

# Outlook for International Oil Market in 2014



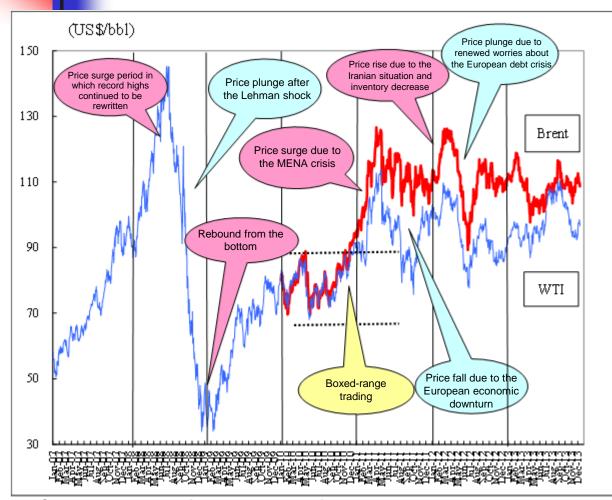
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#### Recent trend of crude oil futures prices

Crude oil prices in 2013 stayed at high levels for the third consecutive year.



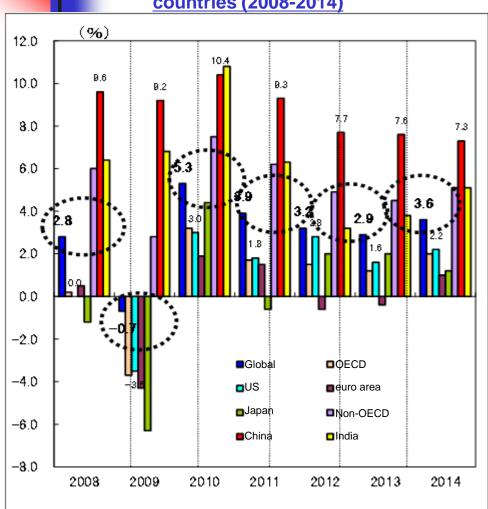
- The average Brent futures price in 2013 (daily closing level for the front-month contract) was \$109/bbl and the WTI futures price was \$98/bbl.
- Prices stayed high for three consecutive years from 2011.
- The Brent price rose close to \$120/bbl in August due to geopolitical risks.
- In April, the Brent price fell below \$100/bbl due to forecasts of easing of the supply-demand balance but rebounded later.
- Basically, the Brent price stayed slightly above \$100/bbl during 2<sup>nd</sup> half of the year.

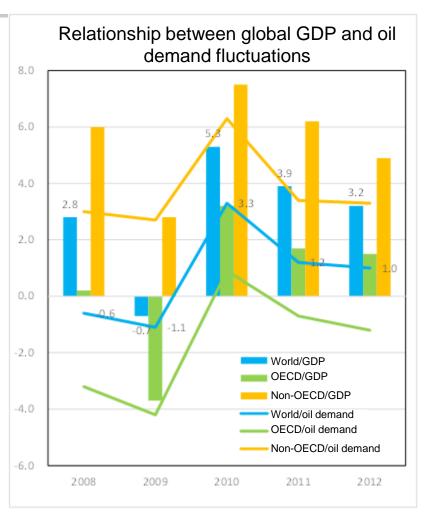


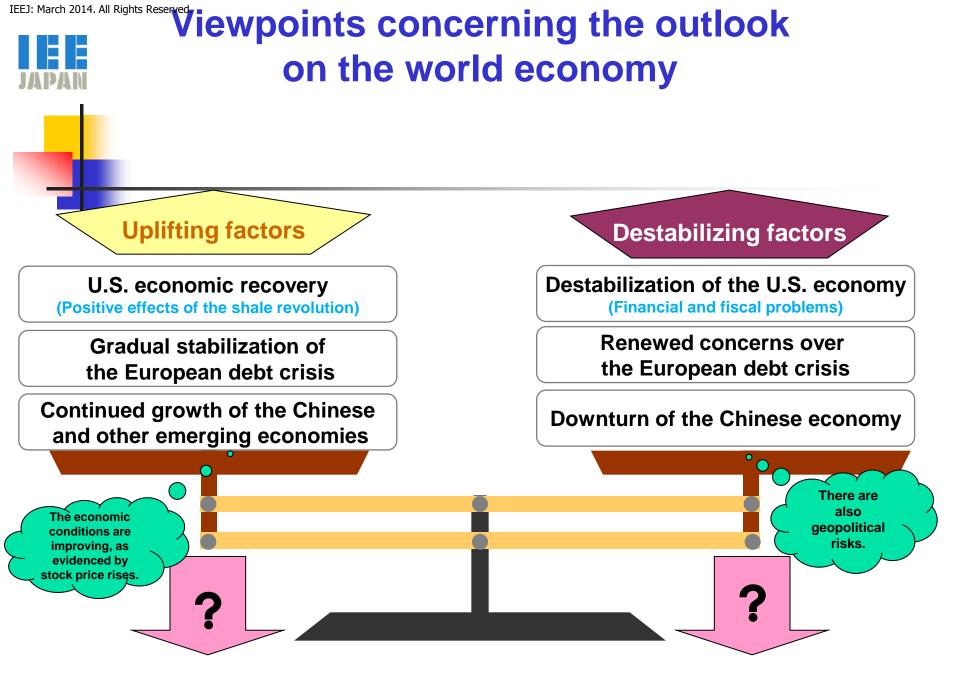
#### Outlook on the world economy in 2014

GDP growth will accelerate in 2014 from the previous two years. There are also downside risks.

Economic growth outlook for major countries (2008-2014)



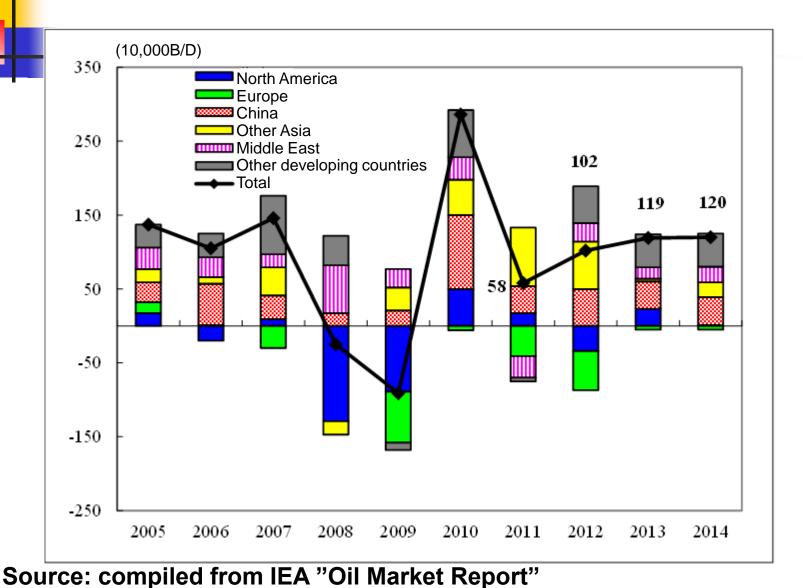






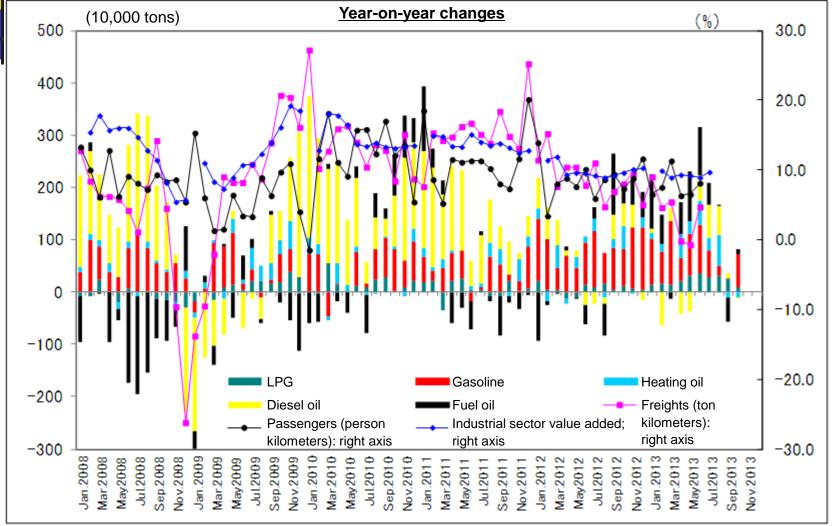
#### **Global Oil Demand Outlook**

Global demand in 2014 may grow by about 1 million B/D from the previous year.



#### Dil Demand (Apparent Consumption) Trend in China

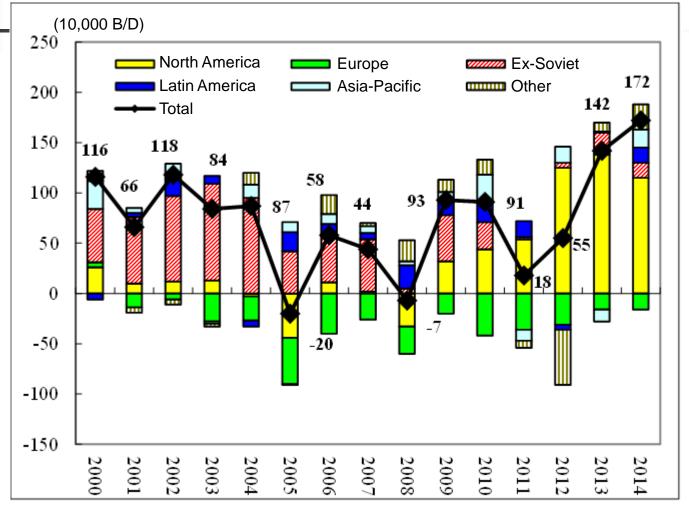
Demand fluctuations are closely related to economic and industrial activities. In recent years, demand growth has been slowing down.



Note: Apparent consumption = production at oil refineries + imports - exports. Excluding data concerning naphtha and other oil products



Non-OPEC oil production in 2014 is expected to increase steadily, led mainly by production in North America.



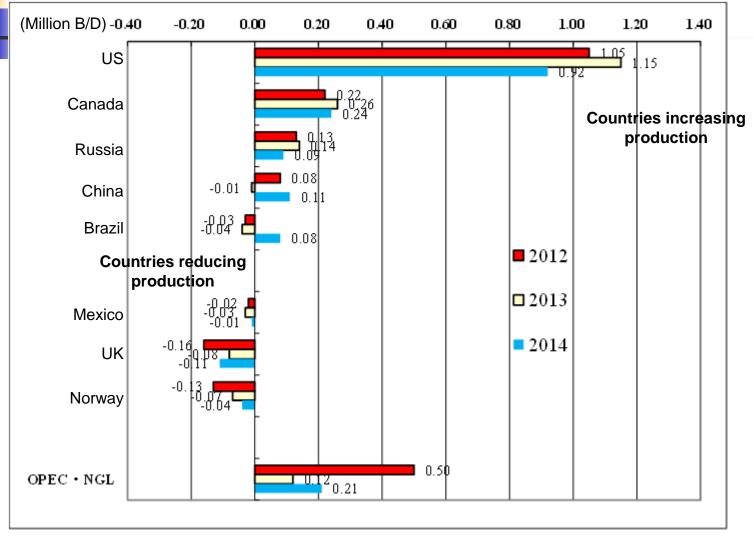
Note: Non-OPEC does not include either Angola or Ecuador but includes Indonesia.

Source: Compiled from IEA "Oil Market Report"



## Changes in Oil Production by Major Non-OPEC Countries in 2014

Production in the US, Canada and Russia will grow, while North Sea oil production will decline. NGL production will grow steeply.



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# **Economic Sanctions on Iran and Geopolitical Risks**



## Attention focusing on how the issue of economic sanctions on Iran will unfold

- The Geneva agreement paved the way for a freeze on the enhancement of economic sanctions for six months.
- During the six-month period, crude oil exports will remain unchanged at the current level (approx. 1 million B/D).
- Although it is unclear whether the sanctions will be fully lifted in the next phase, crude oil exports may increase moderately.
- It will take time for the Iranian oil sector to recover in earnest, but there is huge potential for a production increase in the medium to long term.

#### Notable geopolitical risks

- How the consequences of the Arab spring, including the situations in Syria and Egypt, will unfold and their impact
- The future of Libya's reduced crude oil production and exports
- The situations in Nigeria and Venezuela

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# Possibility of Oil Production Expansion in the Medium Term

#### North America

- Continued expansion of shale oil (LTO) production in the U.S.
- Increase in production of oil sands and other resources in Canada

#### Middle East

- An increase in Iranian production expected if the economic sanctions are lifted
- Iraq's plan to expand production substantially

#### Latin America

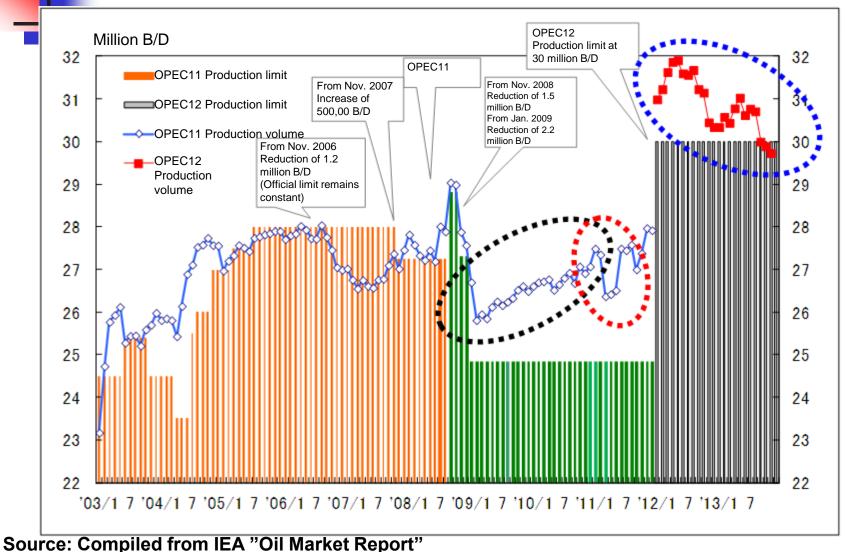
- The production potential of Mexico, which has shifted to a policy of opening the upstream sector to foreign investment
- An increase in production by Brazil, which is promoting a large-scale offshore development project
- Venezuela's abundant resource potentials
- Expectations for resource development in Kazakhstan and Russia as well as frontier and deep-sea resource development
- Major factors behind production increase
  - High crude oil prices, development and spread of advanced technologies, opening of the upstream sector and introduction of foreign investment

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### **Changes in OPEC Production**

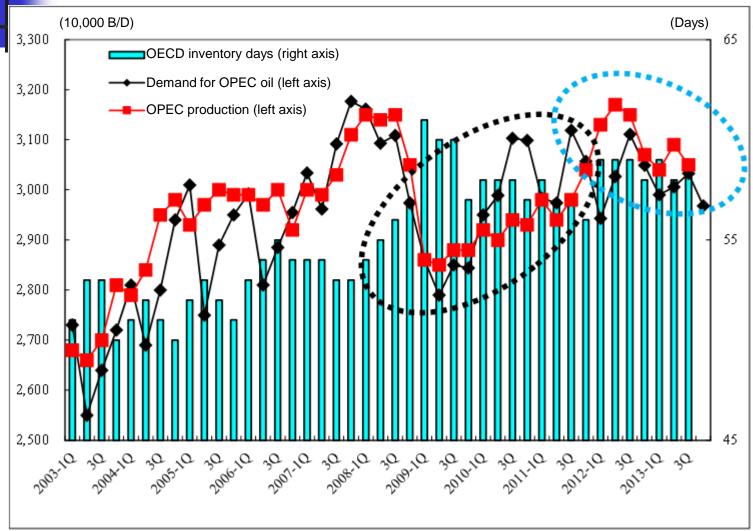
Since 2012, OPEC has kept the production volume above its production million B/D). However, the volume has recently been declining.





#### **OPEC Production and Call on OPEC**

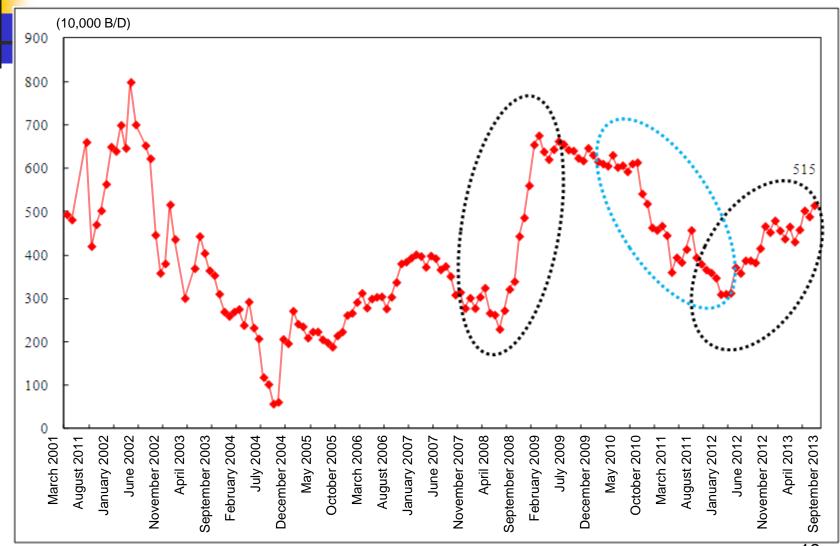
Since 2012, OPEC production has exceeded Call on OPEC. Attention is focusing on how OPEC will act in the future.





## **Changes in OPEC's Surplus Production Capacity**

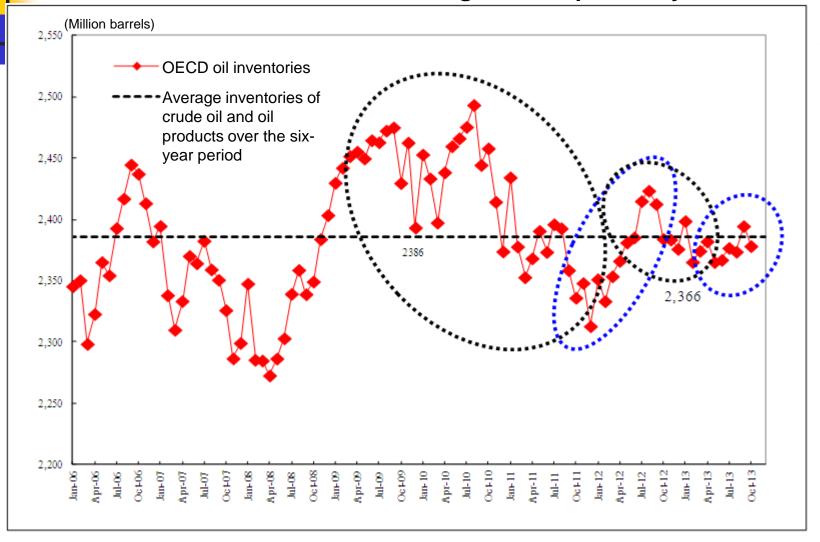
Surplus production capacity, which has grown due to a recent production decline, was at 5.15 million B/D in November 2013.





#### **Changes in OECD Oil Inventories**

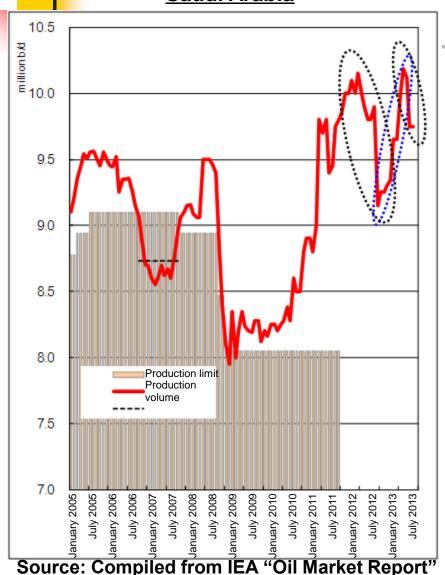
Private-sector inventories, including crude oil and oil products, were almost in line with the average for the past six years.





## Attention focusing on Saudi Arabia's production policy

### Trend of crude oil production by Saudi Arabia



- The world's lowest production cost
- Crude oil price as the key to balancing the budget
- Importance of maximizing oil revenue in the long-term
- Consideration for geopolitical risks



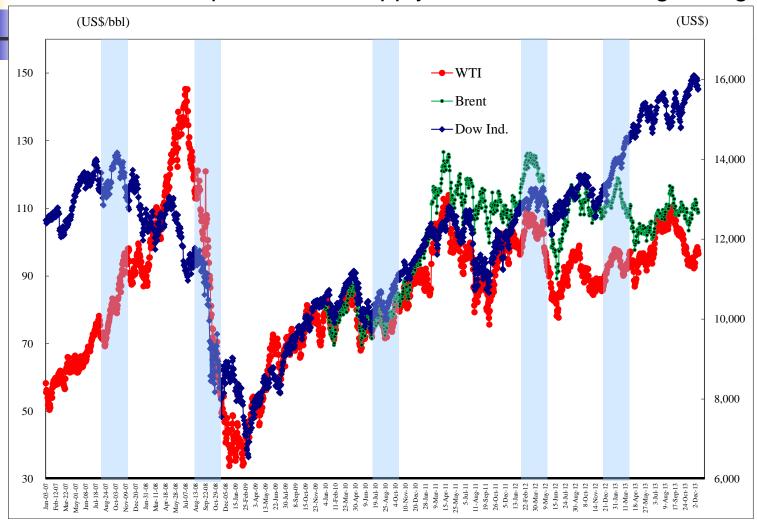
- Impact of the unstable MENA situation, the budget balance and crude oil price rise
- Production decline due to the recent supplydemand balance
- Response to an increase in non-OPEC oil, mainly U.S. tight oil
- Role of a coordinator in dealing with future instability of the supply-demand balance



Growing importance of Saudi Arabia's policies

#### **Financial Markets and Crude Oil Prices**

The linkage between crude oil and stock prices has recently weakened. The importance of supply-demand factors is growing.





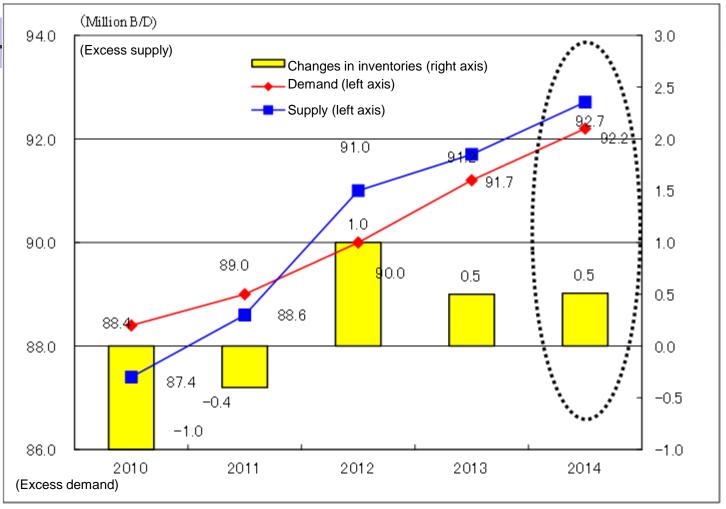
#### Reference Scenario for the 2014 International Oil Market

- Financial and economic factors
  - The growth of the world economy will accelerate to more than 3% in 2014 from the previous two years.
  - There are downside risks for the U.S., European and Chinese economies.
- Supply and demand factors
  - World oil demand will increase by around 1 million B/D from the previous year.
  - Non-OPEC oil supply will increase by around 1.5 million to 1.7 million B/D as a result of an increase in U.S. production. OPEC and NGL supply will increase by around 200,000 B/D.
  - Call on OPEC will decline by 800,000 B/D from the previous year to slightly over 29 million B/D.
  - OPEC needs to reduce production for supply-demand adjustments. The supply-demand balance is expected to be softened.
- Risk factors
  - If geopolitical risks materialize as destabilizing factors, they will trigger (upward) price movements.
- In the abovementioned environment of the 2014 international oil market, the <u>annual average Brent crude</u> <u>price will be around \$105/bbl (±\$10).</u>
  - If expectations of an easing of the supply-demand balance grow, the price may fall below \$100, while it may rise above \$110 if expectations of a tighter balance grow.
- The annual average WTI price will be around \$95 (±\$10) and the CIF for Japanese imports will be around \$105/bbl (±\$10).

International Oil Supply/Demand in 2014

(Reference Scenario)

In 2014, the supply-demand balance will ease if OPEC production stays at the current level.



Note: The 2014 oil supply volume is based on the assumption that OPEC production will stay at the current level (around 29.7 million B/D).

Source: The actual figures were taken from IEA "Oil Market Report" and the estimates were made by the author.



### **Future Market-Destabilizing Factors**

#### <Factors for higher-than-forecast oil prices>

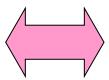
- Key factor: Geopolitical risks for major oilproducing countries
  - Crude oil prices may rise steeply depending on how the risks will play out.
- Financial and economic factors
  - Economic recovery in China and other emerging countries
  - Stabilization of the European economy and recovery of the U.S. economy
- Supply and demand factors
  - Higher-than-forecast growth in demand, mainly in emerging countries
  - A lower-than-expected increase in non-OPEC production
- Risk factors
  - Other geopolitical risks for oil-producing countries
  - Risk of accidents disrupting the oil supply chain

Higher-price scenario



- Key factor: Risks for the world economy
  - Crude oil price may plunge depending on how the risks will play out.
- Financial and economic factors
  - In major countries, economic risks may materialize and the economy may slow down.
  - The Chinese economy also faces downside risks.
- Supply and demand factors
  - Oil demand growth will slow down.
  - Non-OPEC production will grow steadily.
- Risk factors
  - No risks will materialize or produce an impact.







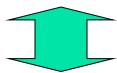
### Outlook on crude oil prices in 2014



- Points of attention regarding the outlook on the 2014 international oil market are (1) world economy, (2) non-OPEC production, (3) the situation in Iran, and (4) geopolitical risks.
- In the reference scenario, which assumes the absence of major unexpected events, the supply-demand balance will ease. The main point of attention regarding the supply-demand balance is OPEC production.
- Crude oil prices (Brent) may vary widely in 2014 depending on how uncertainties regarding the world economy and oil supply and demand will unfold.
  - <u>"Reference scenario": around \$105/bbl ±\$10</u>)(annual average; the same shall apply below)
  - "Higher price scenario": around \$115/bbl±\$10
  - "Lower price scenario": around \$95/bbl±\$10
  - Probability: 60% probability for the reference scenario and almost equal probability for the higher and lower price scenarios.
- The WTI price will be \$95/bbl and the Japan CIF will be \$105/bbl under the reference scenario.
- The possibility of major price movements and high volatility should be kept in mind.



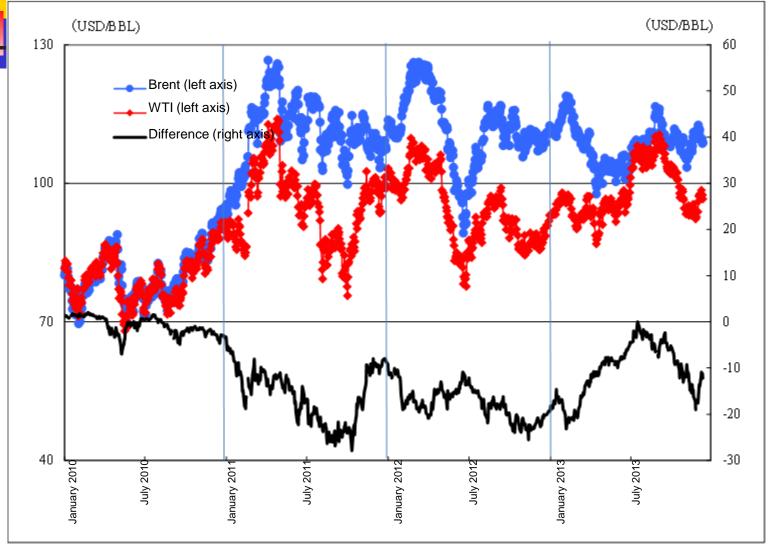
- The average futures price (daily closing level for the front-month contract) between early 2013 and December 17 was:
  - \$108.6/bbl for Brent; \$98.0/bbl for WTI



- The oil price forecast for 2013 released by the IEEJ in December 2012:
  - "Reference scenario": around \$105/bbl (±\$10, annual average; the same shall apply below) for Brent and around \$90/bbl for WTI.
- The actual <u>annual average prices were almost in line with the forecast prices under the reference scenario.</u>

### Reference 2 WTI and Brent Price Trend

In 2013, the price difference between WTI and Brent fluctuated wildly. The difference has recently stayed at around \$15.

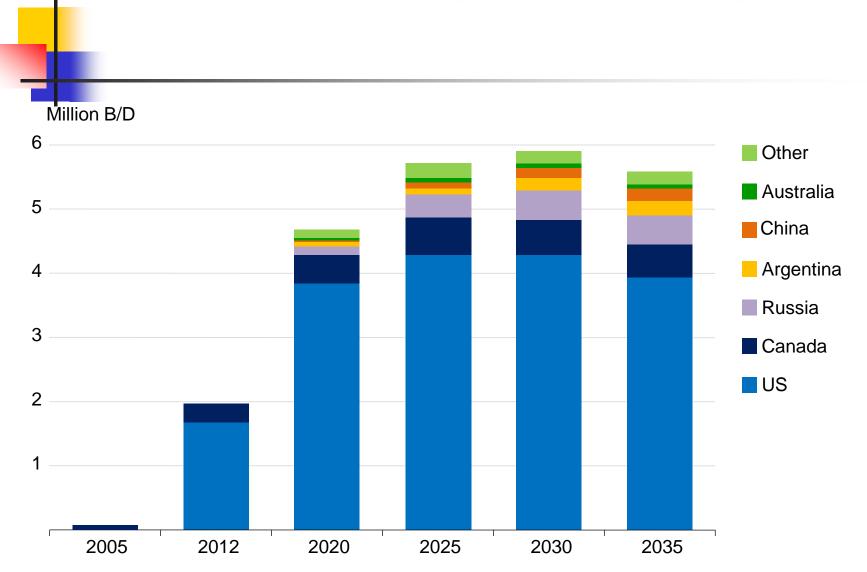


Source: Compiled from NYMEX reference materials, etc.



#### Reference 3 Outlook on Shale Oil (LTO)

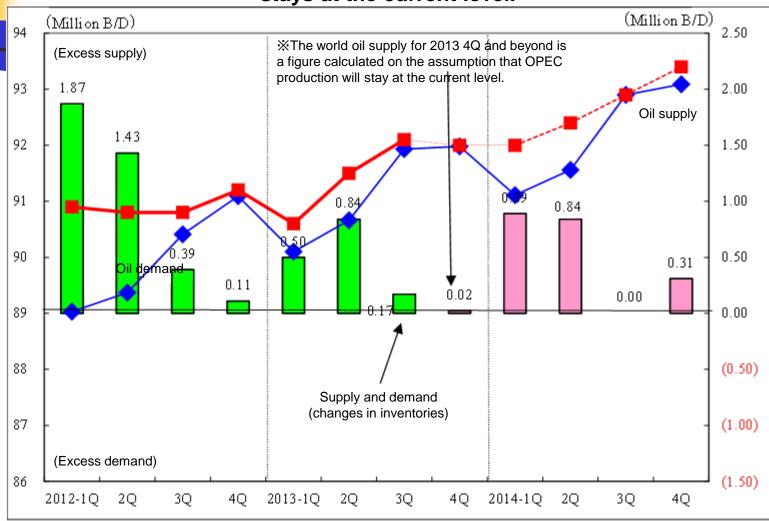
Shale oil production will increase steadily in the medium term, mainly in the U.S.





## Reference 4 International Oil Supply and Demand in 2014 (Reference Scenario)

In 2014, the oil supply-demand balance will be easy if OPEC production stays at the current level.



Note: The oil supply for 2013 4Q and beyond is an estimate based on the assumption that OPEC production will stay at the current level.

Source: The actual figures were taken from IEA "Oil Market Report" and the estimates were made by the author.