Oilwatch Monthly - May 2010

Your coverage on the latest worldwide oil market developments

A price bottom of 60 dollars per barrel

The price of oil in 2010 has not yet dropped below 70 dollars per barrel, given the state of our economy and the fundamentals on the oil market this is an amazing and difficult to explain development.

First, the 'recovery' of the economy that is buzzing in the mainstream media is only a slight improvement from the large plunge in economic activity. Job losses, dropping car sales, and industrial output declines in the US leveled off late 2009, and have either stabilized or seen only meager increases from their lows. The state of the global economy is bad and the finances of most nations certainly have become worse as bank debt has been taken over by governments.

Second, based on oil market fundamentals one would expected strong downward pressure on oil prices. Non-OPEC oil production has been increasing steadily since late 2009, the OPEC cartel has a large surplus of oil production capacity of 5+ million barrels per day, and OECD crude oil stocks are at very high levels compared to the past five years above a 1000 million barrels.

The continuance of high oil prices is likely due to marginal costs of oil production. In a 2009 McKinsey report it was estimated that stripper wells in the United States require a price support level of 63 dollars per barrel to break even.* U.S. Stripper wells produce approximately 1 million barrels per day of total supply. In our environment where oil demand has stabilized at the end of last year after its decline, and because oil is a relatively inelastic good, the oil price seems to have returned towards a price level slightly above the cost of the most expensive marginal producers.

Rembrandt Koppelaar - President ASPO Netherlands

*Mckinsey Global Institute, 2009, Averting the next energy crisis

Definitions

Crude Oil, petroleum found in liquid and semi liquid form including deepsea oil and

lease condensates.

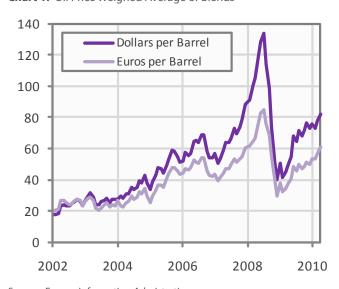
Liquids, all forms of liquid fuels including

> conventional, heavy, and extra heavy oil, oil shale, oil sands, natural gas liquids, lease condensates, gas-to-liquids, coal-to-liquids,

and biofuels.

One Barrel of oil is equivalent to 159 litres

Chart 1: Oil Price Weighed Average of Blends



Source: Energy Information Admistration

17 May 2010 - (next update: 14 June 2010)



Rembrandt Koppelaar +31 (0)6 44082419

contact@peakoil.nl www.peakoil.nl

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World liquid fuels production

In April 2010 world production of all liquid fuels remained stable from March according to the latest fgures of the International Energy Agency (IEA). Resulting in total world liquid fuels production of 86.62 million b/d. Liquids production for March 2010 was revised downwards in the IEA Oil Market Report of May from 86.8 to 86.6 million b/d. Average global liquid fuels production in 2009 was 84.94 versus 86.6 and 85.32 million b/d in 2008 and 2007.

World biofuels production

Total world biofuels production in April 2010 is estimated at 1.93 million b/d based on statistics compiled from the Energy Information Administration, and the International Energy Agency. With an estimated 855,000 b/d from the United States, 630,000 b/d from Brazil and 450,000 b/d from other countries.

World oil production capacity

Total oil production capacity in April 2010 decreased by 85,000 b/d from March 2010, from 90.17 to 90.09 million b/d. World production capacity is measured here as the sum of world liquids production excluding biofuels plus total OPEC spare capacity excluding Iraq, Venezuela and Nigeria.

Chart 2: Liquids Production January 2004 - April 2010

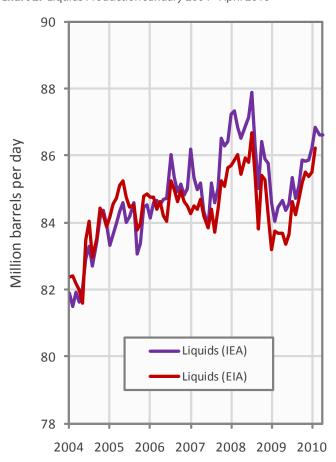


Chart 3: World Biofuels Production Jan. 2004 - April 2010

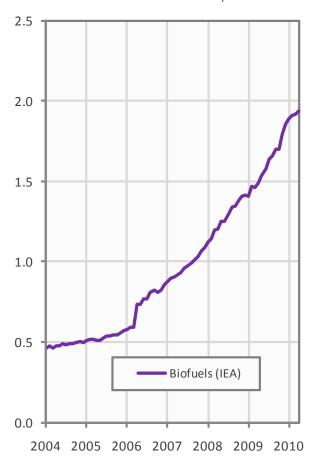
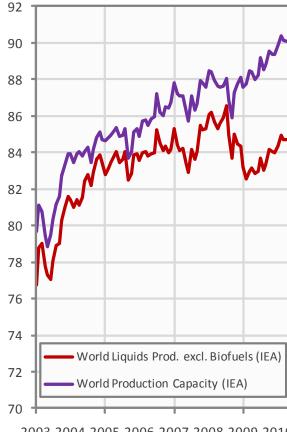


Chart 4: World Production Capacity Jan. 2003 - April 2010



2003 2004 2005 2006 2007 2008 2009 2010

Source: IEA, EIA,

Source: Energy Information Administration

EIA liquids versus IEA liquids excluding biofuels production

Liquid fuels production figures published by the Energy Information Administration in their International Petroleum Monthly excludes biofuels produced in countries beside the United States and Brazil. The remaining difference is caused by discrepancies between natural gas liquids and Canadian unconventional oil production.

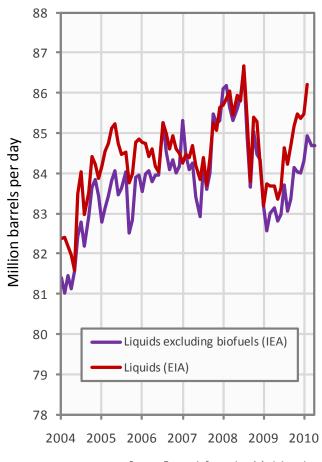
World crude oil production

Latest figures from the Energy Information Administration (EIA) show that crude oil production including lease condensates increased by 442,000 b/d from January to February 2010. Resulting in total production of crude oil including lease condensates of 73.59 million b/d.

World natural gas liquids production

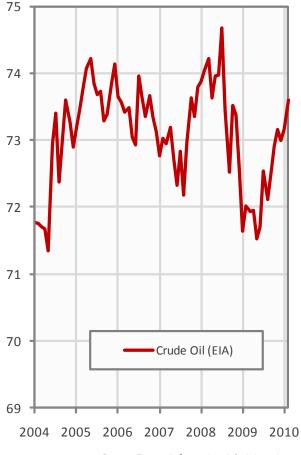
Natural Gas Liquids production from natural gas fields increased by 98,000 b/d from January to February 2010 according to the latest International Petroleum Monthly of the Energy Information Administration (EIA). Resulting in total NGL production of 8.44 million b/d.

Chart 5: EIA & EIA Liquids Comparison Jan. 2004 - April 2010



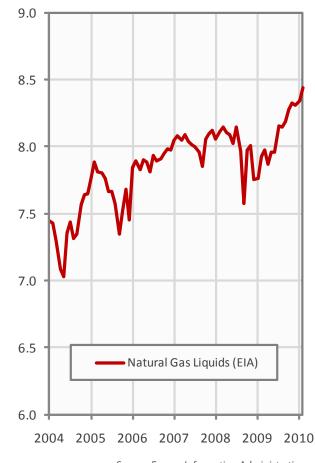
Source: Energy Information Administration

Chart 6: Crude Oil Production January 2004 - April 2010



Source: Energy Information Administration

Chart 7: Nat. Gas Liquids Production Jan. 2004 - February 2010

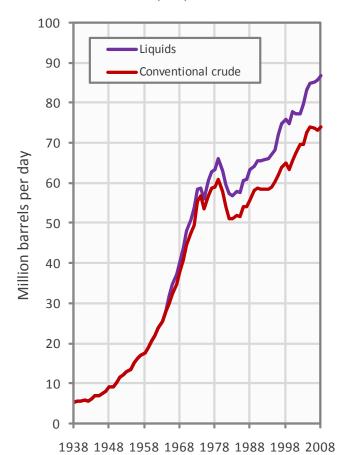


Source: Energy Information Administration

World conventional crude versus liquids production ratio

Approximately 85% of world liquid fuels production in 2008 came from conventional crude oil including lease condensates. The remaining share of 15% was produced by unconventional sources including Biofuels, Extra Heavy Oil, Tar Sands, Polar Oil and Natural Gas Liquids. In absolute amounts unconventional production has increased steadily, from 4 million b/d at the end of the 1970s, to approximately 12.9 mb/d in 2008, excluding lease condensates.

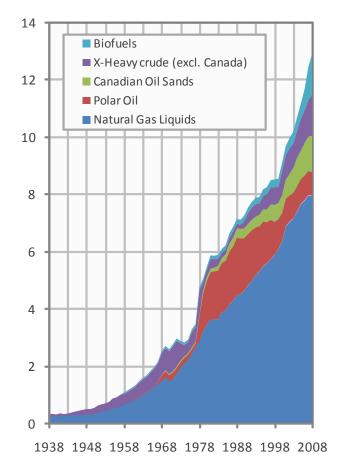
Chart 8: World Crude and Liquids production 1938 - 2008



World unconventional liquid fuels production

In 2008 the biggest part of unconventional liquid fuels production came from Natural Gas Liquids at 11% or 7.94 million b/d. Secondly, extra heavy crude and bitumen at 3.4% or 2.68 million b/d of which 1.27 million b/d from Canadian oil sands and 1.41 million b/d from other sources. Thirdly, Biofuels at 1.8% or 1.45 million b/d. A and finally Polar Oil at a production rate of 840,000 b/d in 2008 or 1.1% of total liquids supply.

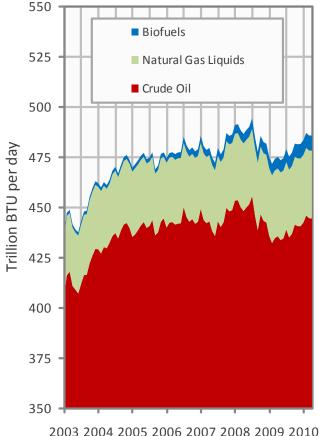
Chart 9: Unconventional Oil Production 1938 - 2008



World energy content from liquid fuels production

In production statistics all liquid fuels are aggregated as total 'oil' production while containing different amounts of energy per barrel produced. For example, a barrel of crude oil contains around 5.8 million British Thermal Units while a similar barrel of natural gas liquids contains 4.2 million BTU. Conversion to BTU's shows that actual available energy worldwide in January 2010 was 3.3% lower than liquids statistics counted in barrels would suggest.

Chart 10: World Production in BTU January 2003 - April 2010



Source: International Energy Agency

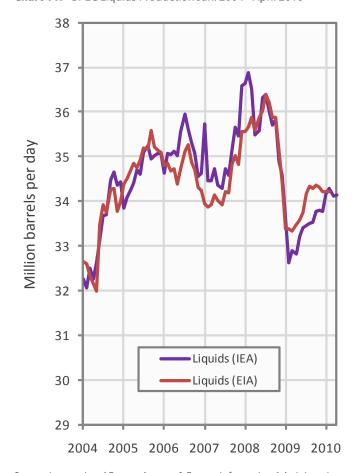
Source: International Energy Agency & Energy Information Administration

Source: EIA, EIA & CAPP

OPEC liquid fuels production & production capacity

Total liquid fuels production in OPEC countries increased by 40,000 b/d from March to April 2010 to a level of 34.15 million b/d. Liquids production for March 2010 was revised downwards in the IEA Oil Market Report of May from 34.13 to 34.11 million b/d. Average liquid fuels production in 2009 was 33.7 million b/d, versus 36.09 and 35.02 million b/d in respectively 2008 and 2007. All time high production of OPEC liquid fuels stands at 36.4 million b/d reached in July 2008.

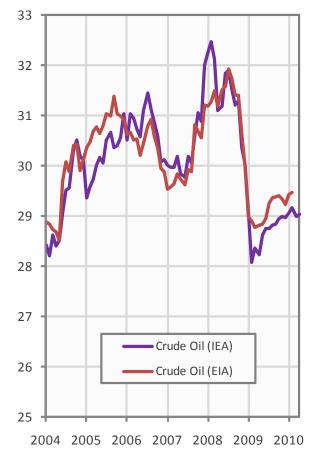
Chart 11: OPEC Liquids Production Jan. 2004 - April 2010



OPEC crude oil production

Total crude oil production excluding lease condensates of the OPEC cartel increased by 40,000 b/d to a level of 29.02 million b/d, from March to April 2010, according to the latest available estimate of the IEA. Average crude oil production in 2009 was 28.7 million b/d, versus 31.43 and 30.37 million b/d in respectively 2008 and 2007.

Chart 12: OPEC Crude Oil Production Jan. 2004 - April 2010

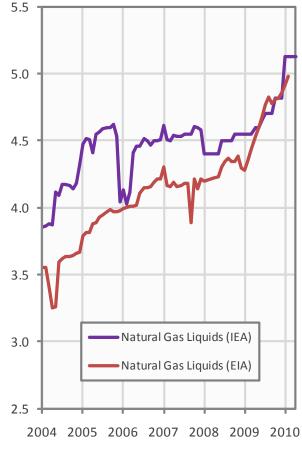


Source: Energy Information Administration

OPEC natural gas liquids production

OPEC natural gas liquids remained stable from March to April 2010 at a level of 5.13 million b/d. Average OPEC natural gas liquids production in 2009 was 4.67 million b/d, versus 4.47 and 4.55 million b/d in respectively 2008 and 2007.

Chart 13: OPEC NGL Production January 2004 - April 2010

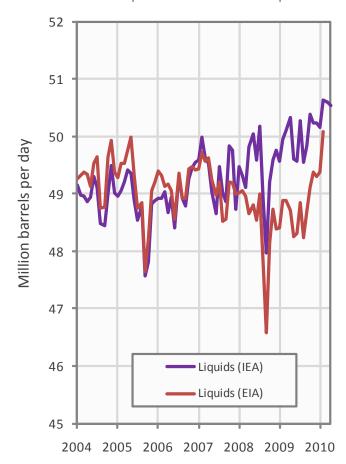


Source: Energy Information Administration

Non-OPEC liquid fuels production

Total liquid fuels production excluding biofuels in Non-OPEC countries decreased by 55,000 b/d from March to April 2010. Resulting in a production level of 50.53 million b/d according to the International Energy Agency. Liquids production for April 2010 was revised upwards in the IEA Oil Market Report of May from 50.55 to 50.59 million b/d. Average liquid fuels production in 2009 was 49.67 million b/d, versus 49.32 and 49.34 million b/d in respectively 2008 and 2007.

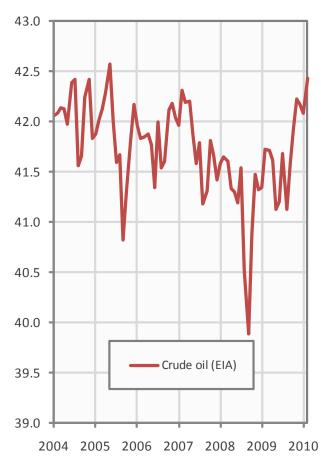
Chart 14: Non-OPEC Liquids Production Jan. 2004 - April 2010



Non-OPEC crude oil production

Total Non-OPEC crude oil production including lease condensates increased by 348,000 b/d to a level of 42.43 million b/d, from January to February 2010, according to the latest available estimate of the EIA. Crude oil production for January 2010 was revised downwards in the EIA International Petroleum Monthly of May from 42.27 to 42.08 million b/d. Average crude oil production in 2009 was 41.62 million b/d, versus 41.32 and 41.80 million b/d in respectively 2008 and 2007.

Chart 15: Non-OPEC Crude Oil Production Jan. 2004 - Feb. 2010

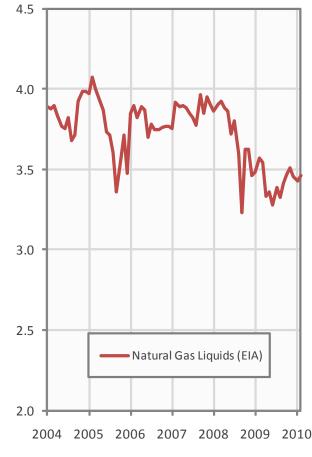


Source: Energy Information Administration

Non-OPEC natural gas liquids production

Non-OPEC natural gas liquids production increased by 32,000 b/d from January to February 2010 to a level of 3.46 million b/d. Average Non-OPEC natural gas liquids production in 2009 was 3.34 million b/d, versus 3.65 and 3.79 million b/d in respectively 2008 and 2007.

Chart 16: Non-OPEC NGL Production January 2004 - Feb. 2010



Source: Energy Information Administration

OPEC oil consumption

Oil consumption in all OPEC oil producers combined increased by 249,000 b/d from January to February 2010. Resulting in a consumption level of 5.96 million b/d. Average OPEC oil consumption in 2009 was 5.94 million b/d, versus 5.76 and 5.30 million b/d in respectively 2008 and 2007.

Iran oil consumption

Oil consumption in Iran decreased by 4,000 b/d from January to February 2010 to a level of 1.51 million b/d. Average Iranian oil consumption in 2009 was 1.52 million b/d, versus 1.64 and 1.52 million b/d in respectively 2008 and 2007.

Saudi Arabia oil consumption

Oil consumption in Saudi Arabia decreased by 35,000 b/d from January to February 2010 to a level of 1.61 million b/d. Average Saudi Arabian oil consumption in 2009 was 1.82 million b/d, versus 1.65 and 1.52 million b/d in respectively 2008 and 2007.

Chart 17: OPEC Oil Consumption January 2004 - 2010

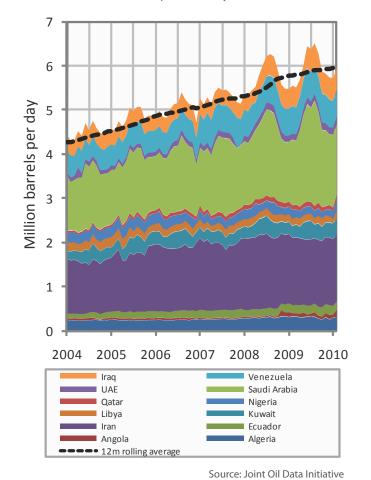
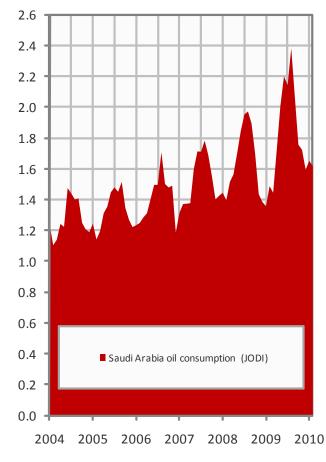


Chart 18: Iran Oil Consumption January 2004 - February 2010



Chart 19: Saudi Arabia Oil Consumption Jan. 2004 - Feb. 2010



Source: Joint Oil Data Initiative

OECD oil consumption

Oil consumption in OECD countries increased by 1.92 million b/d from January to February 2010. Resulting in a consumption level of 45.02 million b/d. Average OECD oil consumption in 2009 was 43.92 million b/d, versus 46.10 and 47.68 million b/d in respectively 2008 and 2007.

North America oil consumption

Oil consumption in North America increased by 686,000 b/d from January to February 2010. Resulting in a consumption level of 22.99 million b/d. Average oil consumption in North America in 2009 was 22.51 million b/d, versus 23.50 and 24.72 million b/d in respectively 2008 and 2007.

European Union oil consumption

Oil consumption in the European Union increased by 987,000 b/d from January to February 2010. Resulting in a consumption level of 14.42 million b/d according to JODI statistics. Average consumption in the European Union in 2009 was 13.6 million b/d, versus 14.25 and 14.32 million b/d in respectively 2008 and 2007.

Chart 20: OECD Oil Consumption January 2004 - February 2010

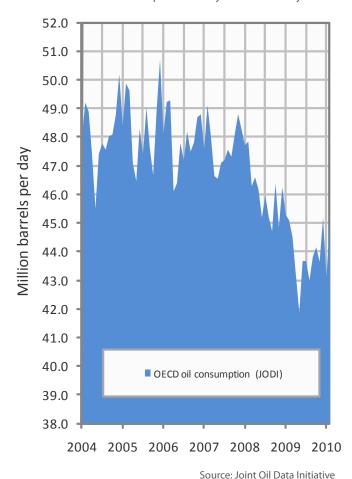


Chart 21: North America Oil Consumption Jan. 2004 - Feb. 2010

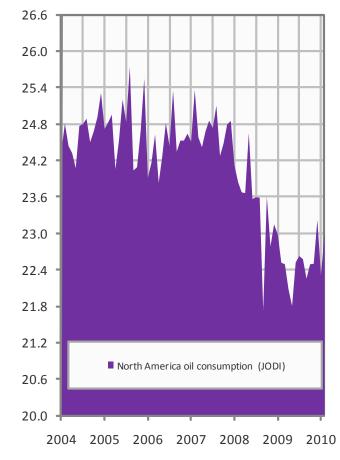
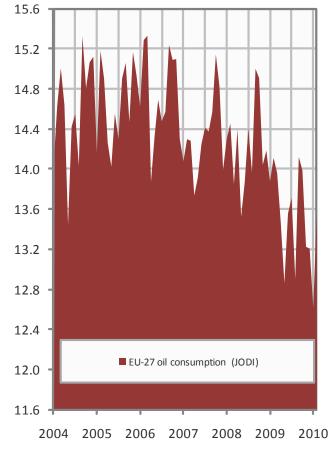


Chart 22: EU-27 Oil Consumption January 2004 - Feb. 2010



United States oil consumption

Oil consumption in the US increasde by 827,000 b/d from January to February 2010. Resulting in a consumption level of 19.36 million b/d. Average consumption of oil in the US in 2009 was 18.68 million b/d, versus 19.50 and 20.70 million b/d in respectively 2008 and 2007.

Mexico oil consumption

Oil consumption in Mexico increased by 108,000 b/d from January to February 2010. Resulting in a consumption level of 1.87 million b/d. Average oil consumption in Mexico in 2009 was 1.87 million b/d, versus 1.95 and 1.94 million b/d in respectively 2008 and 2007.

Canada oil consumption

Oil consumption in Canada decreased by 248,000 b/d from January to February 2010. Resulting in a consumption level of 1.76 million b/d. Average consumption in Canada in 2009 was 1.96 million b/d, versus 2.06 and 2.08 million b/d in respectively 2008 and 2007.

Chart 23: US Oil Consumption January 2004 - February 2010

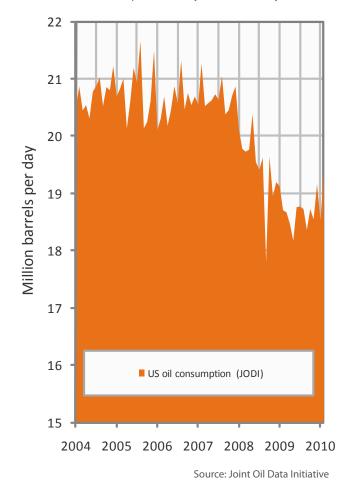


Chart 24: Mexico Oil Consumption Jan. 2004 - February 2010

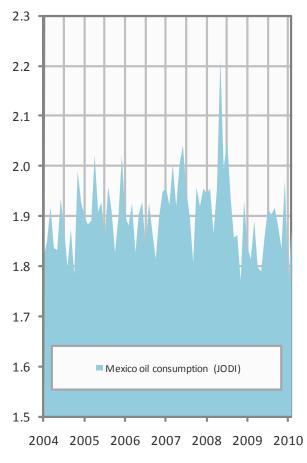
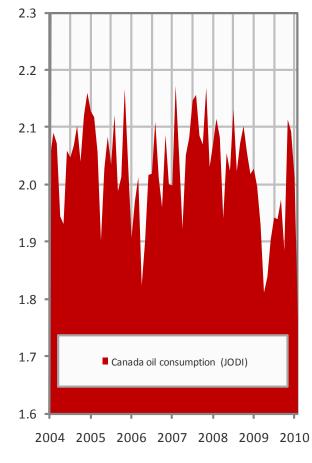


Chart 25: Canada Oil Consumption January 2004 - Feb. 2010



Source: Joint Oil Data Initiative

France oil consumption

Oil consumption in France increased by 198,000 b/d from January to February 2010. Resulting in a consumption level of 1.94 million b/d. Average consumption of oil in France in 2009 was 1.84 million b/d, versus 1.94 and 1.94 million b/d in respectively 2008 and 2007.

Germany oil consumption

Oil consumption in Germany increased by 259,000 b/d from January to February 2010. Resulting in a consumption level of 2.43 million b/d. Average oil consumption in Germany in 2009 was 2.42 million b/d, versus 2.56 and 2.47 million b/d in respectively 2008 and 2007.

Italy oil consumption

Oil consumption in Italy increased by 153,000 b/d from January to February 2010. Resulting in a consumption level of 1.46 million b/d. Average consumption in Italy in 2009 was 1.53 million b/d, versus 1.60 and 1.67 million b/d in respectively 2008 and 2007.

Chart 26: France Oil Consumption January 2004 - February 2010

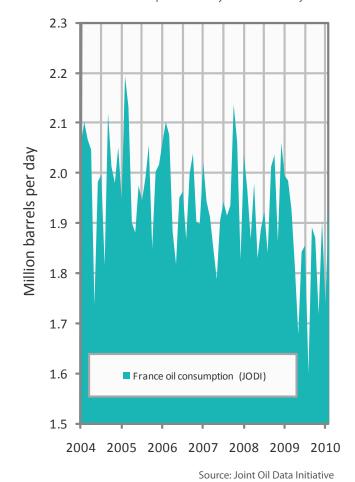


Chart 27: Germany Oil Consumption Jan. 2004 - February 2010

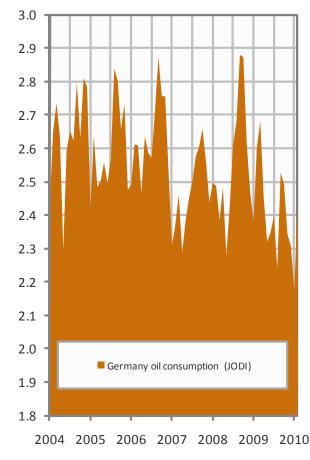
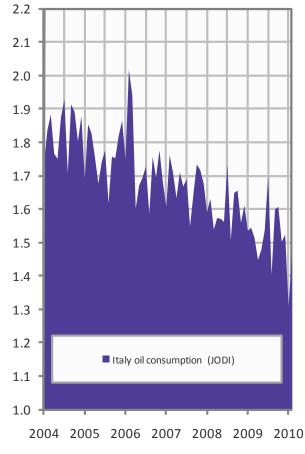


Chart 28: Italy Oil Consumption January 2004 - February 2010



Source: Joint Oil Data Initiative Source: Joint Oil Data Initiative

Spain oil consumption

Oil consumption in Spain increased by 92,000 b/d from January to February 2010. Resulting in a consumption level of 1.45 million b/d. Average oil consumption in Spain in 2009 was 1.46 million b/d, versus 1.54 and 1.59 million b/d in respectively 2008 and 2007.

United Kingdom oil consumption

Oil consumption in the United Kingdom decreased by 178,000 b/d from January to February 2010. Resulting in a consumption level of 1.31 million b/d. Average oil consumption in the United Kingdom in 2009 was 1.57 million b/d, versus 1.61 and 1.67 million b/d in respectively 2008 and 2007.

Poland oil consumption

Oil consumption in Poland decreased by 15,000 from January to February 2010. Resulting in a consumption level of 476,000 b/d. Average consumption in Poland in 2009 was 530,000 b/d, versus 527,000 and 507,000 b/d in respectively 2008 and 2007.

Chart 29: Spain Oil Consumption January 2004 - February 2010

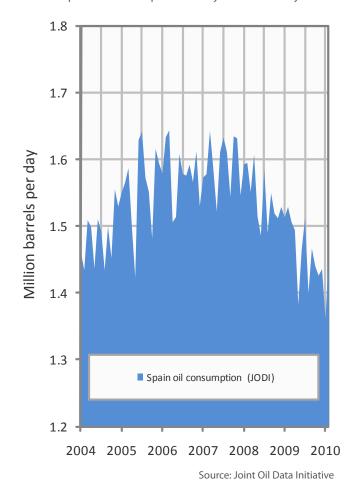


Chart 30: UK Oil Consumption Jan. 2004 - February 2010

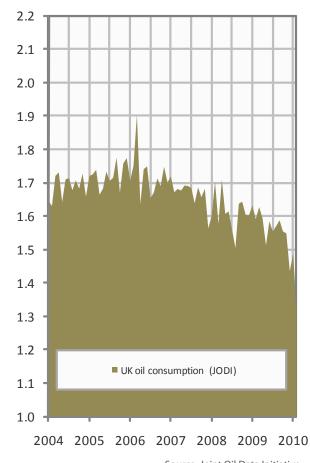
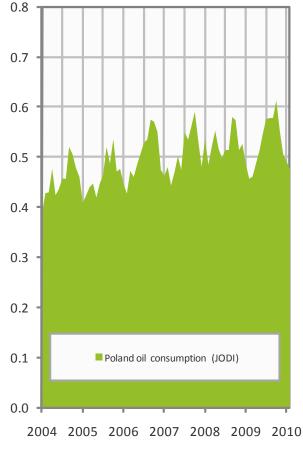


Chart 31: Poland Oil Consumption January 2004 - February 2010



Netherlands oil consumption

Oil consumption in the Netherlands increased by 191,000 b/d from January to February 2010 to a consumption level of 1.06 million b/d. Average oil consumption in the Netherlands in 2009 was 905,000 b/d, versus 945,000 and 920,0000 b/d in respectively 2008 and 2007.

Japan oil consumption

Oil consumption in Japan increased by 253,000 b/d from January to February 2010. Resulting in a consumption level of 5.11 million b/d. Average oil consumption in Japan in 2009 was 4.43 million b/d, versus 4.92 and 5.13 million b/d in respectively 2008 and 2007.

South Korea oil consumption

Oil consumption in South Korea decreased by 17,000 b/d from January to February 2010. Resulting in a consumption level of 2.34 million b/d. Average consumption in South Korea in 2009 was 2.25 million b/d, versus 2.21 and 2.29 million b/d in respectively 2008 and 2007.

Chart 32: Netherlands Oil Consumption Jan. 2004 - Feb. 2010

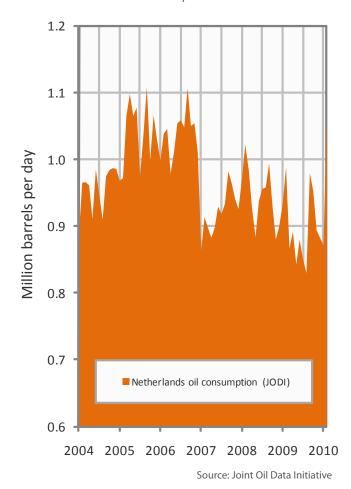


Chart 33: Japan Oil Consumption Jan. 2004 - February 2010

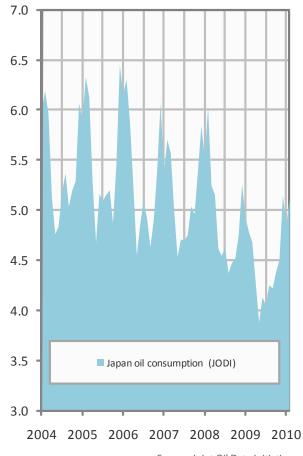
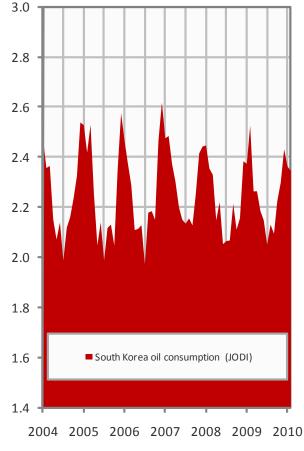


Chart 34: South Korea Oil Consumption Jan. 2004 - Feb. 2010



China oil consumption

Oil consumption in China increased by 331,000 b/d from January to February 2010. Resulting in a consumption level of 8.75 million b/d according to JODI statistics. Average oil consumption in China in 2009 was 8.05 million b/d, versus 6.92 and 7.29 million b/d in respectively 2008 and 2007.

India oil consumption

Oil consumption in India increased by 268,000 b/d from January to February 2010. Resulting in a consumption level of 3.1 million b/d. Average oil consumption in India in 2009 was 2.85 million b/d, versus 2.60 and 2.43 million b/d in respectively 2008 and 2007.

Taiwan oil consumption

Oil consumption in Taiwan increased by 13,000 b/d from January to February 2010. Resulting in a consumption level of 1.07 million b/d. Average consumption in Taiwan in 2009 was 976,000 b/d, versus 978,000 and 958,000 b/d in respectively 2008 and 2007.

Chart 35: China Oil Consumption January 2004 - February 2010

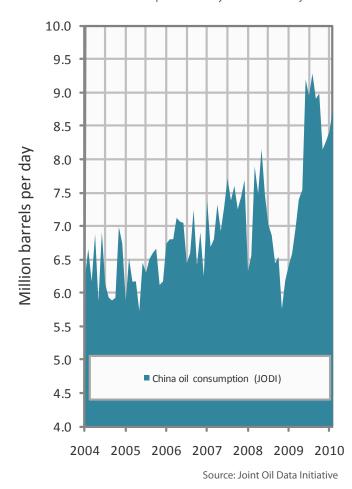


Chart 36: India Oil Consumption Jan. 2004 - February 2010

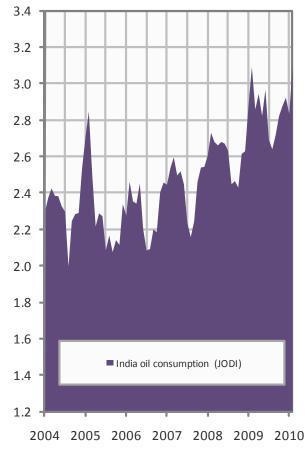
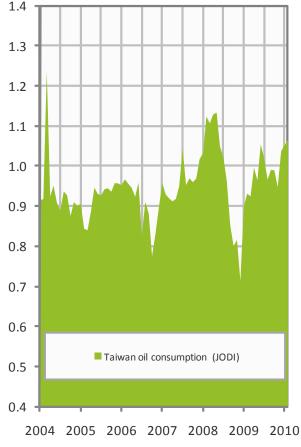


Chart 37: Taiwan Oil Consumption January 2004 - Feb. 2010

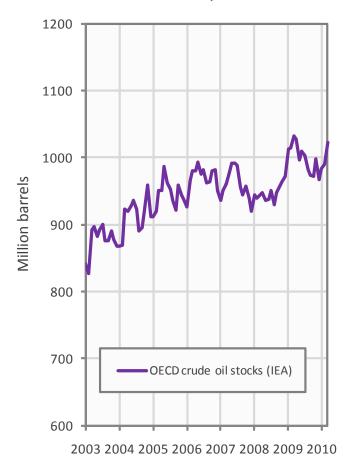


a Initiative Source: Joint Oil Data Initiative

OECD crude oil stocks

Industrial inventories of crude oil in the OECD in March 2010 increased to 1022 million from 990 million barrels in February according to the latest IEA statistics. Current OECD crude oil stocks are 55 million barrels higher than the five year average of 967 million barrels. In the April Oil Market Report of the IEA a total stock level of 972 million barrels was tabulated for February which has been revised upward to 990 million barrels in the May edition.

Chart 38: OECD Crude Oil Stocks January 2004 - March 2010

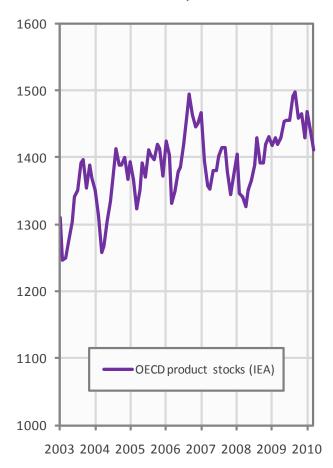


Source: International Energy Agency

OECD product stocks

Industrial product stocks in the OECD in March 2010 decreased to 1412 million from 1440 million barrels in February according to the latest IEA Statistics. Current OECD product stocks are 5 million barrels higher than the five year average of 1407 million barrels. In the April Oil Market Report of the IEA a total stock level of 1441 million barrels was tabulated for February which has been revised downward to 1440 million barrels in the May edition.

Chart 39: OECD Product Stocks January 2004 - March 2010

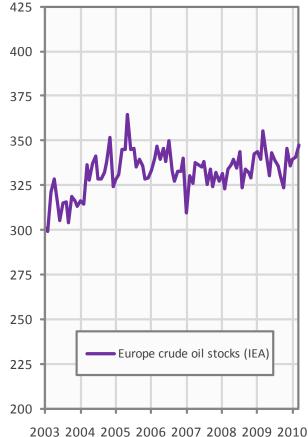


Source: International Energy Agency

Europe crude oil stocks

Industrial inventories of crude oil in OECD Europe in March 2010 increased to 348 from 341 million barrels in February according to the latest IEA statistics. Current OECD Europe crude oil stocks are 12 million barrels higher than the five year average of 336 million barrels. In the April Oil Market Report of the IEA a total stock level of 323 million barrels was tabulated for February which has been revised upward to 341 million barrels in the May edition.

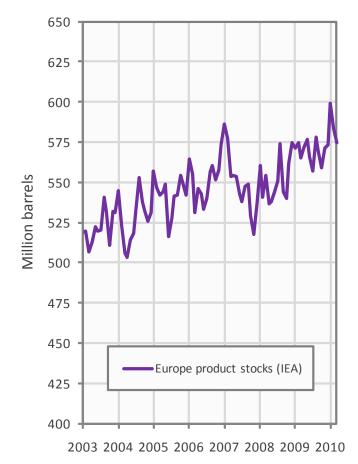
Chart 40: Europe Crude Oil Stocks January 2004 - March 2010



Europe product stocks

Industrial product stocks in OECD Europe in March 2010 decreased to 575 million from 584 million barrels in February according to the latest IEA statistics. Current OECD Europe product stocks are 21 million barrels higher than the five year average of 554 million barrels. In the April Oil Market Report of the IEA a total stock level of 588 million barrels was tabulated for February which has been revised downward to 584 million barrels in the May edition.

Chart 41: Europe Product Stocks January 2004 - March 2010

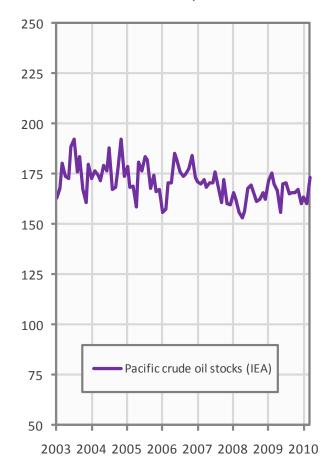


Source: International Energy Agency

Pacific crude oil stocks

Industrial inventories of crude oil in OECD Pacific in March 2010 decreased to a level of 173 million from 161 million barrels in February according to the latest IEA statistics. Current OECD Pacific crude oil stocks are 4 million barrels higher than the five year average of 169 million barrels. In the April Oil Market Report of the IEA a total stock level of 154 million barrels was tabulated for February which has been revised upward to 161 million barrels in the May edition.

Chart 42: Pacific Crude Oil Stocks January 2004 - March 2010

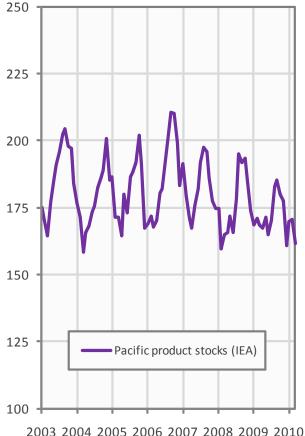


Source: International Energy Agency

Pacific product stocks

Industrial product stocks in OECD Pacific in March 2010 decreased to a level of 162 from 170 million barrels in February according to the latest IEA Statistics. Current OECD Pacific product stocks are 18 million barrels lower than the five year average of 179 million barrels.

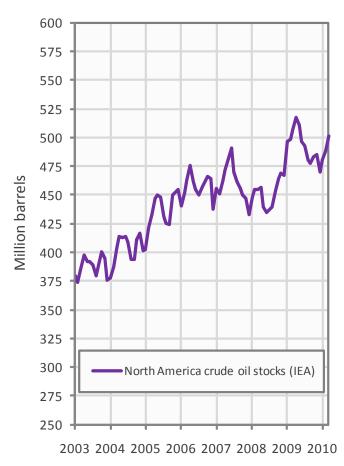
Chart 43: Pacific Product Stocks January 2004 - March 2010



North America crude oil stocks

Industrial inventories of crude oil in OECD North America in March 2010 increased to 502 million from 488 million barrels in February according to the latest IEA statistics. Current OECD North America crude oil stocks are 39 million barrels higher than the five year average of 463 million barrels. In the April Oil Market Report of the IEA a total stock level of 495 million barrels was tabulated for February which has been revised downward to 488 million barrels in the May edition.

Chart 44: North America Crude Oil Stocks Jan. 2004 - Mar. 2010

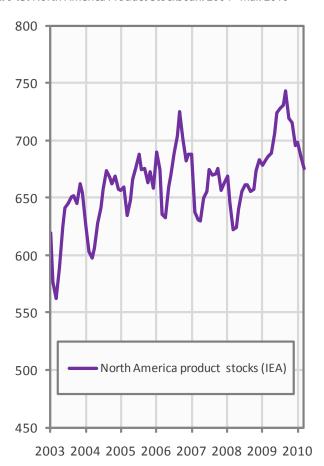


Source: International Energy Agency

North America product stocks

Industrial product stocks in North America in March 2010 decreased to 675 million from 685 million barrels in February according to the latest IEA Statistics. Current North American product stocks are 1 million barrels higher than the five year average of 674 million barrels. In the April Oil Market Report of the IEA a total stock level of 683 million barrels was tabulated for February which has been revised upward to 685 million barrels in the May edition.

Chart 45: North America Product Stocks Jan. 2004 - Mar. 2010

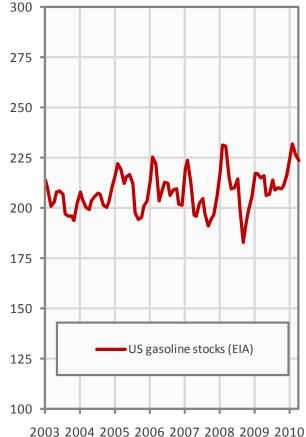


Source: International Energy Agency

US gasoline stocks

Gasoline stocks in the United States in April 2010 decreased to 223 million from 226 million barrels in March according to the latest EIA Statistics. Current Gasoline stocks are 14 million barrels higher than the five year average of 209 million barrels.

Chart 46: United States Gasoline Stocks Jan. 2004 - April 2010

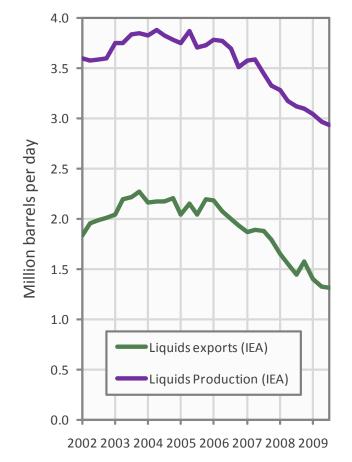


Source: Energy Information Administration

Mexico oil exports

Crude oil exports from Mexico decreased by 10,000 b/d from 2nd grt. 2009 to 3rd grt. 2009 to a level of 1.32 million b/d. Average oil export from Mexico in 2009 up to the 3rd grt. was 1.35 million b/d, versus 1.55, 1.85, and 2.04 million b/d in respectively 2008, 2007 and 2006.

Chart 47: Mexico oil exports 1st qrt. 2002 - 3rd qrt. 2009

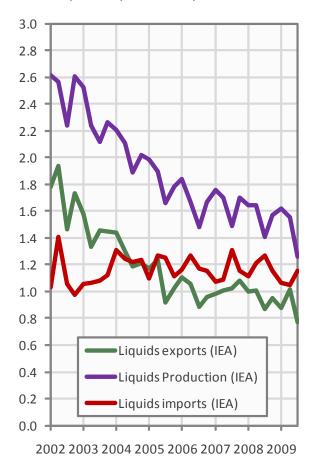


Source: International Energy Agency

United Kingdom oil exports

Crude oil exports from the United Kingdom decreased by 246,000 b/d from 2nd grt. 2009 to 3rd grt. 2009 to a level of 768,000 b/d. Average oil export from the United Kingdom in 2009 up to the 3rd qrt. was 886,000 b/d, versus 957,000 b/d, 1.02, and 1.0 million b/d in respectively 2008, 2007 and 2006. Since 2004 the United Kingdom became a net importer of oil. Net imports were 387,000 b/d in 3rd grt. 2009.

Chart 48: UK oil exports 1st grt. 2002 - 3rd grt. 2009

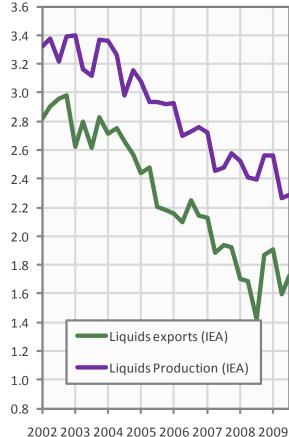


Source: International Energy Agency

Norway oil exports

Oil exports from Norway increased by 130,000 b/d from 2nd qrt. 2009 to 3rd grt. 2009 to a level of 1.73 million b/d. Average oil export from Norway in 2009 up to the 3rd grt. was 1.74 million b/d, versus 1.67, 1.97, and 2.17 million b/d in respectively 2008, 2007 and 2006.

Chart 49: Norway oil exports 1st grt. 2002 - 3rd grt. 2009



Denmark oil exports

Oil exports from Denmark increased by 29,000 b/d from 2nd qrt. to 3rd qrt. 2009 to a level of 212,000 b/d. Average oil export from Denmark in 2009 up to 3rd qrt. was 187,000 b/d, versus,184,000, 191,000 and 233,000 b/d in respectively 2008, 2007, and 2006.

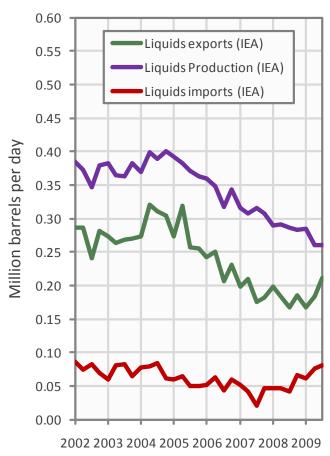
Australia oil exports

Oil exports from Australia increased by 14,000 b/d from 2nd qrt. to 3rd qrt. 2009 to a level of 255,000 b/d. Average oil export from Australia in 2009 up to 3rd qrt. was 252,000 b/d, versus 270,000, 252,000 b/d and 217,000 b/d in respectively 2008, 2007, and 2006.

Japan oil imports

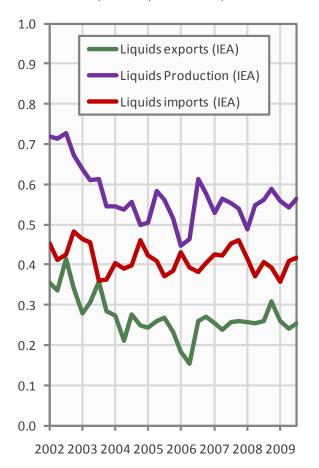
Oil imports in Japan remained stable at 3.43 million b/d from 2nd qrt. to 3rd qrt. 2009. Average oil import in Japan in 2009 up to 3rd qrt. was 3.58 million b/d, versus 4.12, 4.09 and 4.15 million b/d in respectively 2008, 2007, and 2006.

Chart 50: Denmark oil exports 1st grt. 2002 - 3rd grt. 2009



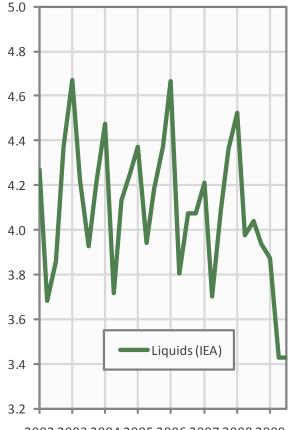
Source: International Energy Agency

Chart 51: Australia oil exports 1st qrt. 2002 - 3rd qrt. 2009



Source: International Energy Agency

Chart 52: Japan Oil Imports 1st qrt. 2002 - 3rd qrt. 2009



2002 2003 2004 2005 2006 2007 2008 2009

OECD oil imports

Oil imports in the group of OECD countries increased by 395,000 million b/d from 2nd grt. to 3rd grt. 2009 to a level of 29.84 million b/d. Average oil import in OECD countries in 2009 up to 3rd grt. was 29.91 million b/d, versus 32.19, 32.47 and 32.7 million b/d in respectively 2008, 2007, and 2006.

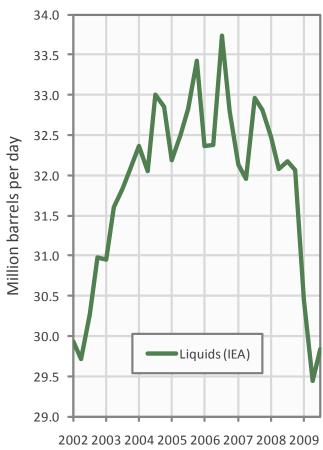
United States oil imports

Oil imports in the United States increased by 78,000 b/d from 2nd grt. to 3rd grt. 2009 to a level of 10.64 million b/d. Average oil import in the United States in 2009 up to 3rd grt. was 10.68 million b/d, versus 11.43, 11.55 and 11.77 million b/d in respectively 2008, 2007, and 2006.

OECD Europe oil imports

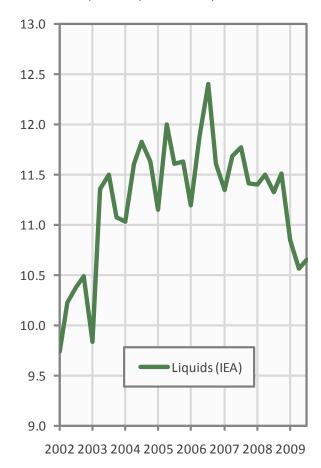
Oil imports from OECD Europe decreased by 14,000 b/d from 2nd grt. to 3rd grt. 2009 to a level of 12.02 million b/d. Average oil import in OECD Europe in 2009 up to 3rd qrt. was 12.01 million b/d, versus 12.98, 13.05 and 13.18 million b/d in respectively 2008, 2007, and 2006.

Chart 53: OECD Oil Imports 1st qrt. 2002 - 3rd qrt. 2009



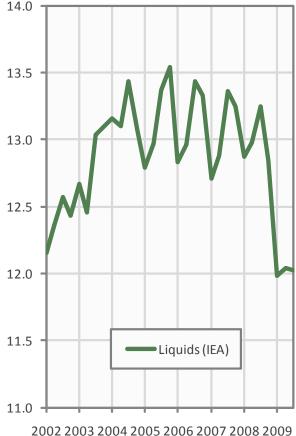
Source: International Energy Agency

Chart 54: USA Oil Imports 1st qrt. 2002 - 3rd qrt. 2009



Source: International Energy Agency

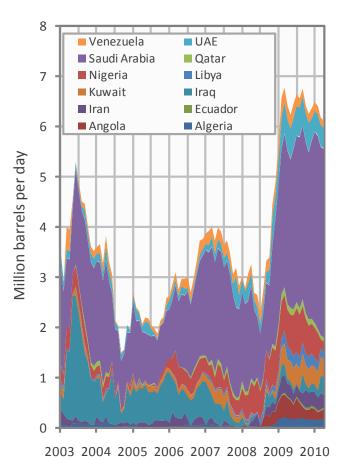
Chart 55: OECD Europe Oil Imports 1st qrt. 2002 - 3rd qrt. 2009



IEA OPEC spare capacity

According to the International Energy Agency total effective spare capacity (excluding Iraq, Venezuela and Nigeria) decreased from March to April 2010 by 40,000 b/d to a level of 6.11 million b/d. Of total effective spare capacity an additional 3.75 million b/d is estimated to be producible by Saudi Arabia within 90 days, the United Arab Emirates 0.41 million b/d, Angola 0.2 million b/d, Iran 0.25 million b/d, Libya 0.16 million b/d, Qatar 0.08 million b/d, and the other remaining countries 0.55 million b/d.

Chart 56: IEA OPEC Spare Capacity January 2003 - April 2010

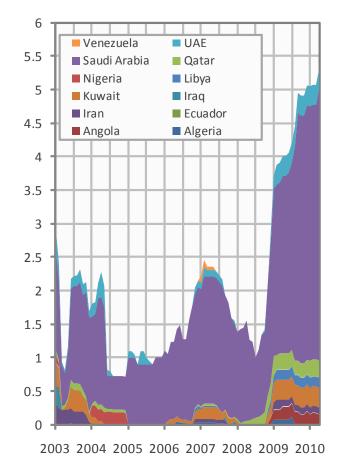


Source: International Energy Agency

EIA OPEC spare capacity

Total OPEC spare production capacity in April 2010 increased by 230,000 b/d to a level of 5.3 million b/d from 5.07 million b/d in March according to the Energy Information Administration. Of total effective spare capacity an additional 4.05 million b/d is estimated to be producible by Saudi Arabia, the United Arab Emirates 0.30 million b/d, Angola 0.15 million b/d, Iran 0.10 million b/d, Libya 0.15 million b/d, Qatar 0.25 million b/d, and the other remaining countries 0.15 million b/d.

Chart 57: EIA OPEC Spare Capacity January 2003 - April 2010



Source: Energy Information Administration

Saudi Arabia spare capacity

Spare capacity in Saudi Arabia increased from 3.8 to 4.05 million b/d from March to April 2010 according to the Energy Information Administration. Statistics from the International Energy Agency show Saudi spare capacity remaining stable at 3.75 million from March to April 2010.

Chart 58: Saudi Arabia Spare Capacity Jan. 2003 - April 2010



2003 2004 2005 2006 2007 2008 2009 2010

Chart 59: Kuwait Liquids Production 1945 - 2008

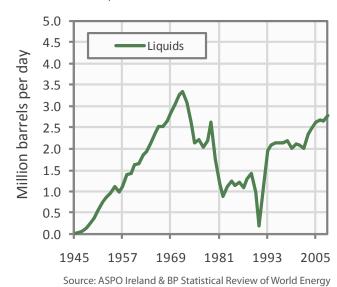
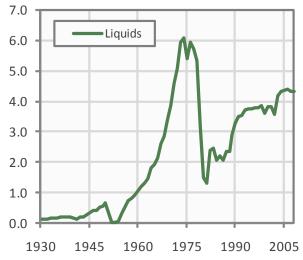


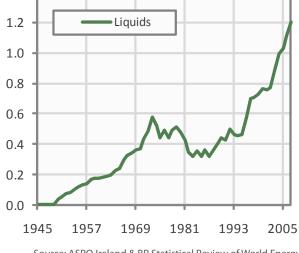
Chart 60: Iran Liquids Production 1930 - 2008



Source: ASPO Ireland & BP Statistical Review of World Energy

1.4 Liquids 1.2

Chart 61: Qatar Liquids Production 1945 - 2008



Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 62: Kuwait Oil Production January 2004 - April 2010

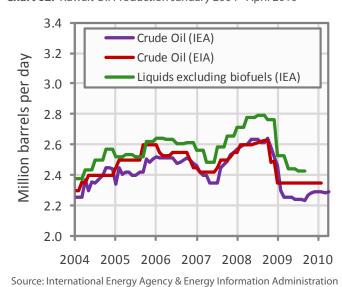
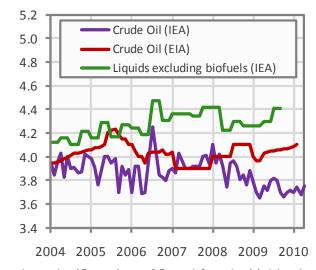
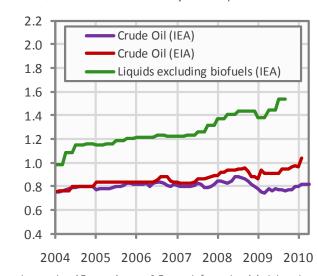


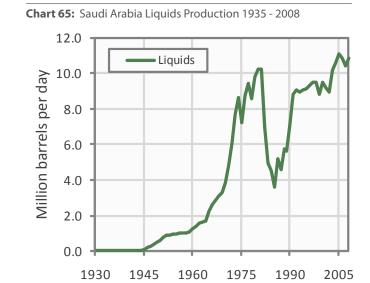
Chart 63: Iran Oil Production January 2004 - April 2010

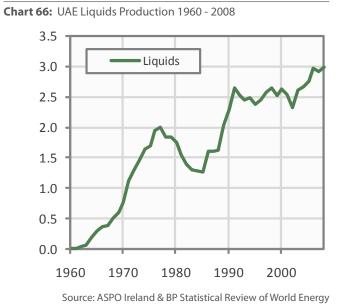


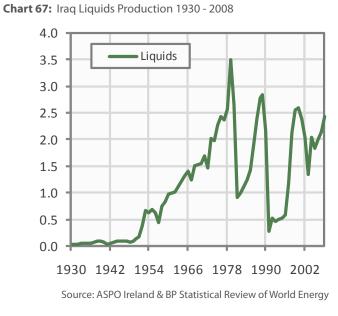
Source: International Energy Agency & Energy Information Administration

Chart 64: Qatar Oil Production January 2004 - April 2010









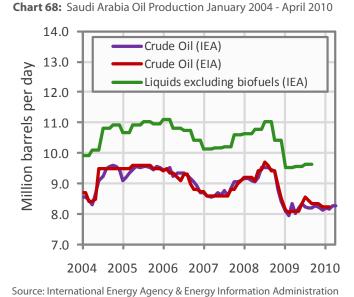
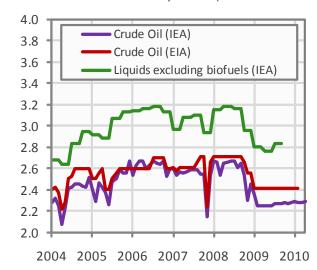


Chart 69: UAE Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 70: Iraq Oil Production January 2004 - April 2010

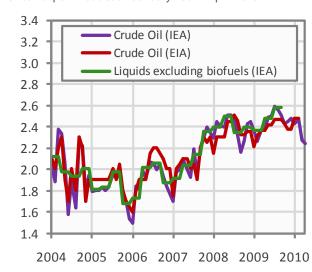


Chart 71: Oman Liquids Production 1965 - 2008

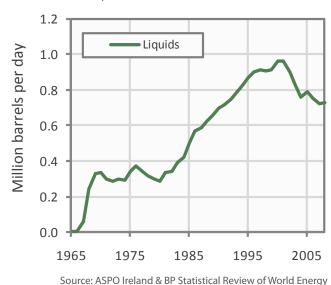


Chart 72: Yemen Liquids Production 1985 - 2008

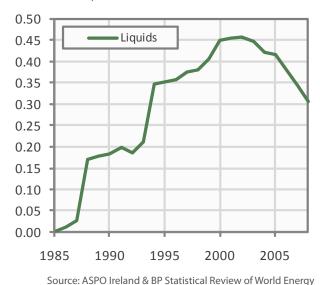
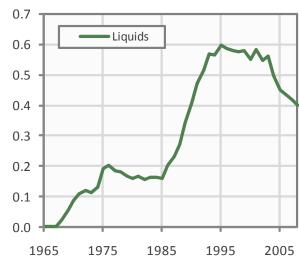


Chart 73: Syria Liquids Production 1930 - 2008



Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 74: Oman Oil Production January 2004 - April 2010

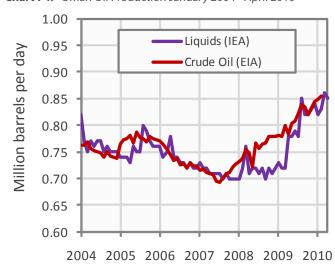


Chart 75: Yemen Oil Production January 2004 - April 2010

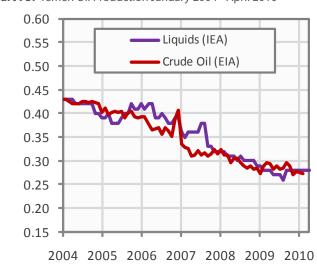
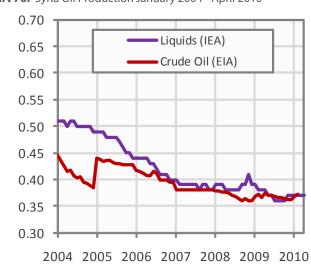


Chart 76: Syria Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Source: International Energy Agency & Energy Information Administration

Chart 77: Denmark Liquids Production 1970 - 2008

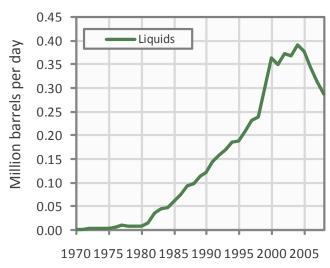
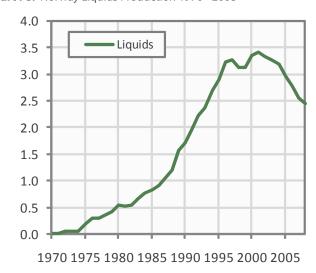
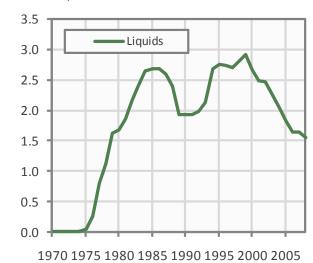


Chart 78: Norway Liquids Production 1970 - 2008



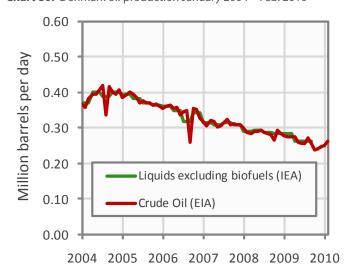
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 79: UK Liquids Production 1970 - 2008



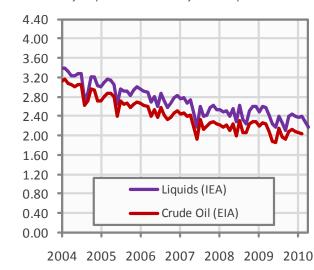
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 80: Denmark oil production January 2004 - Feb. 2010



Source: International Energy Agency & Energy Information Administration

Chart 81: Norway oil production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 82: UK oil production January 2004 - April 2010

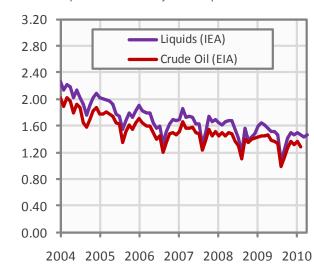
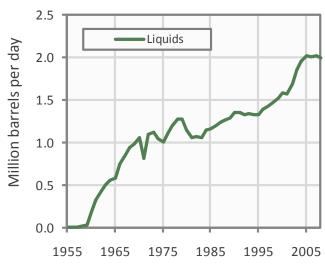
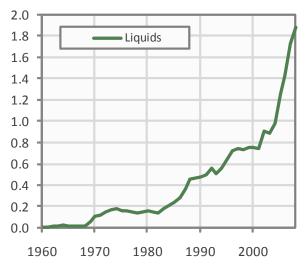


Chart 83: Algeria Liquids Production 1955 - 2008



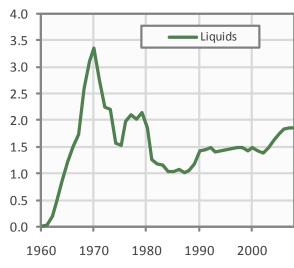
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 84: Angola Liquids Production 1960 - 2008



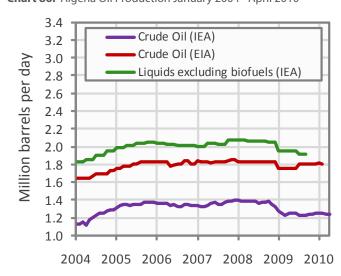
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 85: Libya Liquids Production 1970 - 2008



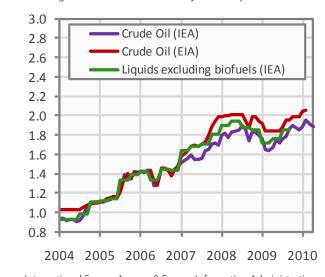
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 86: Algeria Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 87: Angola Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 88: Libya Oil Production January 2004 - April 2010

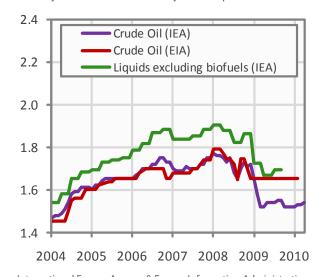


Chart 89: Nigeria Liquids Production 1955 - 2008

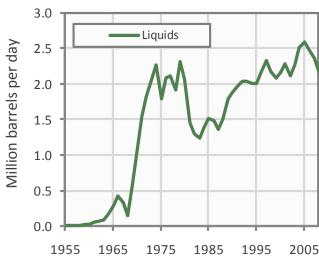
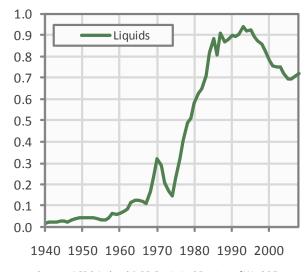
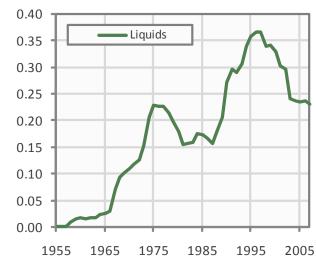


Chart 90: Egypt Liquids Production 1940 - 2008



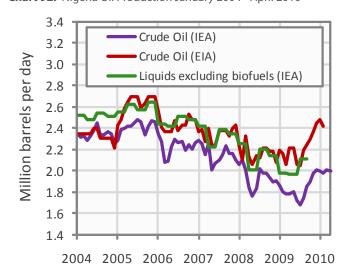
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 91: Gabon Liquids Production 1955 - 2008



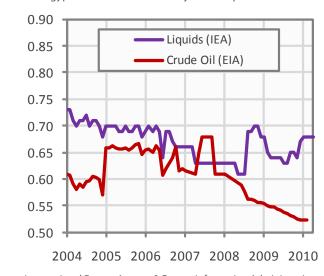
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 92: Nigeria Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 93: Egypt Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 94: Gabon Oil Production January 2004 - April 2010

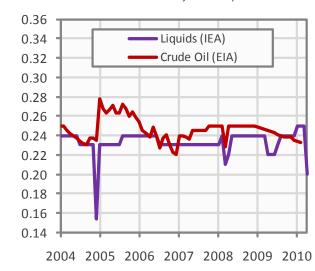
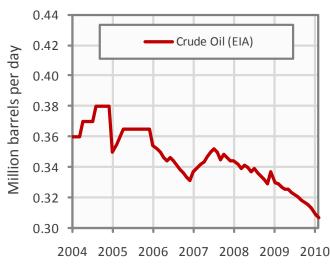
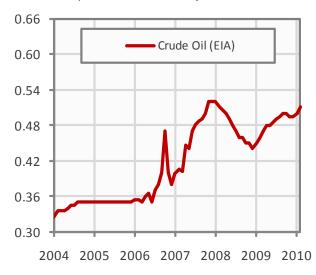


Chart 95: Eq. Guinea Oil Production January 2004 - Feb. 2010



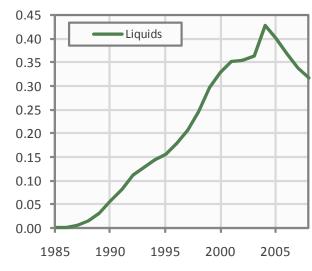
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 96: Sudan Liquids Production January 2002 - Feb. 2010



Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 97: Vietnam Liquids Production 1985 - 2008



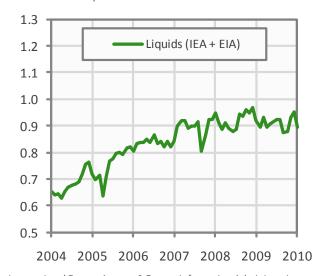
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 98: Other Africa Oil Production Jan. 2002 - Feb. 2010



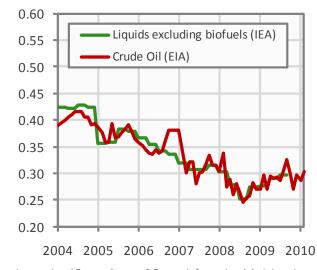
Source: International Energy Agency & Energy Information Administration

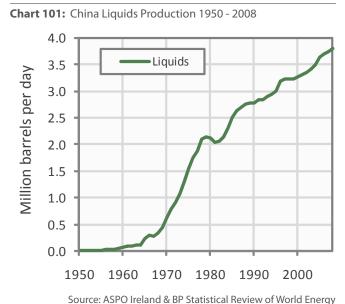
Chart 99: Other Asia liquids Production Jan. 2002 - Feb. 2010

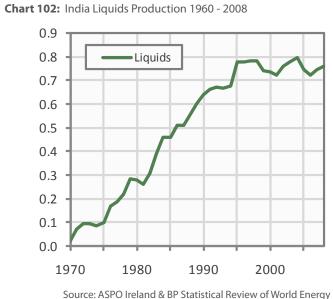


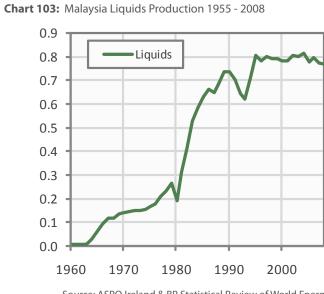
Source: International Energy Agency & Energy Information Administration

Chart 100: Vietnam Oil Production January 2004 - Feb. 2010



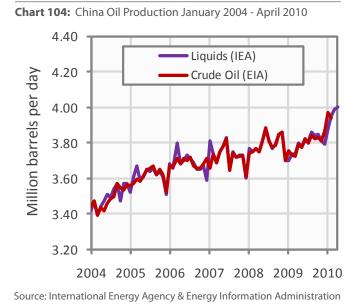


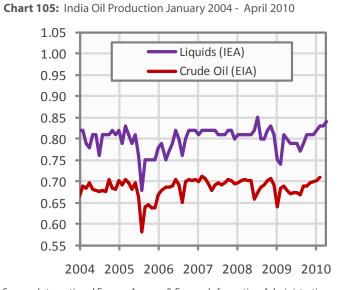




Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 106: Malaysia Oil Production January 2004 - April 2010





1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
2004 2005 2006 2007 2008 2009 2010

Source: International Energy Agency & Energy Information Administration Source: In

Chart 107: Azerbaijan Liquids Production 1930 - 2008

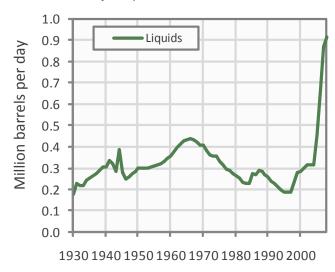
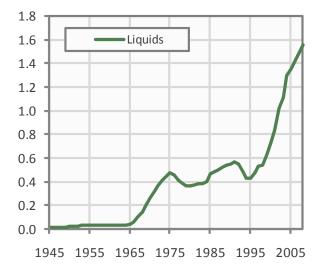
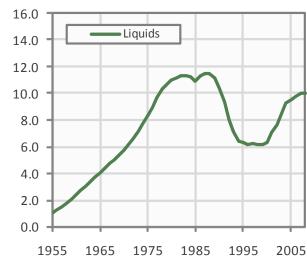


Chart 108: Kazakhstan Liquids Production 1945 - 2008



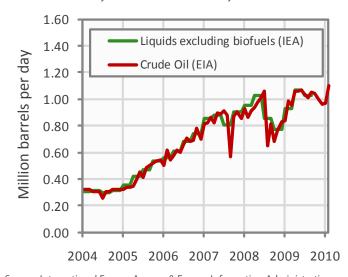
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 109: Russia Liquids Production 1955 - 2008



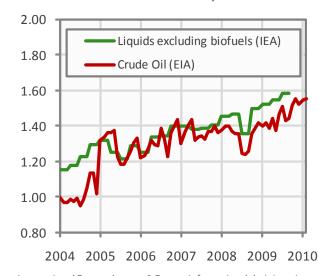
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 110: Azerbaijan Oil Production January 2004 - Jan. 2010



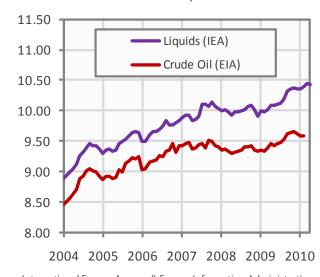
Source: International Energy Agency & Energy Information Administration

Chart 111: Kazakhstan Oil Production January 2004 - Jan. 2010



Source: International Energy Agency & Energy Information Administration

Chart 112: Russia Oil Production January 2004 - March 2010





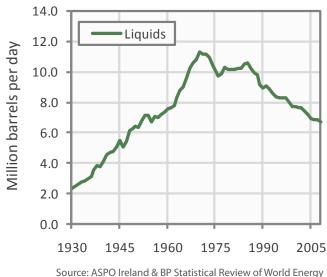


Chart 114: Canada Liquids Production 1945 - 2008

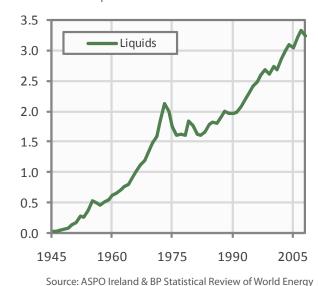


Chart 115: Mexico Liquids Production 1930 - 2008

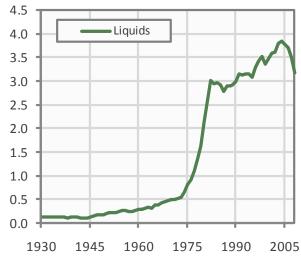


Chart 116: US Oil Production January 2004 - April 2010

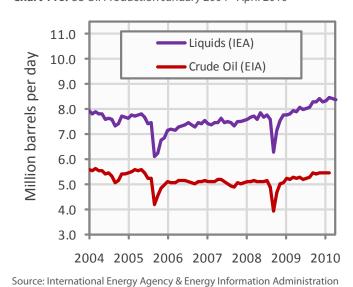
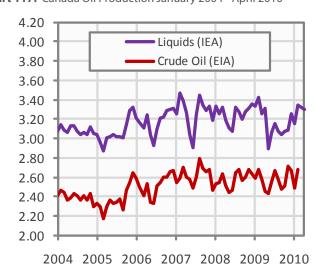


Chart 117: Canada Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 118: Mexico Oil Production January 2004 - April 2010

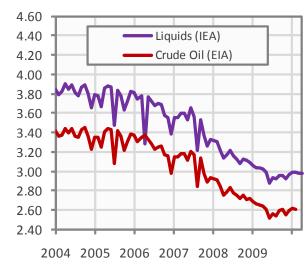


Chart 119: Argentina Liquids Production 1930 - 2008

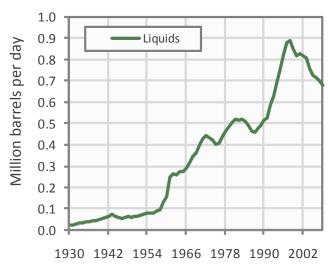
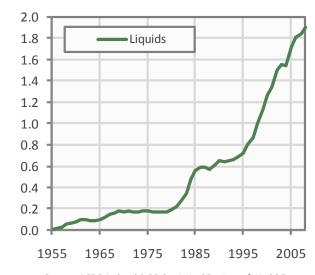
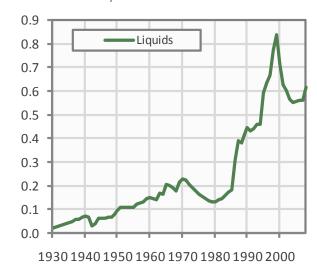


Chart 120: Brazil Liquids Production 1955 - 2008



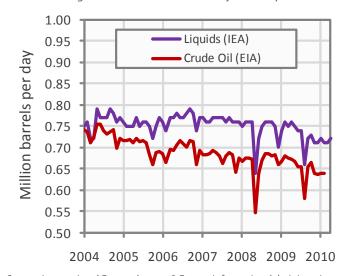
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 121: Colombia Liquids Production 1930 - 2008



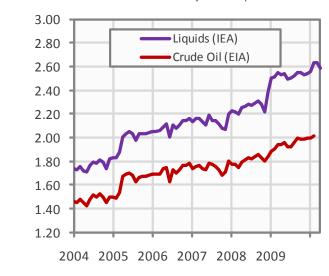
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 122: Argentina Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 123: Brazil Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 124: Colombia Oil Production January 2004 - April 2010

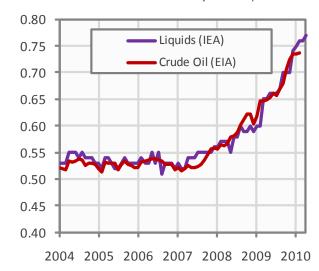


Chart 125: Ecuador Liquids Production 1970 - 2008

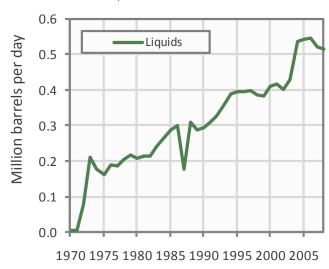
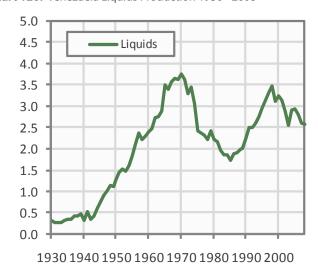
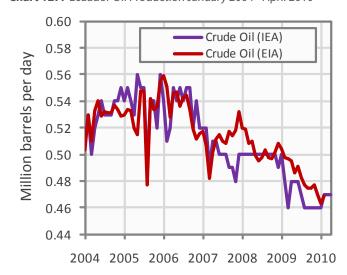


Chart 126: Venezuela Liquids Production 1930 - 2008



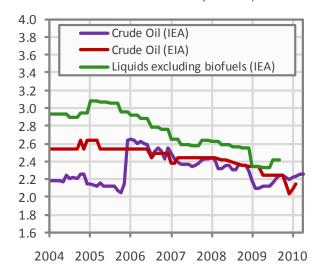
Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 127: Ecuador Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 128: Venezuela Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 129 Other S. America oil production Jan. 2004 - April 2010

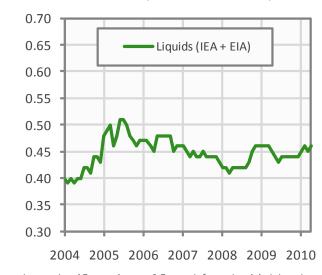


Chart 130: Australia Liquids Production 1970 - 2008

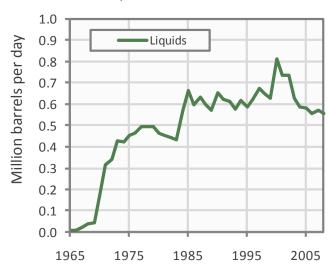
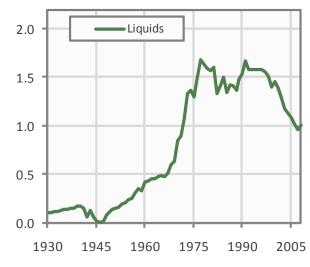
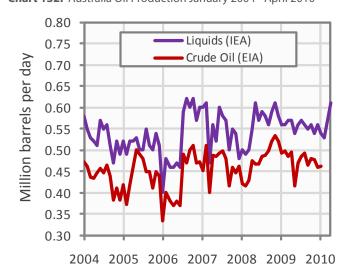


Chart 131: Indonesia Liquids Production 1930 - 2008



Source: ASPO Ireland & BP Statistical Review of World Energy

Chart 132: Australia Oil Production January 2004 - April 2010



Source: International Energy Agency & Energy Information Administration

Chart 133: Indonesia Oil Production January 2004 - April 2010

