

Global Energy, Utilities & Mining Conference

National Oil Companies...

16/17 November 2005

Introducing the NOCs...

8 slides, 15 minutes

The resource position...

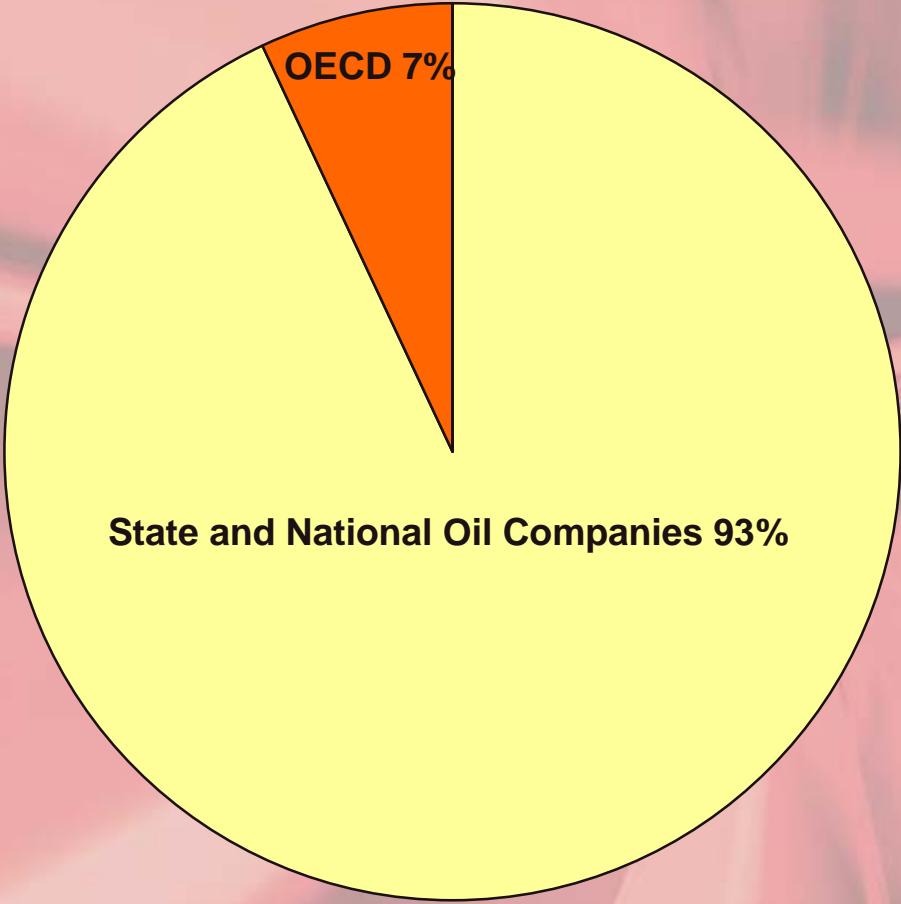
The players...

The trends...

The challenges and issues...

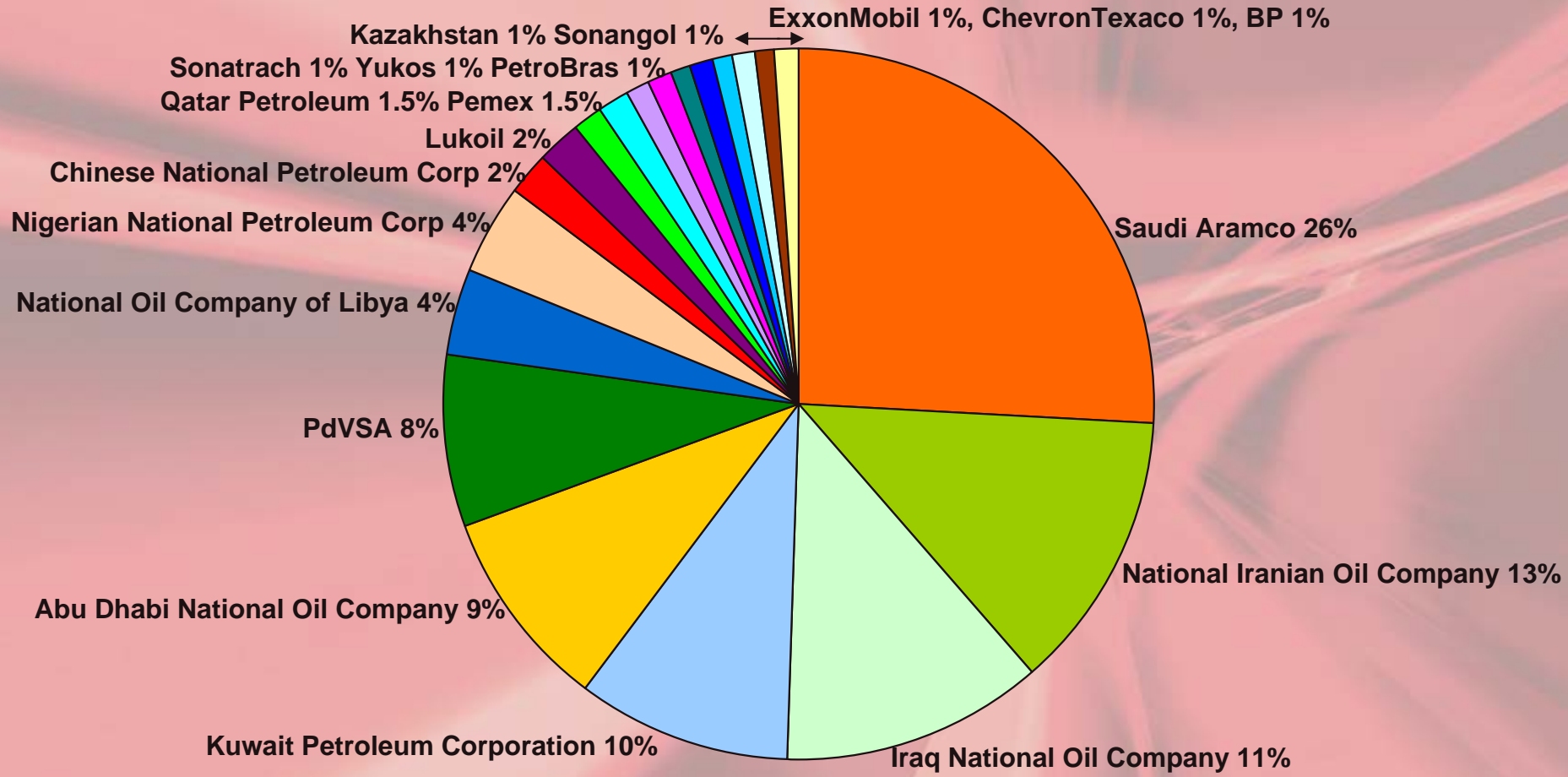
2004 Oil Reserves...who controls them?

Not the 30 countries of the Organization for Economic Co-operation and Development



2004 Oil Reserves of Top 20 Companies...

Representing nearly 90% of the world's proven reserves



From Oil and Gas Journal, BP Statistical Review of World Energy, OPEC Annual Statistical Bulletin

2004 Figures for Reserves and Production...

Supermajors share...oil 3%, gas 2% production 20%

#	Oil Reserves Billions bbls	Gas Reserves Tcf	Oil Production Millions bbls/yr
1	Saudi Arabia 262	Gazprom 1008	Saudi Arabia 3247
2	Iran 132	Iran 976	Iran 1399
3	Iraq 115	Qatar 910	China 1314
4	Kuwait 99	Saudi Arabia 235	Mexico 1234
5	Abu Dhabi 92	Abu Dhabi 196	Venezuela 1098
6	Venezuela 79	Nigeria 180	ExxonMobil 938
7	Libya 39	Algeria 160	BP 923
8	Nigeria 35	Venezuela 152	Nigeria 860
9	China 18	Iraq 110	Kuwait 835
10	Lukoil 16	Turkmenistan 102	Shell 792
11	Qatar 15	Indonesia 90	Iraq 769
12	Mexico 15	Malaysia 87	Abu Dhabi 713
13	ExxonMobil 12	China 78	Lukoil 634
14	Algeria 12	Kazakhstan 70	ChevronTexaco 624
15	BP 11	Uzbekistan 66	Total 620
16	Yukos 11	Egypt 65	Yukos 589
17	Brazil 10	ExxonMobil 58	Brazil 583
18	Kazakhstan 9	Kuwait 55	Libya 577
19	Angola 9	Libya 52	Algeria 478
20	ChevronTexaco 8	BP 46	Kazakhstan 475

From Oil and Gas Journal, BP Statistical Review of World Energy, Energy Information Administration

2004 Oil and Gas Reserves combined...

Only 3 private companies in top 20

BOE Reserves Billion bbls		
1	Saudi Aramco	300
2	National Iranian Oil Company	289
3	Gazprom	168
4	Qatar Petroleum	162
5	Iraq National Oil Company	133
6	Abu Dhabi National Oil Company	124
7	Kuwait Petroleum Corporation	108
8	Petroleos de Venezuela SA	104
9	Nigerian National Petroleum Corporation	64
10	National Oil Company of Libya	47
11	Sonatrach, Algeria	38
12	Chinese National Petroleum Corporation	31
13	ExxonMobil	22
14	Lukoil	20
15	Pertamina, Indonesia	19
16	BP	18
17	Petronas, Malaysia	18
18	Pemex	17
19	Turkmenneft	17
20	Kazmunaigaz	15

From Oil and Gas Journal, BP Statistical Review of World Energy, Energy Information Administration, OPEC Annual Statistical Bulletin

2005 Global Energy, Utilities & Mining Conference

Page 6

PricewaterhouseCoopers

16/ 17 November 2005

2004 Capital and Exploration spending...

Outside of North America

#	Company	Amount (US\$ millions)
1	Pemex	11,124
2	Shell	9,355
3	ExxonMobil	8,900
4	PetroChina	6,873
5	ENI	6,215
6	Total	5,900
7	BP	5,405
8	Petrobras	5,399
9	PdVSA	4,800
10	ChevronTexaco	4,325
11	Statoil	4,012
12	Sinopec	2,960
13	ConocoPhillips	2,635
14	Petronas	2,420
15	ONGC	2,310
16	Repsol	2,280
17	CNOOC	1,900
18	Lukoil	1,900
19	Gazprom	1,890
20	Surgutneftegaz	1,669

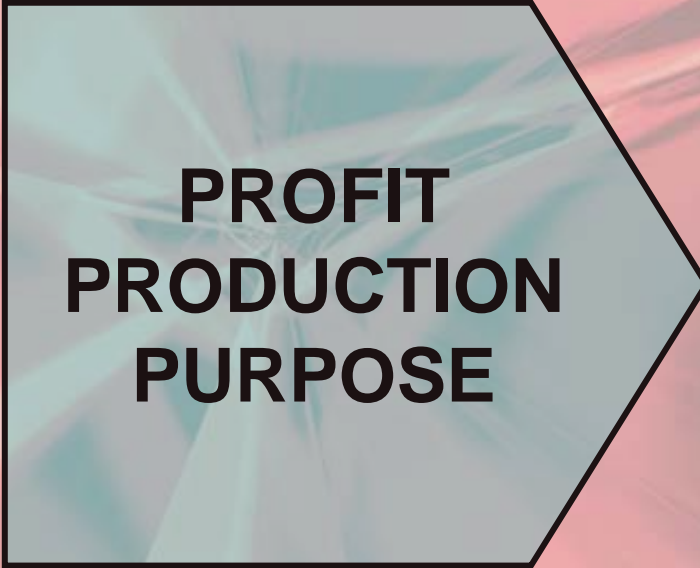
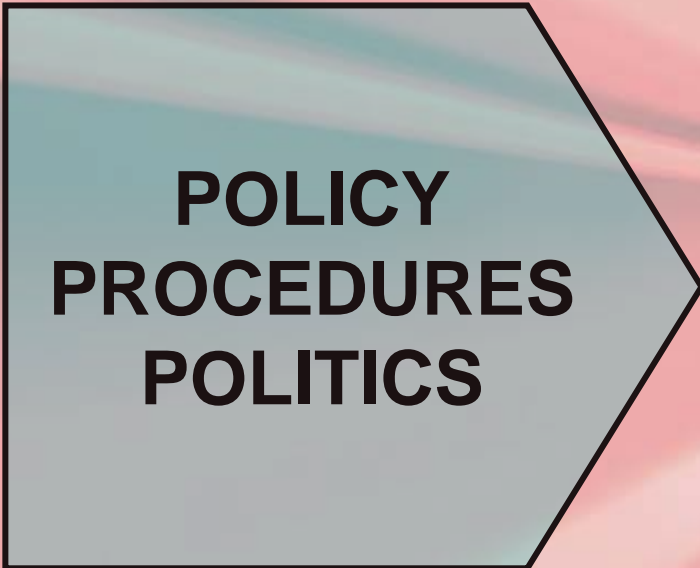
Category	Amount (US\$ millions)	%
IOCs	46,915	50.8
NOCs	45,357	49.2
TOTAL \$	92,272	100.0

No Middle East companies listed, as no data available

From Lehman Brothers E&P Spending Survey, December 2004

Where are they going...

NOCs are not a homogeneous group...there are nearly 100 of them...and they can be anywhere along this journey:



Trends among NOCs...

In today's demand driven environment

The rules are changing...for better and worse

Undertaking more international investments

Winning more blocks...and taking over companies

Learning about the markets and competing

Dealing more with one another...instruments of policy

Lack of cash for reinvestment...need transparency & efficiency

Still struggling with the social versus commercial role

This brings challenges and issues...

Transformations are never easy

Political interference

Governance of the sector

Sectoral restructuring around the NOC

Separation of non-commercial activities

Corporatization and privatization efforts

State Petroleum Revenue Management

Conflicts of acting as owner and regulator

Overall transparency and business practices

NOC commercial and operational efficiency

Downstream competition and subsidized markets

More administrative resources than technical

Effect of external international regulations