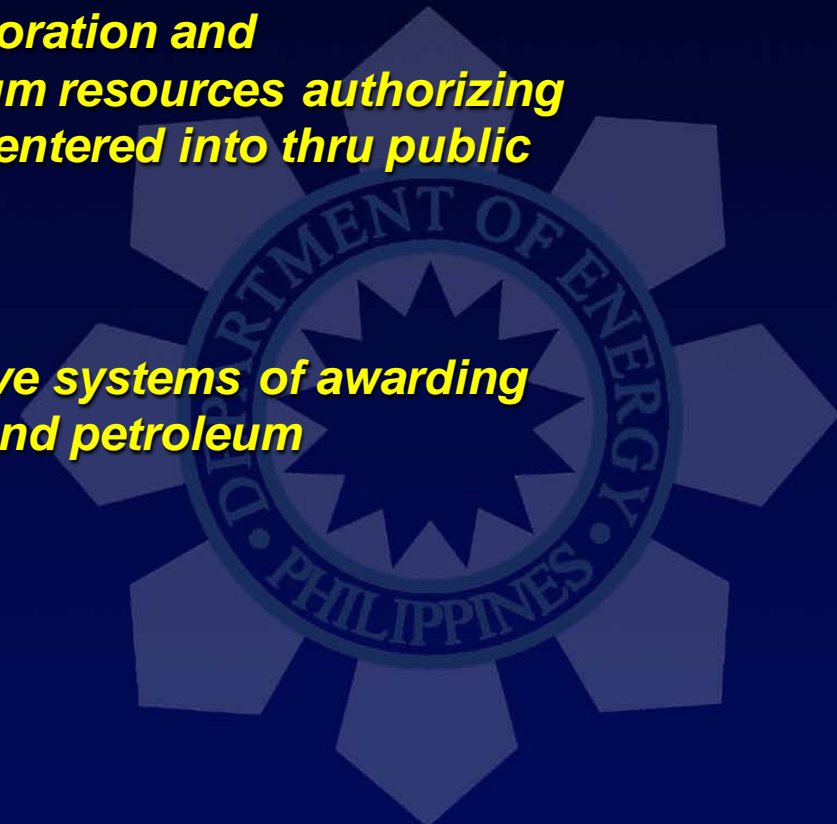


# Background of Oil and Gas Activity

## *Laws and Issuances related to Petroleum Exploration*

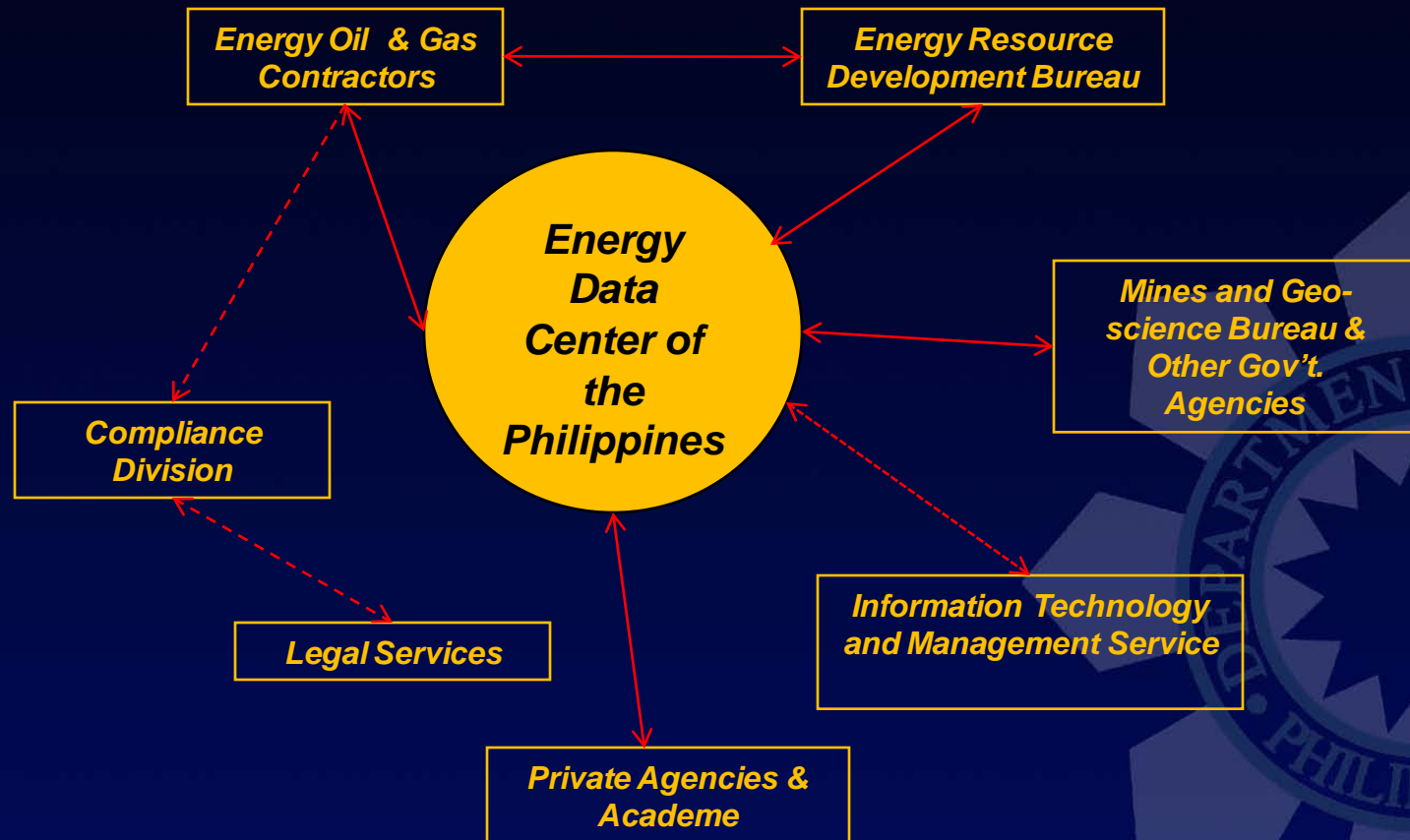
- *Presidential Decree 87*
- *Oil Exploration and Development Act of 1972*
  - *Provides the legal basis for the exploration and development of indigenous petroleum resources authorizing the grant of SERVICE CONTRACTS entered into thru public bidding or through negotiations.*
- *DOE Circular DC-2006-12-0014*
  - *Reiterating a transparent and competitive systems of awarding service contracts for coal, geothermal and petroleum prospective areas*

## *35 Philippine Petroleum Service Contracts*



# Background of Oil and Gas Activity

## Organizations involved



# Standard & Metadata Structure

## ***Metadata Categories***

***Field samples (FS)***

***General reports (GR)***

***Maps, charts and drawings (MCD)***

***Remote-sensed imagery (RSI)***

***Seismic digital tapes (SDT)***

***Seismic support documents (SSD)***

***Seismic support reproducibles (SSR)***

***Well core and samples (WCS)***

***Well reports (WR)***

***Well tapes (WT)***

***Feasibility studies (FS)***

***No International Standard***

***Some concerns in data quality, integrity and security***

***Current DBMS is outdated***



## Future Plans to improve database management

### ***Upgrading of existing database management system to include the following functionalities:***

- ***Acquisition of additional hardware' and software'***
- ***Conversion of 9 inches seismic survey reel tapes to more compact storage media***
- ***Conversion of paper maps/charts, reports and seismic sections to digital data***
- ***Web-based or remote data and information access***
- ***Remote data collection/update of attribute databases***
- ***Centralized storage and backup of statistical data***



# Recommendations

- ***Adopt the CCOP natural gas metadata design & structure***
- ***Data quality, integrity and security should be one of the priorities in oil and gas database management***
- ***The acquired knowledge in the CCOP Metadata workshops should be reported and proposed implementation work plans be recommended to our top management***
- ***Data and Information Management Capacity Building***



***THANK YOU!***

