

30th JCCP International Symposium



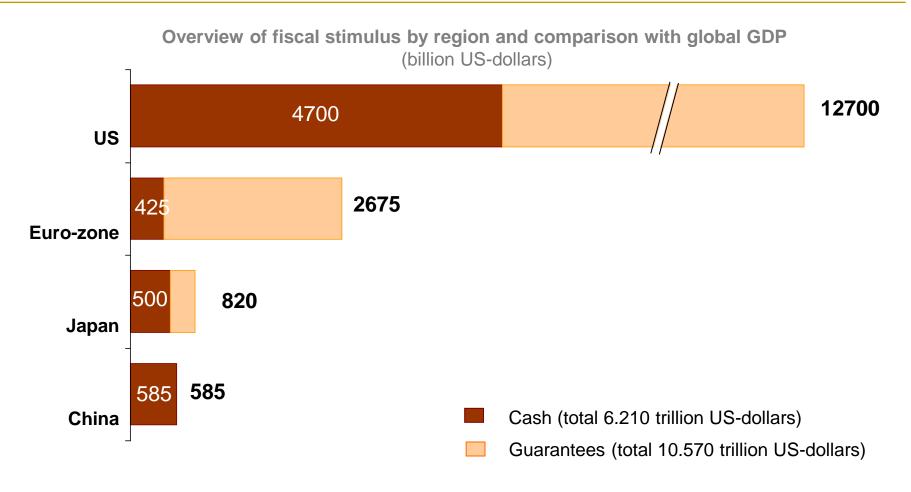
Global Oil Outlook & Future Challenges

25th January, 2012 Vienna, OPEC Secretariat

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Monetary & fiscal stimulus has been critical to back the recovery



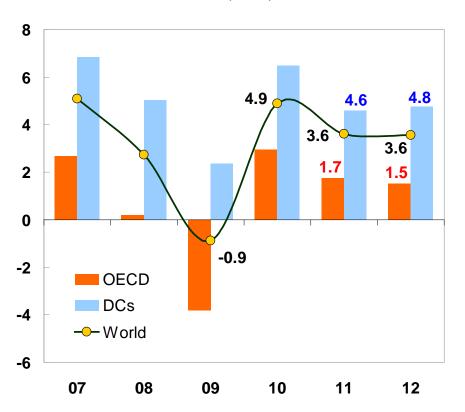


Source: BNP Paribas, Financial Times, der Spiegel, National Development and Reform Commission, CNN, Government of Japan, OPEC Secretariat Note: Estimates are based on the mentioned sources, reflect calculations made by the OPEC Secretariat. They might differ from the actual spending pattern.

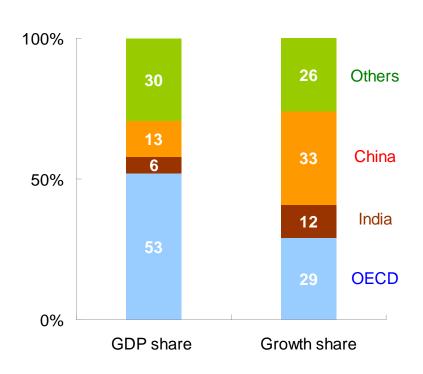
Slowdown in the world economy is evident



World real GDP growth (in %)

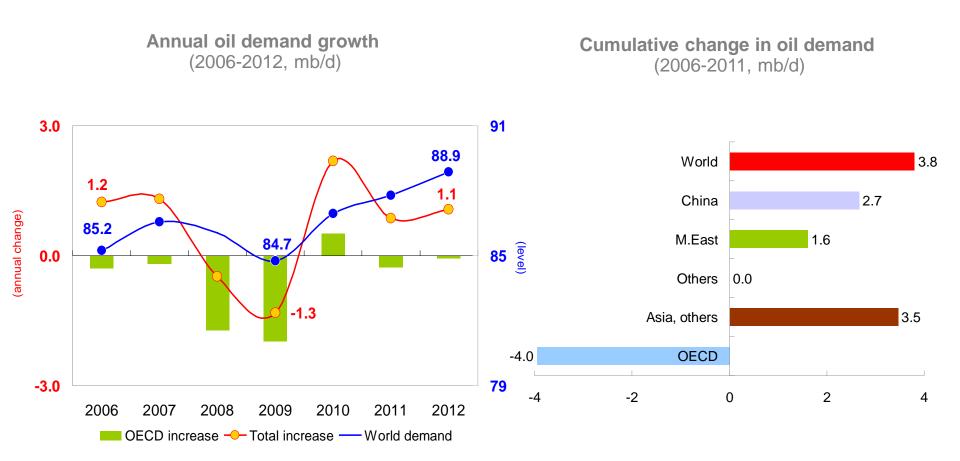


Contributions to the global economy (% shares in value and growth, 2011)



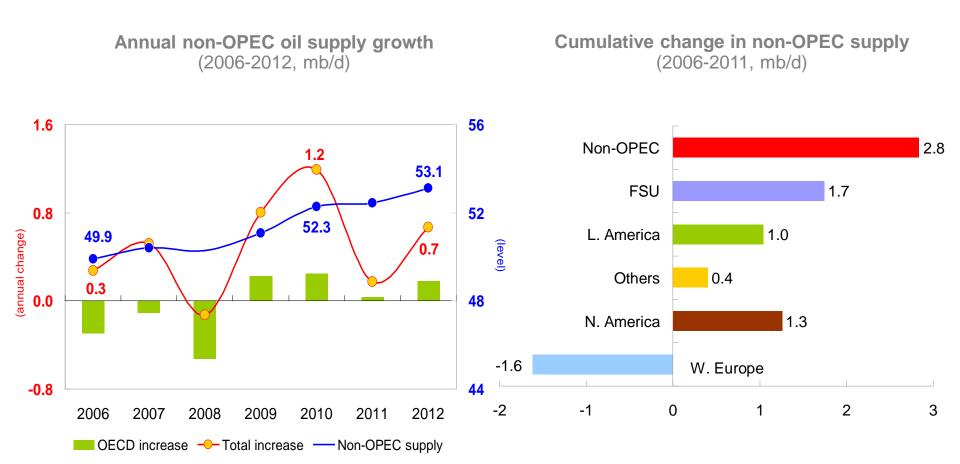
Developing world leads the oil demand expansion





Steady growth is set to continue in non-OPEC supply



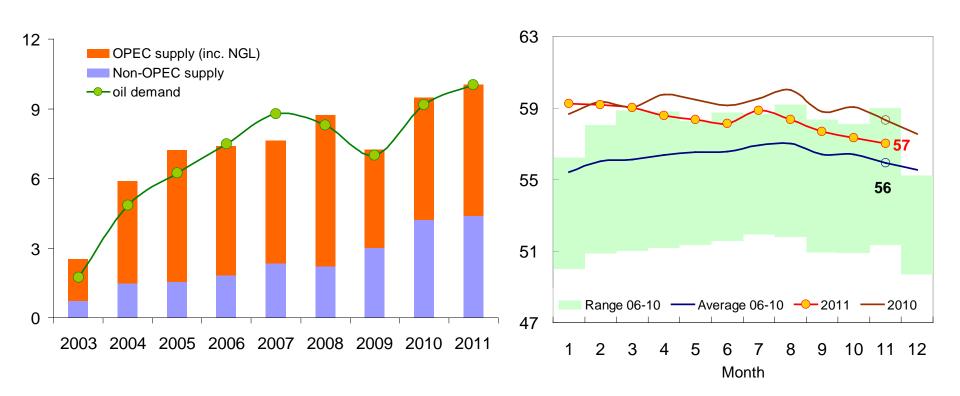


The global oil market is well supplied and balanced



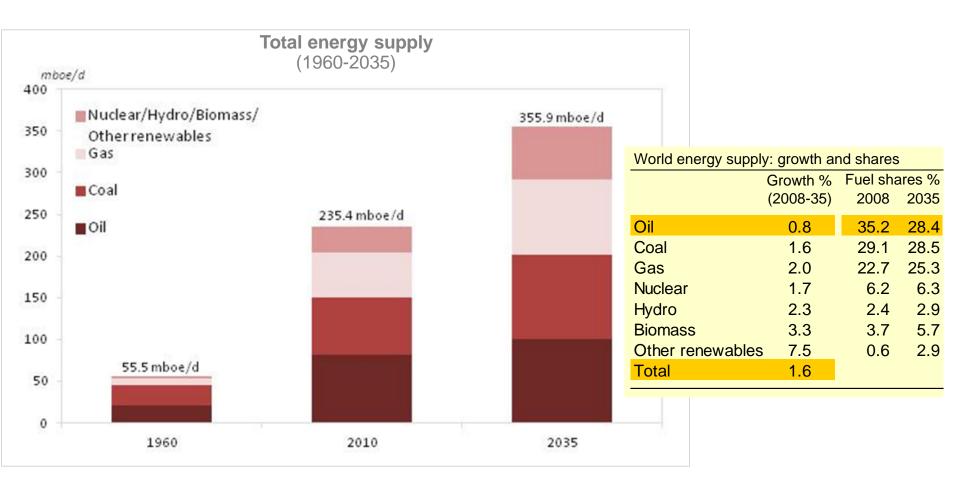
OPEC contribution to the world supply (cumulative change 2003-2011, mb/d)

OECD commercial oil stocks(Days of forward cover, end-November 2011)



World energy demand to increase by over 50%





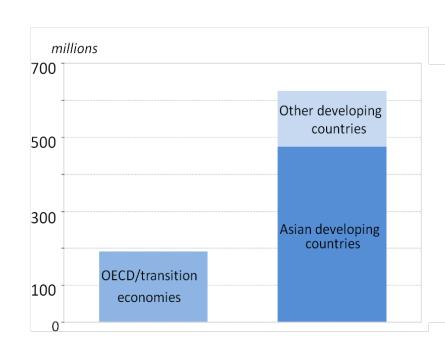
World oil demand outlook: transportation sector is key to growth



World oil demand (Reference case, mb/d)

2010	2015	2020	2035
46.1	46.0	45.2	41.9
35.9	41.8	47.2	61.9
8.9	11.6	13.8	18.4
4.8	5.1	5.3	5.9
86.8	92.9	97.8	109.7
53.1	49.5	46.2	38.2
	46.1 35.9 8.9 4.8 86.8	46.1 46.0 35.9 41.8 8.9 11.6 4.8 5.1 86.8 92.9	46.1 46.0 45.2 35.9 41.8 47.2 8.9 11.6 13.8 4.8 5.1 5.3 86.8 92.9 97.8

Increase in number of passenger cars (2008-2035)



World oil supply outlook: there will be diverse source of supply

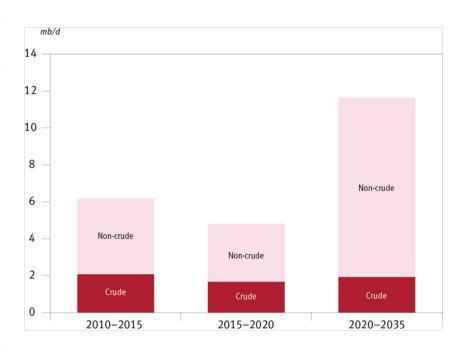


World oil supply (Reference case, mb/d)

_	2010	2015	2020	2035
OECD	19.9	20.3	20.4	22.2
Developing Countries*	16.9	18.4	19.4	19.3
Transition economies	13.4	14.3	14.9	16.1
Total non-OPEC	52.3	55.3	57.3	60.5
OPEC NGL & GTLs	4.9	6.5	7.6	10.0
OPEC crude	29.3	31.3	33.2	39.3
non-OPEC share (%)	60.5	59.4	58.5	55.0

*/excluding OPEC

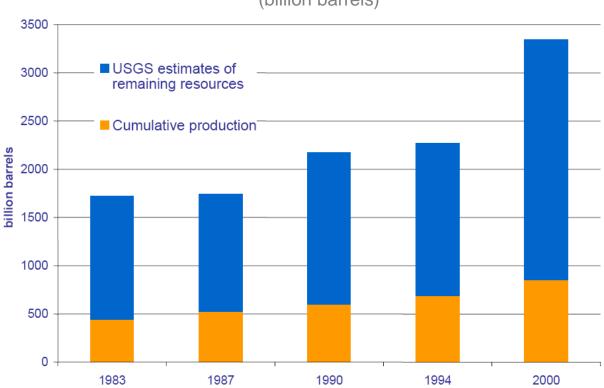
Incremental crude & non-crude oil supply (Reference case, mb/d)



Technology innovation led to expansion of resource base







Source: US Geological Survey.

Broader application of advanced technology plays a critical role

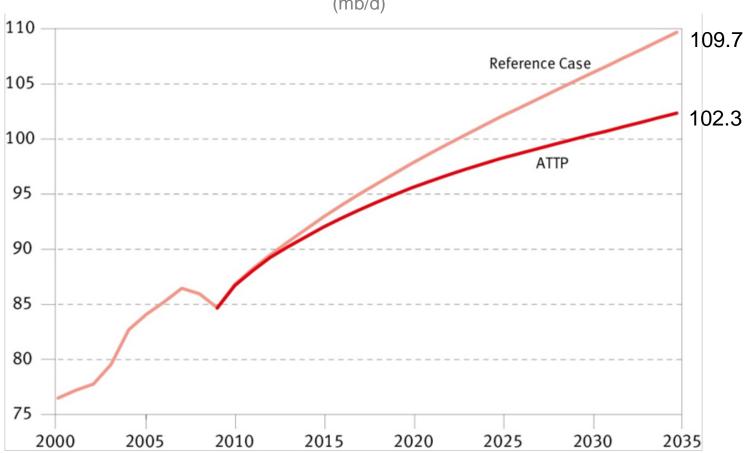


- Investments in technology for exploration
 - Enhanced 3D
 - Time lapse or 4D seismic
- Cutting-edge technologies for frontier fields
 - Use of flexible drills (directional, long-reach drilling)
- Technological advances in enhanced oil recovery
 - CCS technology combined with EOR

The policies and technology extend the uncertainty gap



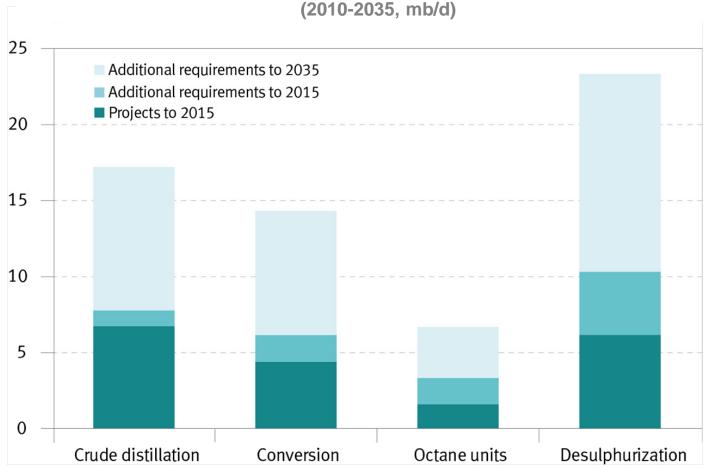




Despite rationalization, long-term capacity additions are large

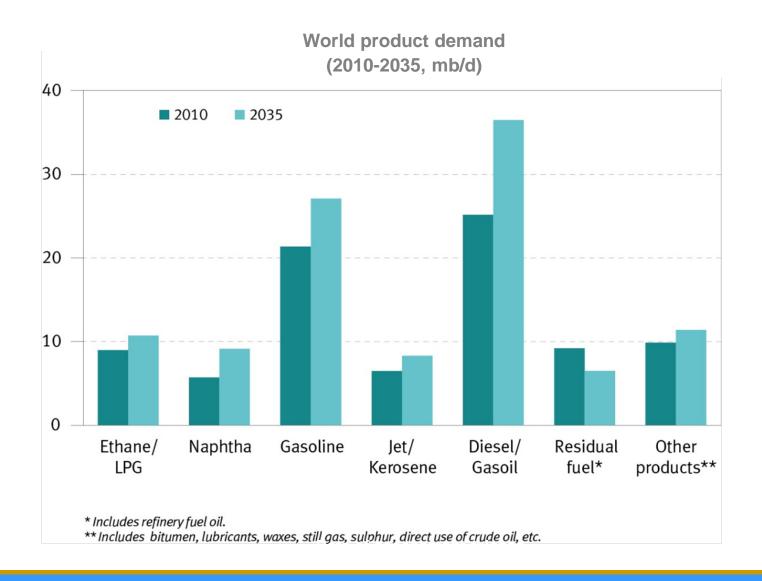






Diesel oil is projected to expand its leading role

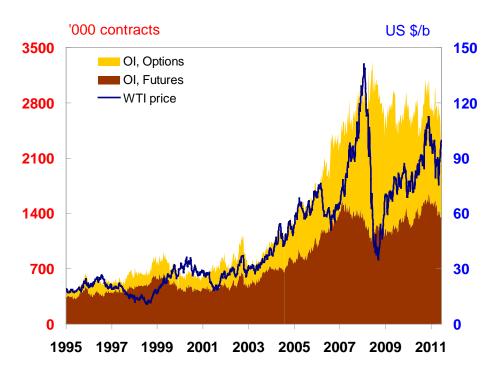




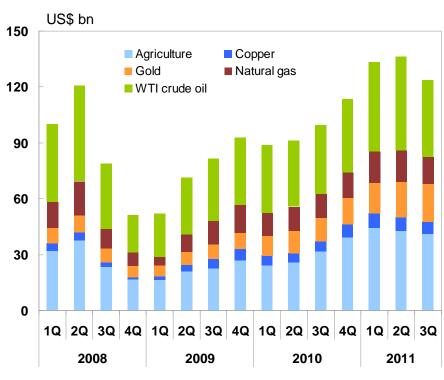
Financial markets increasingly impact oil & commodity prices



Open interest in Futures Markets ('000 contracts, 1995-2011)



Inflow of investment into commodities (US\$ billion, 2008-2011)



Conclusions



- Resource base is sufficient and future supply will come from a wide range of sources
- Uncertainties over future demand constitute a major risk to upstream investments
- Sustainability of demand and supply as a shared challenge reflects the realities of today's globalized, interdependent world
- Enhanced consumer-producer collaboration is imperative
- All stakeholders should together strive for the market stability

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Thank you







