

## 6. Data Governance

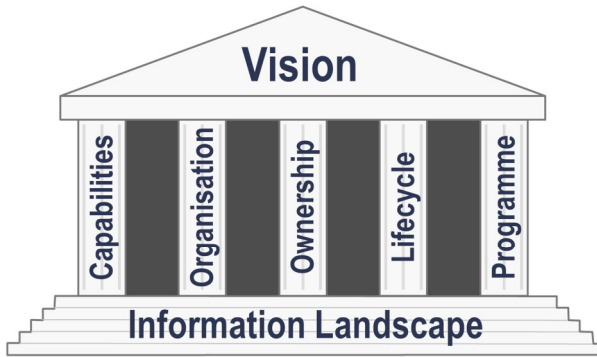


Figure 40: The key aspects of data governance

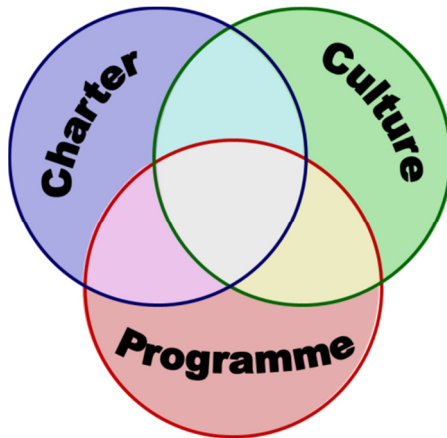


Figure 41: Data Governance consists of three overlapping areas

#	Vision
1	All data is a strategic asset, whether corporate, shared or isolated and underpins the business decisions of the company
2	All data will be handled in accordance with applicable laws and regulations or company standards, whichever are the more stringent
3	Each professional is responsible for disclosing the quality and uncertainty of the data they share with others and for understanding the limitations of the data they employ
4	The ownership of all shared information should be clearly defined, understood and implemented
5	The creation, use and destruction of corporate data should be carried out in compliance with group standards and legislation
6	Within the constraints of safety, budget and corporate standards the company will take every action to realise the full potential value of data assets
7	Any restriction that data handling standards place on the flexibility of working or the creativity of the company's professionals will be justified by a business case

**Figure 42: Example corporate data vision statements**

**DONG E&P Data Ownership Model** EAGE Workshop 27.05.2011  
Vienna

**'The Model'**

Ownership Role >	Data Definition Owner	E&P Data Steward/Owner	Business Owner	Operational Data Steward	Data Custodian	Data / Document Manager	Data User
Seismic	Chief Exploration Geophysicist	E&P IT Owner	Country Manager or New Business (BD & Exploration) Manager	Subsurface / Asset Team Leader	Project Owner/ Manager	Team Assigned person	Anybody who uses the data
Well Log Data	Chief Petrophysicist						
Gas Samples & Well Ops Reports	Chief Operations Geologist						
Expl Geology Data	Chief Exploration Geologist						
Production Geology Data	Chief Production Geologist						
Reservoir Models and Samples	Chief Reservoir Engineer						
Documents	Ownership dependent "Function to which the data relates"						
Internal Physical Data/Docs		Pro/No Application Manager	Library Manager	Library Staff			
External Physical Data/Docs		Country Expl/Prod Manager	EPT Manager	EPT M Staff			
Production Data	Chief Production Engineer	Country Production Manager	Repository Custodian for related Data	Repository Data Manager			
Reservoirs Data	Reservoirs & Portfolio Coordinator	Country Expl/Prod Manager	ICIT Manager	Repository Data Manager			

**Assigned and agreed roles, not names**

**7 'roles' related to Ownership/Stewardship**

**Standard classification of E&P data types**

energy

**Figure 43: Data Ownership roles adopted within DONG**

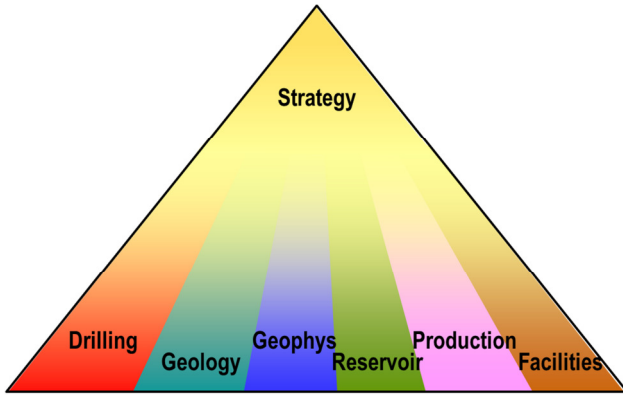


Figure 44: Different domains share an underlying strategy

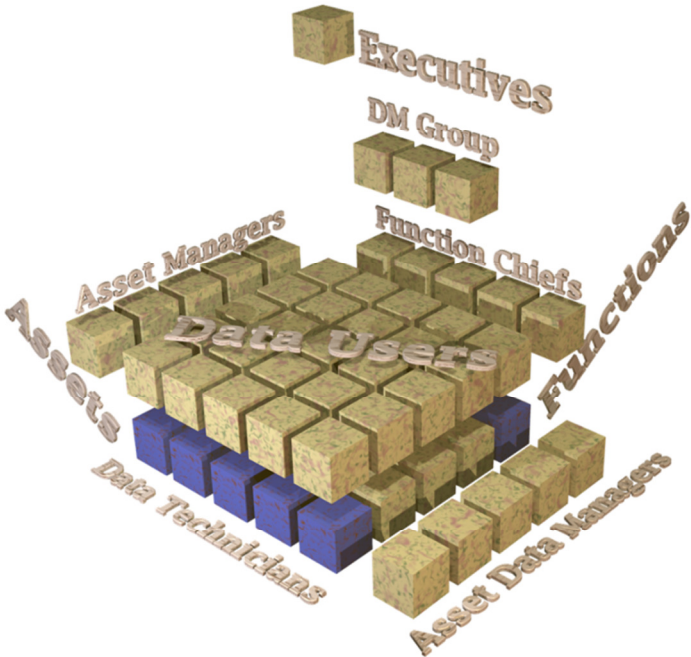


Figure 45: The “normal” structure of an oil company

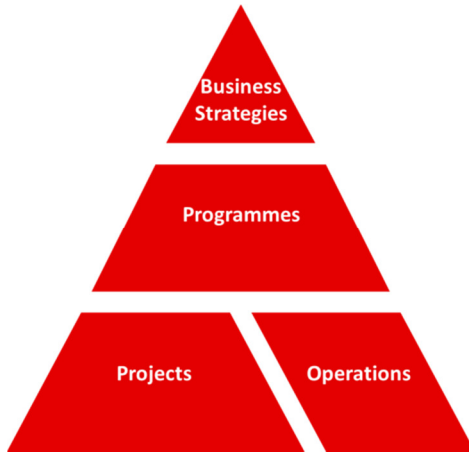


Figure 46: Projects, services, programmes and strategies



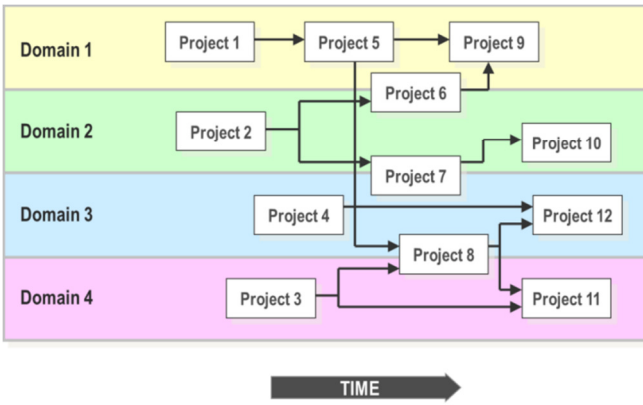
Figure 47: The IM programme addresses a range of conflicting requirements

Project	Benefit Type					Total
	A	B	C	D	E	
1			20			20
2	5		5	10		20
3	5		5			10
4			20		20	40
5		10		5		15
6		5	5	5	5	20
7	10					10
8		20	20	10		50
<b>Total</b>	<b>20</b>	<b>35</b>	<b>75</b>	<b>30</b>	<b>25</b>	<b>185</b>

Key:

- A – customer satisfaction
- B – cycle time reduction
- C – data quality improvement
- D – process improvement
- E – decision quality improvement

**Figure 48: Different types of benefit have to be considered**



**Figure 49: Scheduling dependencies may constrain project start dates**