

The Globalization of the World Economy and its Impact on Ports



BRIC's IMPACT on the WORLD TRADE

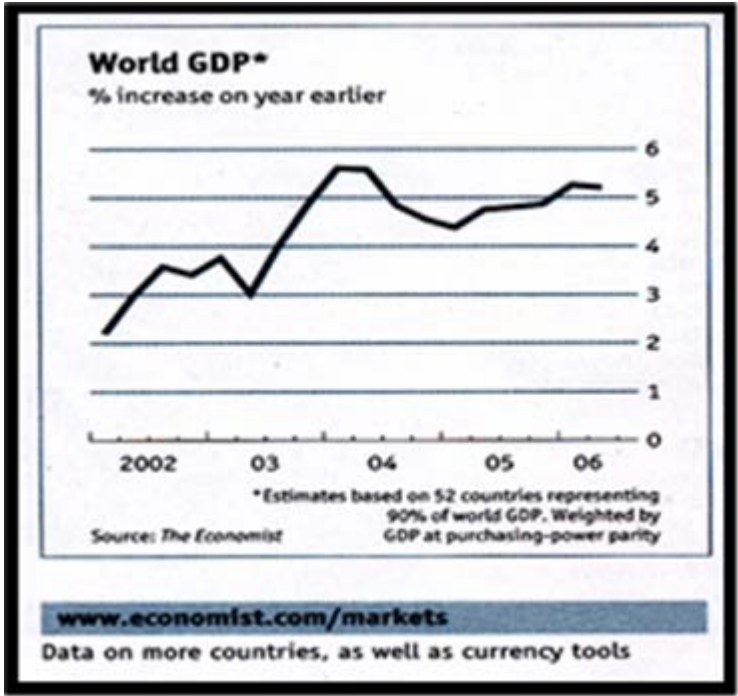
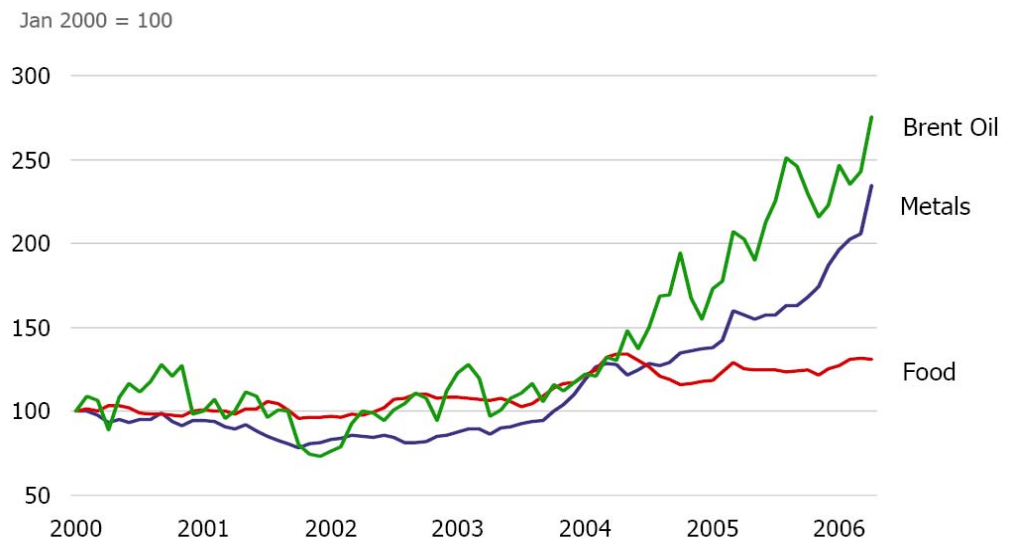
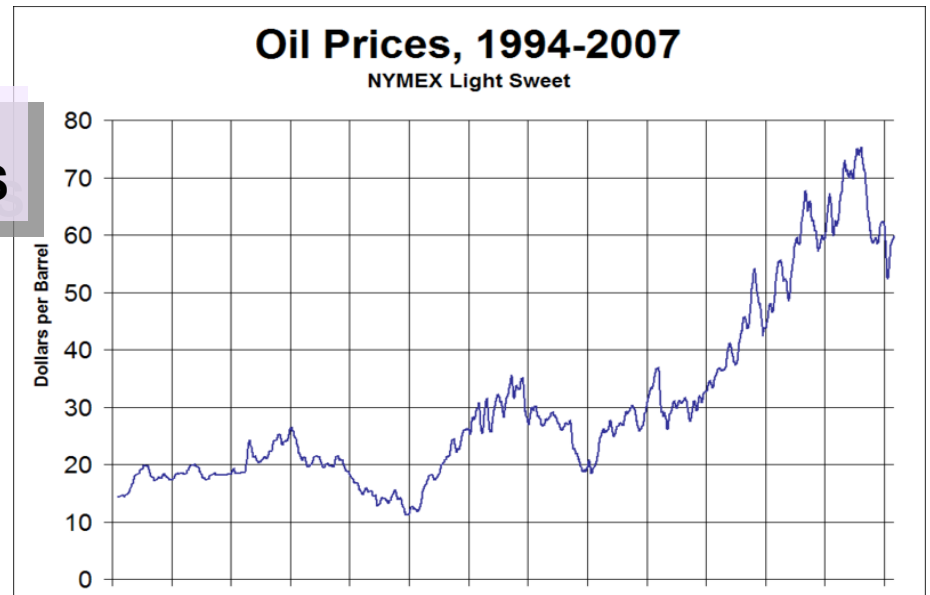
Renato T Bertani
President

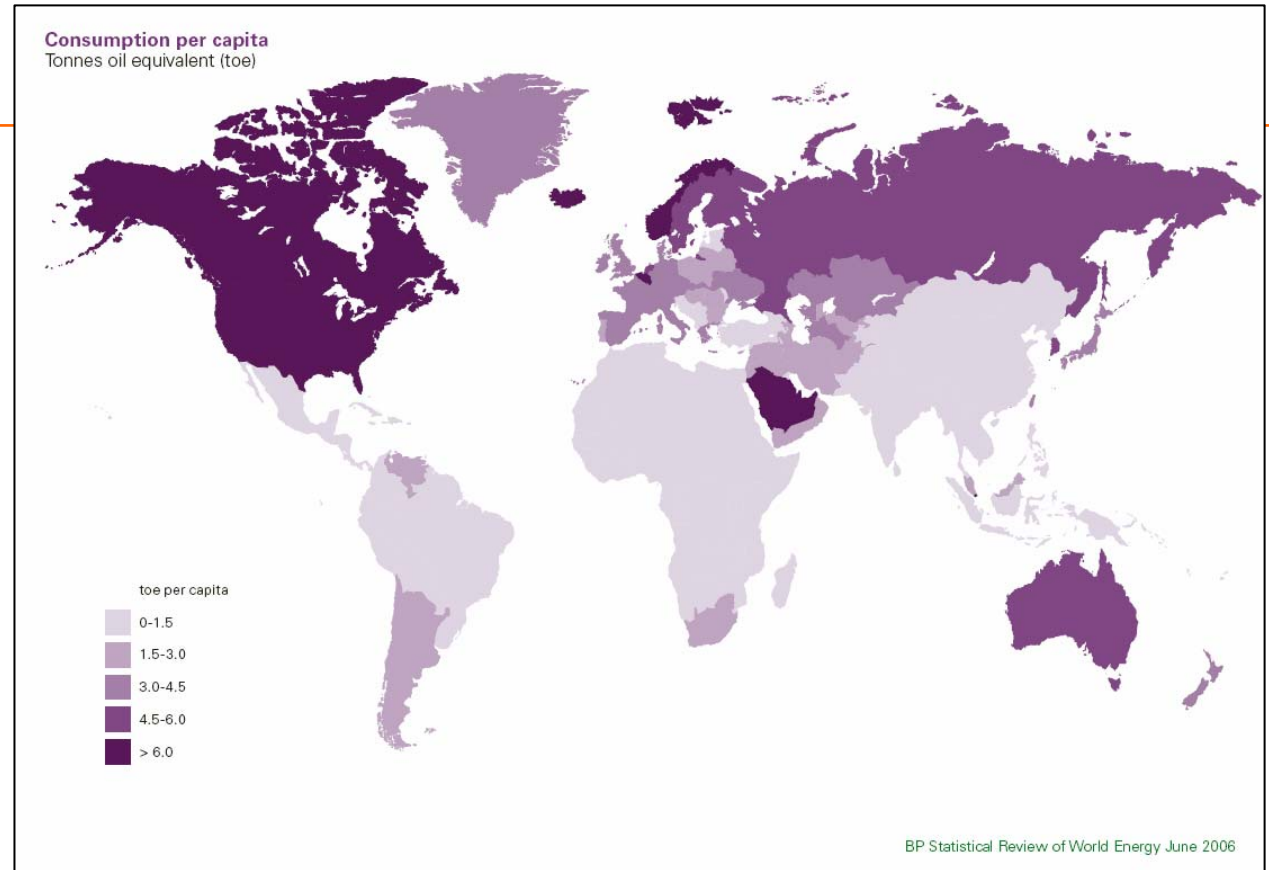
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THE BRIC from the ENERGY PERSPECTIVE

DRAMATIC PRICE INCREASE OF ENERGY AND COMMODITY PRICES

AND YET...



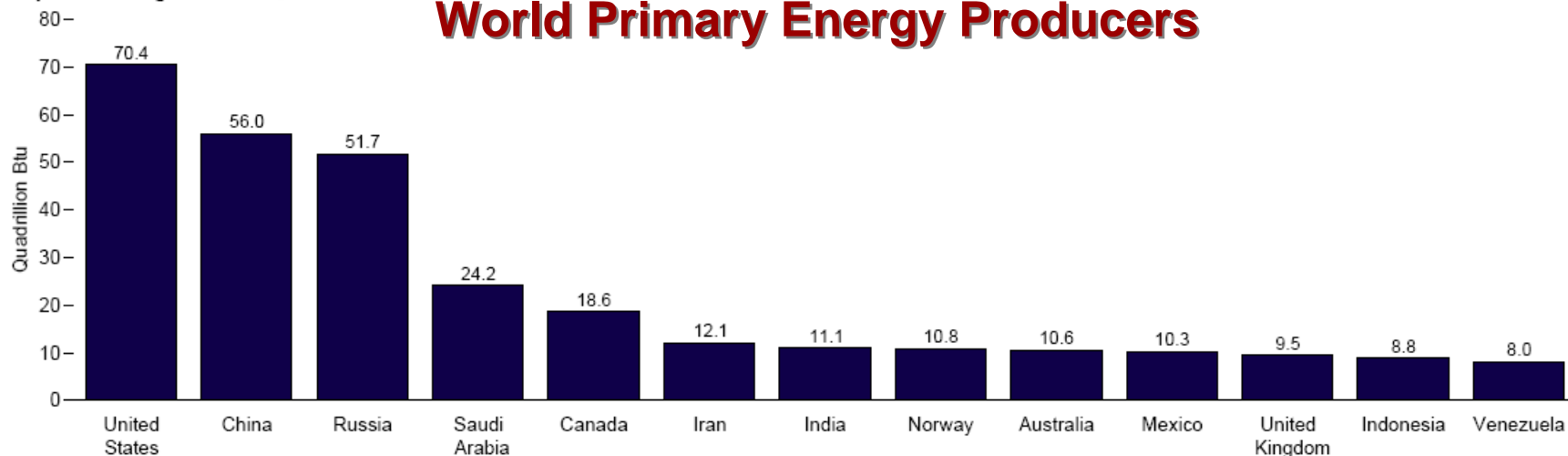


Country	Population million	Consump/Capita b/capita/yr	Average Consump mmb/day
WORLD	6,581	4.15	75
USA	301	25.1	20.7
CHINA	1,316	1,77	6.4
		12	43



World Primary Energy Producers

Top Producing Countries, 2004



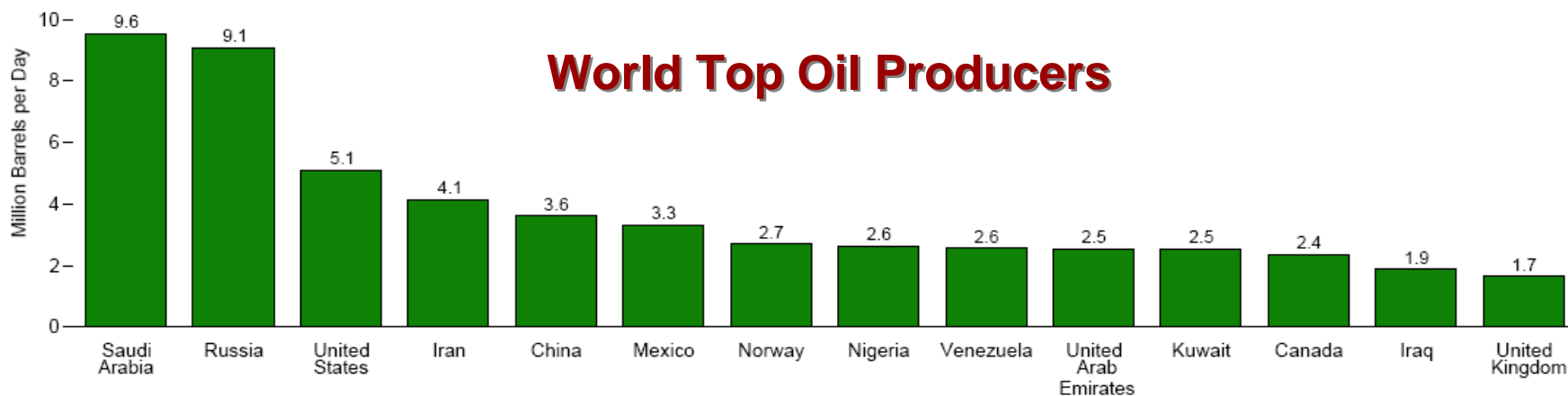
¹ Includes only countries that were part of the former U.S.S.R. See "U.S.S.R." in Glossary.

² Excludes countries that were part of the former U.S.S.R. See "U.S.S.R." in Glossary.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 11.2.

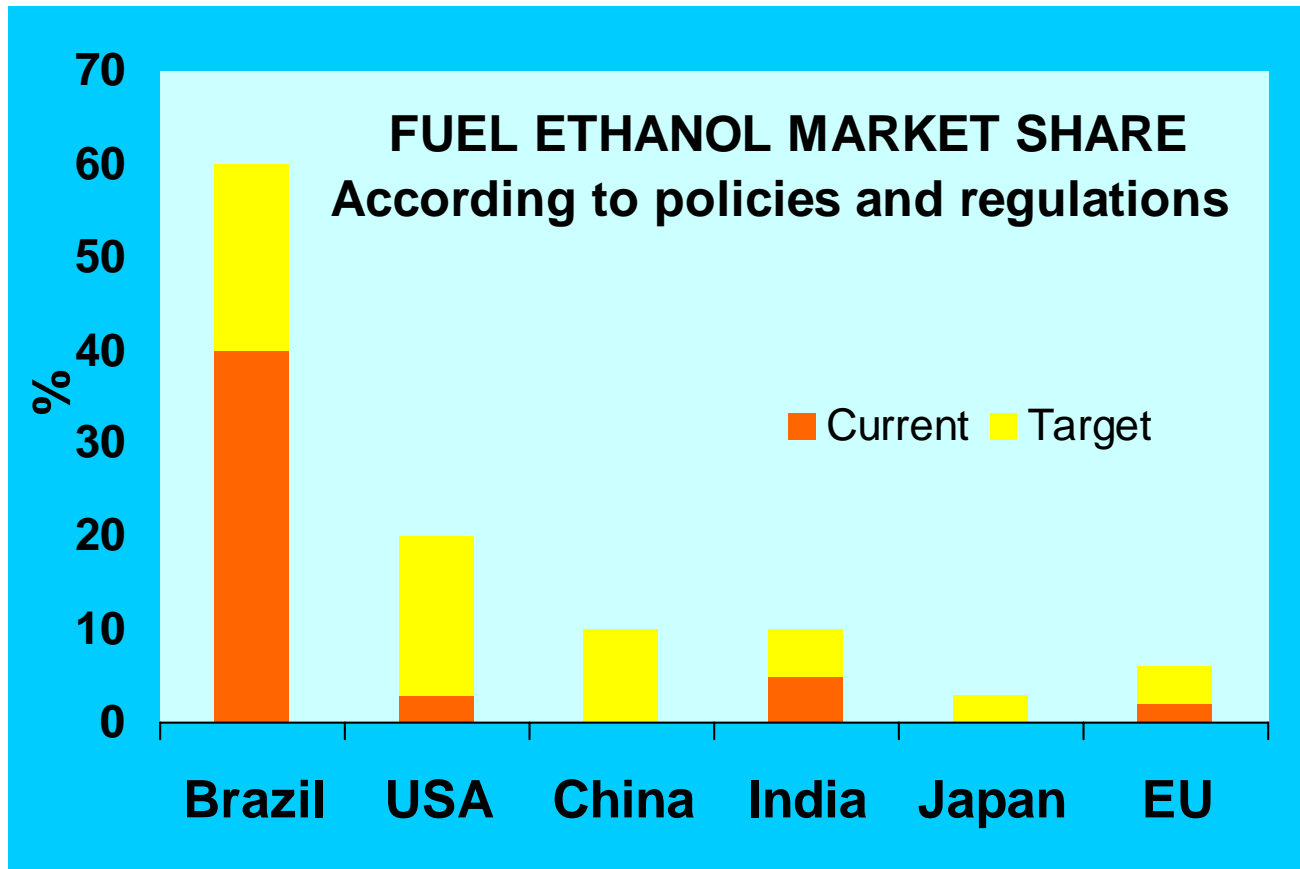
World Top Oil Producers



Notes: • OPEC=Organization of the Petroleum Exporting Countries. • Because vertical scales differ, graphs should not be compared.

Source: Table 11.5.

ETHANOL: INCREASINGLY SIGNIFICANT PART OF THE ENERGY SUPPLY MIX



LARGEST ETHANOL PRODUCERS:
USA – 375 kd/day (jan07)
BRAZIL – 275 kb/day (06)



THE BRIC ECONOMIES:

- Projected strong growths – 4% for Brazil, 10% for China (2.1% for G7)
- Energy Exporters: Brazil and Russia
- Energy Importers: China and India
- Internal Markets Growth
- Educated workforce
- Lots of products moving from & to BRIC countries